

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	nAPP2123851435
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Enduring Resources, LLC	OGRID: 372286
Contact Name: Chad Snell	Contact Telephone: 505-444-0586
Contact email: csnell@enduringresources.com	Incident # (assigned by OCD) nAPP2123851435
Contact mailing address: 200 Energy Court	Farmington, New Mexico 87401

Location of Release Source

Latitude 36.1577712 Longitude -107.39186
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Jicarilla 103H	Site Type: Well Site
Date Release Discovered: 8/23/2021	API# (if applicable): 30-043-21202

Unit Letter	Section	Township	Range	County
D	8	22N	5W	Sandoval

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 14.025	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

A lease operator discovered a leak in a flow line at the Jicarilla #103H on 8/23/2021. A total of 14.025 bbls of produced water was calculated using a spill calculation tool based on the area and width of contaminated soil.

Was this a major release as defined by 19.15.29.7(A) NMAC?

☐ Yes ☒ 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: **Chad Snell** Title: **HSE**

Signature: _____ Date: 9/1/2021

email: **csnell@enduringresources.com** Telephone: **505-444-0586**

OCD Only

Received by: Ramona Marcus Date: 9/1/2021

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	148 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

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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	nAPP2123851498
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.*

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

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Printed Name: Chad Snell

Title: HSE Tech

Signature: 

Date: 11/19/2021

email: csnell@enduringresources.com

Telephone: (505) 444-0586

OCD Only

Received by: _____ Date: _____

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

Signature: _____

Date: _____

Incident ID	nAPP2123851498
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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: Nelson Velez Date: 01/07/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

the DEPTH OF SPILL and use arrow keys to move

2. Use arrow key to move cursor to the right, stop below Length and enter LENGTH OF SPILL then cursor right to Width.
3. Now enter the WIDTH OF THE SPILL, then cursor right to Effective Porosity.
4. Now enter the EFFECTIVE POROSITY using the "Soil Type/Effective Porosity Table" (only enter if using the RESIDUAL METHOD), then cursor right to see Total Amount Spilled.
5. Equals the Total Amount Spilled in BARRELS.

>>>>>>>For circular spills press PG DN key once & CHEMICAL SPILLS PG DN twice<<<<<<<<<<<<<<<<<<

DEPTH (inches)	LENGTH (feet)	WIDTH (feet)	Effective Porosity	BARRELS (bbls.)	Thickness (feet)
MIST METHOD					
Lt. Mist			NA	0.00000	0.000008
Med. Mist			NA	0.00000	0.00008
Hvy. Mist	0	0	NA	0.00000	0.00083
RESIDUAL METHOD (Length X Width X Avg. Depth X Eff. Porosity divided by 5.6146)					
skim				0.00000	0.002604
1/16				0.00000	0.005208
1/8				0.00000	0.010417
1/4				0.00000	0.020803
1/2				0.00000	0.041667
3/4				0.00000	0.062
1				0.00000	0.083333
2				0.00000	0.166666
3				0.00000	0.25
4				0.00000	0.333333
5				0.00000	0.416666
6				0.00000	0.5
7				0.00000	0.583333
8				0.00000	0.666666
9				0.00000	0.75
10				0.00000	0.833333
11				0.00000	0.916666
12	35	15	0.15	14.02593	1

Soil Type / Effective Porosity

0.25 Gravel - 25% Porosity

0.2 Sand - 20% Porosity

0.15 Clay/Silt/Sand Mix - 15%

0.05 Clay - 5% Porosity

0.03 Caliche - 3%

0.25 Unknown - 25%

*For spills greater than one foot of depth use 12 inches as your depth then multiply the amount of barrels by the number feet of

District I
1625 N. French Dr., Hobbs, NM 88240
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 45891

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 45891
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
marcus	None	9/1/2021

Remediation Narrative

Jicarilla 103H

8/23/2021

A release was discovered at the Jicarilla 103H well site. A total of 14.025bbls of produced water released from a corrosion hole that formed in the produced water dump line from the separator to the onsite tank. The volume of the release was calculated by using a spill calculation tool using the dimensions and soil type of impacted area.

8/24/2021

Clean-up activities began excavating impacted areas that were not under production equipment and that would not cause a full site shut down.

9/15/2021

Soil boring samples were taken to delineate areas under production equipment. Three soil borings were taken and a sample was taken at 0-6", 18" and 42" on all three bore holes. "S1" at 0-6" results showed high chlorides in the top 4 feet of soil and would need another soil boring to fully delineate impacted area. See attached "Soil Boring Map" and "Soil Boring Results Table" for reference.

9/23/2021

Samples were collected in the excavation area and sent in for analysis of BTEX, TPH and Chlorides. Another soil bore sample was also taken in place of "S1" at 0-6". This sample would be named "S4". See attached "Sample Map" and "Boring Map" for reference.

10/14/2021

Further excavation was completed on "North Wall" "West Wall" and "East Wall" of the excavation due to high chloride levels from the sampling event on 9/23/2021. Sample activities were also completed sampling the sections mentioned above. Two more soil borings were also sampled at this time "S5" and "S6".

10/18/2021

Two more borings were completed and samples taken at 0-6", 24" and 48" from surface and sent in for lab analysis. Returned results of these samples "S7", "S7 24", "S7 48", "S8", "S8 24" and "S8 48" delineated the area under production equipment and will be deferred until the time of P&A of the site. The area of deferral is a 47' L x 34'W x 18"D area. An estimated 89 yards will need to be removed at the

time of P&A of the site. See attached "Area of Deferral Map" and "Soil Boring Results Table" for reference.

10/22/2021

Further excavation on the "East Wall" was completed and sampling activities of the "East Wall" was completed and sent in for lab analysis. Returned results of the "East Wall" were below Table 1 standards in the top four feet of soil. Remediation on areas that would be remediated without a site shutdown have been completed and remediated to Table one standards based on groundwater greater than 100ft from surface. Groundwater was based on a nearby location that had a test hole drilled to a depth of 78ft below surface, with a log showing damp soil at 72ft from surface. The elevation of the nearby location is 6,894ft and the elevation at the location of release is 6,970ft proving groundwater is 148ft from the surface of the release. No further action is required at this time.



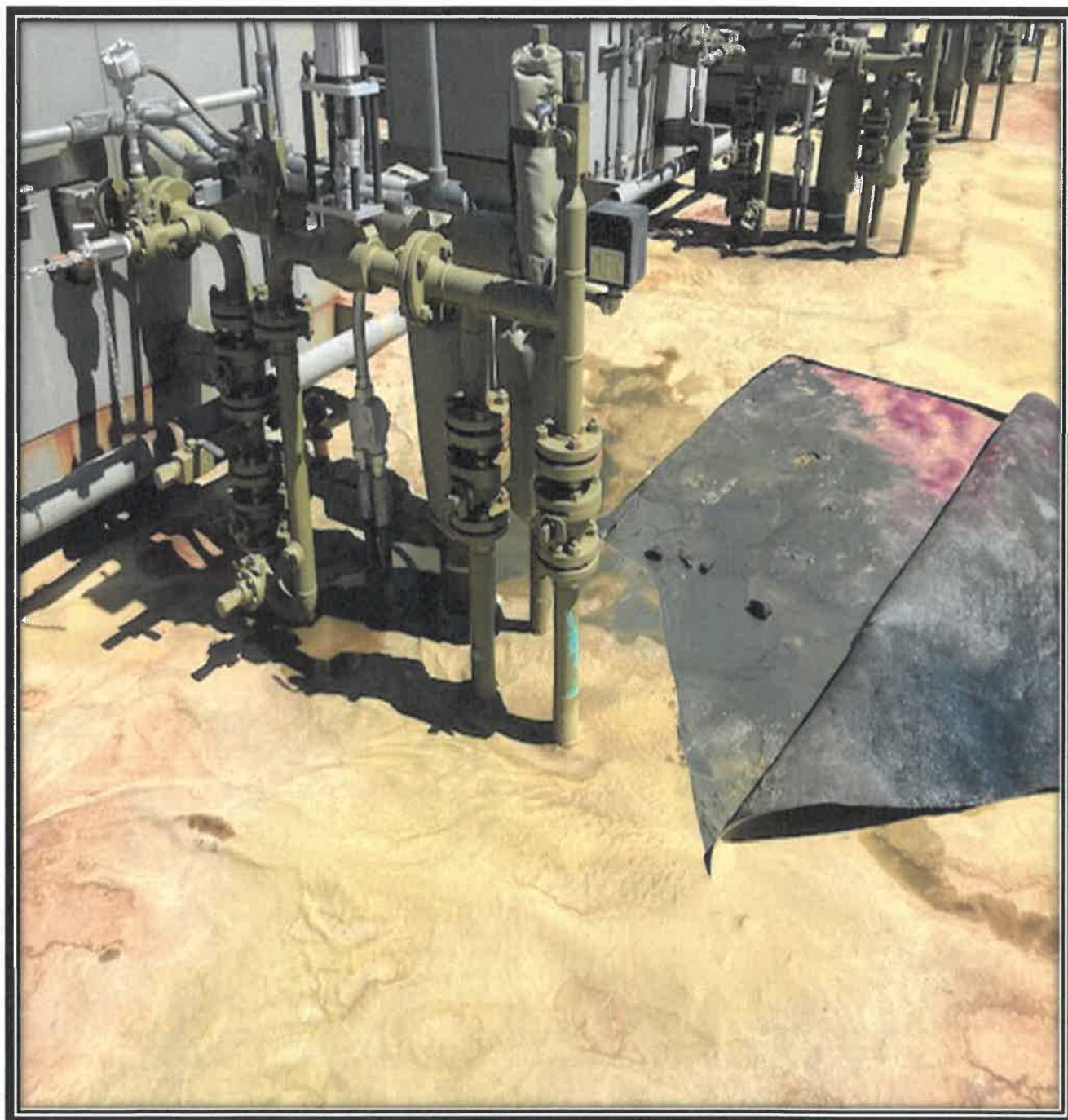
Enduring Resources, LLC
Photo Page
Jicarilla 103H Release



Jicarilla 103H dump line leak 8/25/2021



Enduring Resources, LLC
Photo Page
Jicarilla 103H Release



Jicarilla 103H Dump line leak isolated and flow redirected.



Enduring Resources, LLC
Photo Page
Jicarilla 103H Release



Internal corrosion leak in a two inch tee, part of the water dump line.



Enduring Resources, LLC
Photo Page
Jicarilla 103H Release



Jicarilla #103H water dump line leak.



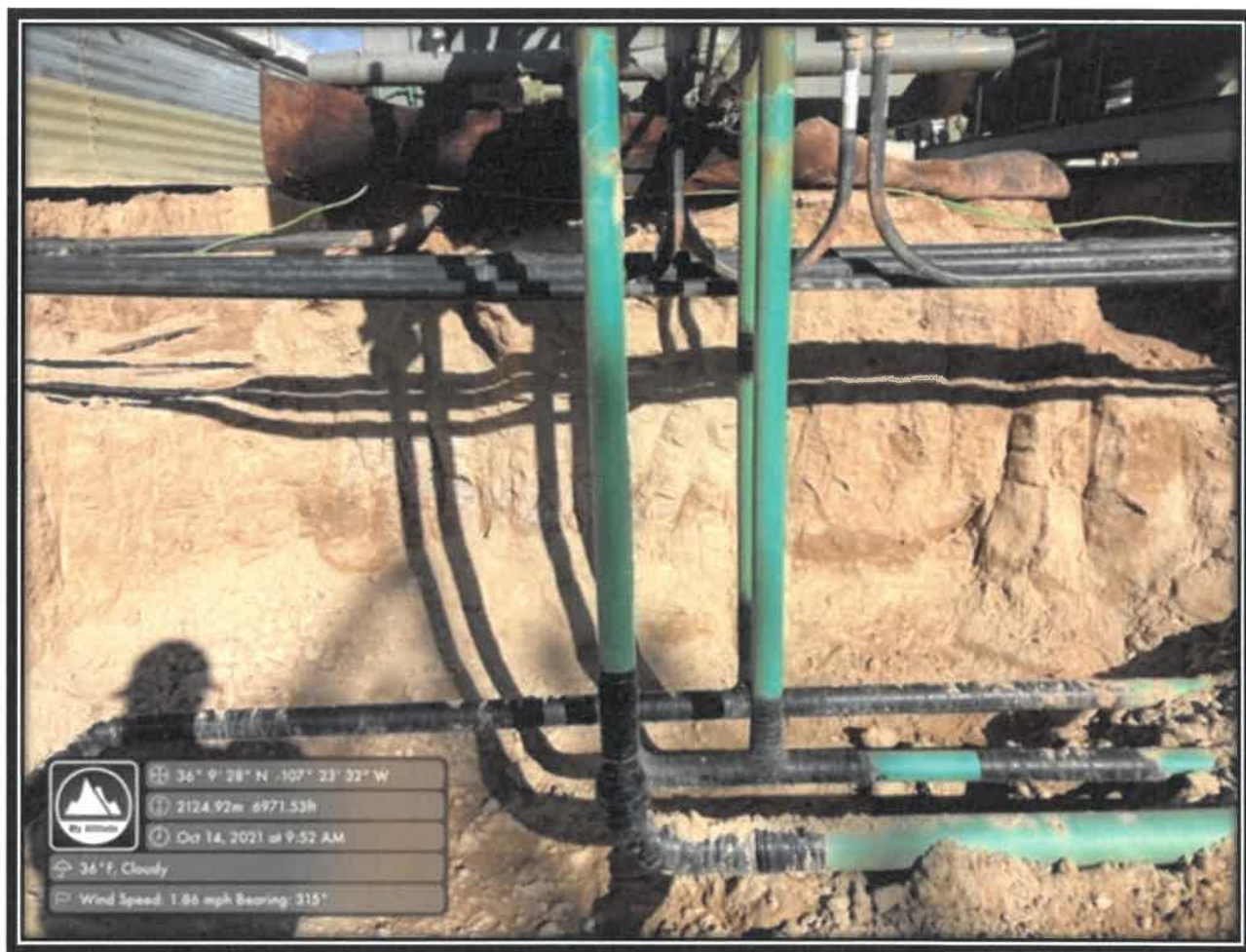
Enduring Resources, LLC
Photo Page
Jicarilla 103H Release



North Wall



Enduring Resources, LLC
Photo Page
Jicarilla 103H Release



West Wall



Enduring Resources, LLC
Photo Page
Jicarilla 103H Release



East Wall



Enduring Resources, LLC
Photo Page
Jicarilla 103H Release



East Wall

Chad Snell

From: Chad Snell
Sent: Wednesday, October 20, 2021 8:36 AM
To: ocd.enviro@state.nm.us
Cc: Heather Huntington; Tim Friesenhahn; Jim Mars
Subject: RE: Closure Sampling Jicarilla 103H

Good Morning,

The "East Wall" had chlorides that were above standards. Excavation has been completed and closure samples for this section will take place on Friday October 22nd 2021 at 9:30am.

Thanks

From: Chad Snell
Sent: Tuesday, October 12, 2021 8:41 AM
To: ocd.enviro@state.nm.us
Cc: Heather Huntington <Hhuntington@enduringresources.com>; Tim Friesenhahn <TFriesenhahn@enduringresources.com>; Jim Mars <JMars@enduringresources.com>
Subject: RE: Closure Sampling Jicarilla 103H

Good Morning,

Closure samples will take place Thursday October 14th 2021 beginning at 9:30am. Samples from the last sampling event had chlorides above closure standards and needed further excavation, which has been completed. Please let us know if you have any questions.

Thanks.

From: Chad Snell
Sent: Tuesday, September 21, 2021 8:08 AM
To: ocd.enviro@state.nm.us
Cc: Heather Huntington <Hhuntington@enduringresources.com>; Tim Friesenhahn <TFriesenhahn@enduringresources.com>; Jim Mars <JMars@enduringresources.com>
Subject: Closure Sampling Jicarilla 103H

Good Morning,

Enduring will be performing sampling activities at the Jicarilla 103H (API: 30-043-21202, Sec: 8, TWN: 22N, Rge: 5W, Incident # nAPP2123851435). Closure sampling will begin on Thursday September 23, 2021 at 11:30am.

Thanks.

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

Table I Analytical Results - Jicarilla 103H

Sample Name	Description	Date	DRO	GRO	ORO	Total TPH	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Chlorides	Square Footage
STANDARD	Top 4'	NA	NA ppm	NA ppm	NA ppm	1000 ppm	10 ppm	NA ppm	NA ppm	NA ppm	50 ppm	600 ppm	200 sq. ft
West Wall	Yes	9/23/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	15400	64
South Wall	Yes	9/23/2021	< 25	<20.0	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	351	100
West Bottom	No	9/23/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	0.0816	< 0.1	1570	200
East Wall	Yes	9/23/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	2500	64
North Wall	Yes	9/23/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	1380	100
East Bottom	No	9/23/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	245	200
North Wall	Yes	10/14/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	263	120
East Wall	Yes	10/14/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	829	68
West Wall	Yes	10/14/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	2290	68
East Wall	Yes	10/22/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	<20	68

Table I Analytical Results - Jicarilla 103H: Soil Borings

Sample Name	Description	Date	DRO	GRO	ORO	Total TPH	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Chlorides	Square Footage
STANDARD	Top 4'	NA	NA ppm	NA ppm	NA ppm	100 ppm	10 ppm	NA ppm	NA ppm	NA ppm	50 ppm	600 ppm	200 sq. ft
S1	0-6"	9/15/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	1440	
S1-18	18"	9/15/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	252	
S1-42	42"	9/15/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.3	
S2	0-6"	9/15/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	<20	
S2-18	18"	9/15/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	327	
S2 -42	42"	9/15/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	<20	
S3	0-6"	9/15/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	126	
S3-18	18"	9/15/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.2	
S3-33	33"	9/15/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.6	
S4	0-6"	9/23/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	1200	
S5	0-6"	10/14/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	1990	
S6	0-6"	10/14/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	2190	
S 7	0-6"	10/18/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	76.5	
S 24	24"	10/18/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	27.4	
S7 48	48"	10/18/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	51.5	
S8 48	48"	10/18/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	<20	
S8 24	24"	10/18/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	<20	
S8	0-6"	10/18/2021	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	<20	









MO-TE DRILLING, INC.

DAY: SAT

DRILLER: Josh
HELPER: Brandon
LEFT TOWN: ARRIVED FIELD
LEFT FIELD: ARRIVED TOWN
HELPER: TOTAL FOOTAGE TODAY:

RIG NO: 208 DATE: 9-7-13 CLIENT: Logos op LLC

BEGIN WORK ON HOLE NO: Logos #7 Test Hole AT FEET

BEGIN WORK ON HOLE NO: AT FEET

TIME	FROM	TO	ACTIVITY
7:30	9:00		Move R. & Rig up
9:00	9:10		DR. 11 6 1/2" Hole 0-40' TDH
9:10	10:10		Stand by.
10:10	10:15		Check for water - NO WATER
10:15	10:31		T.H. DR. 11 6 1/2" Hole 40-65' TDH
10:31	11:31		Stand by.
11:31	11:36		Check for water - NO WATER
11:36	12:04		T.H. DR. 11 6 1/2" Hole 65-115'
12:04	12:54		Clean hole TDH
12:54	1:54		Stand by.
1:54	2:00		Check for water - WATER @ 113'

BIT RECORD		
SIZE & MAKE	SERIAL NO.	FOOTAGE
CIRCULATION MATERIAL		
QUAN.	UNIT	MATERIAL

NO. OF LOADS OF WATER: SOURCE:

MO-TE DRILLING, INC.

DAY: SAT

DRILLER: Josh
HELPER: Brandon
LEFT TOWN: ARRIVED FIELD
LEFT FIELD: ARRIVED TOWN
HELPER: TOTAL FOOTAGE TODAY:

RIG NO: 208 DATE: 9-7-13 CLIENT: Logos op LLC

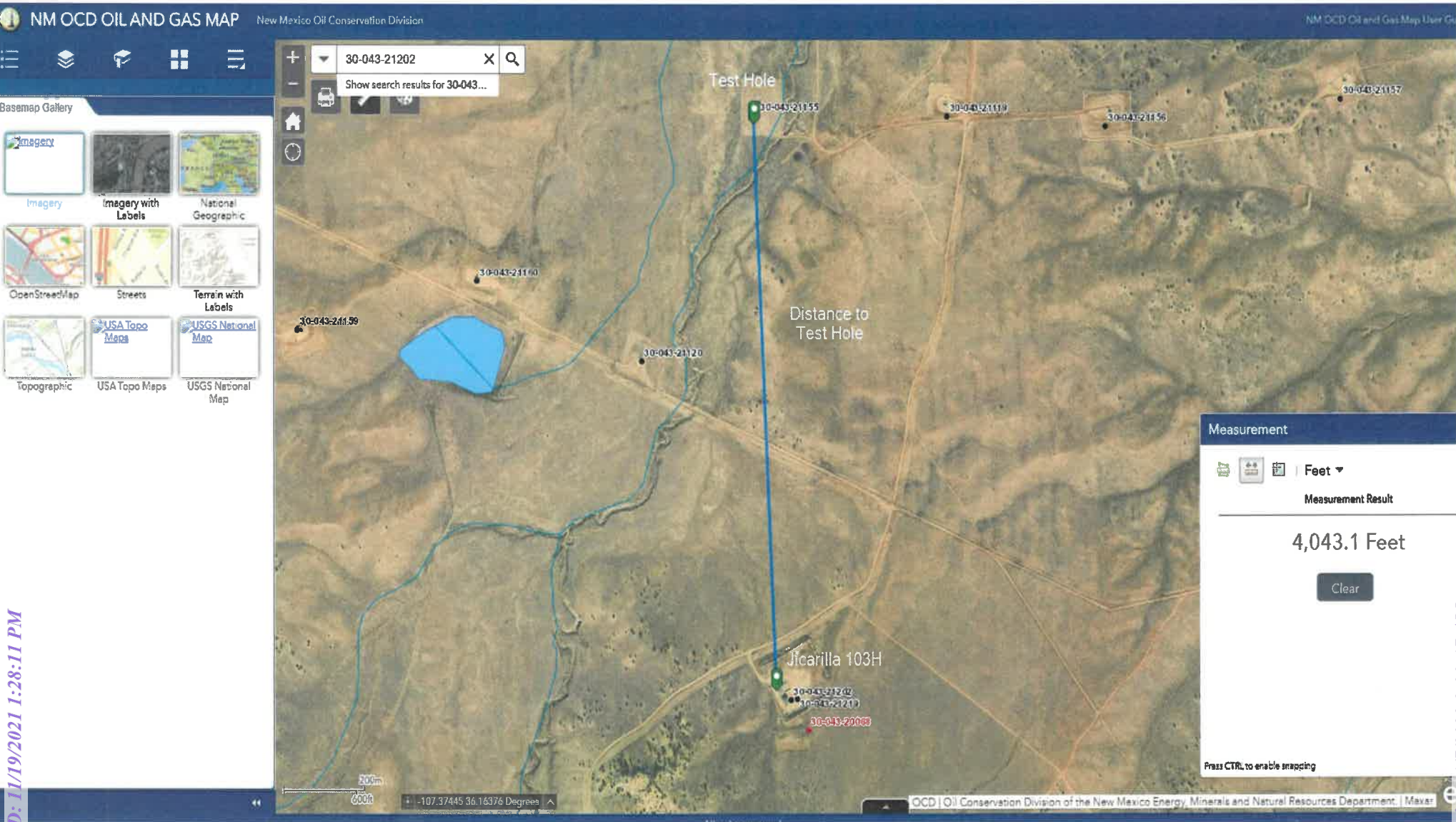
BEGIN WORK ON HOLE NO: Logos #7 Test Hole AT FEET

BEGIN WORK ON HOLE NO: AT FEET

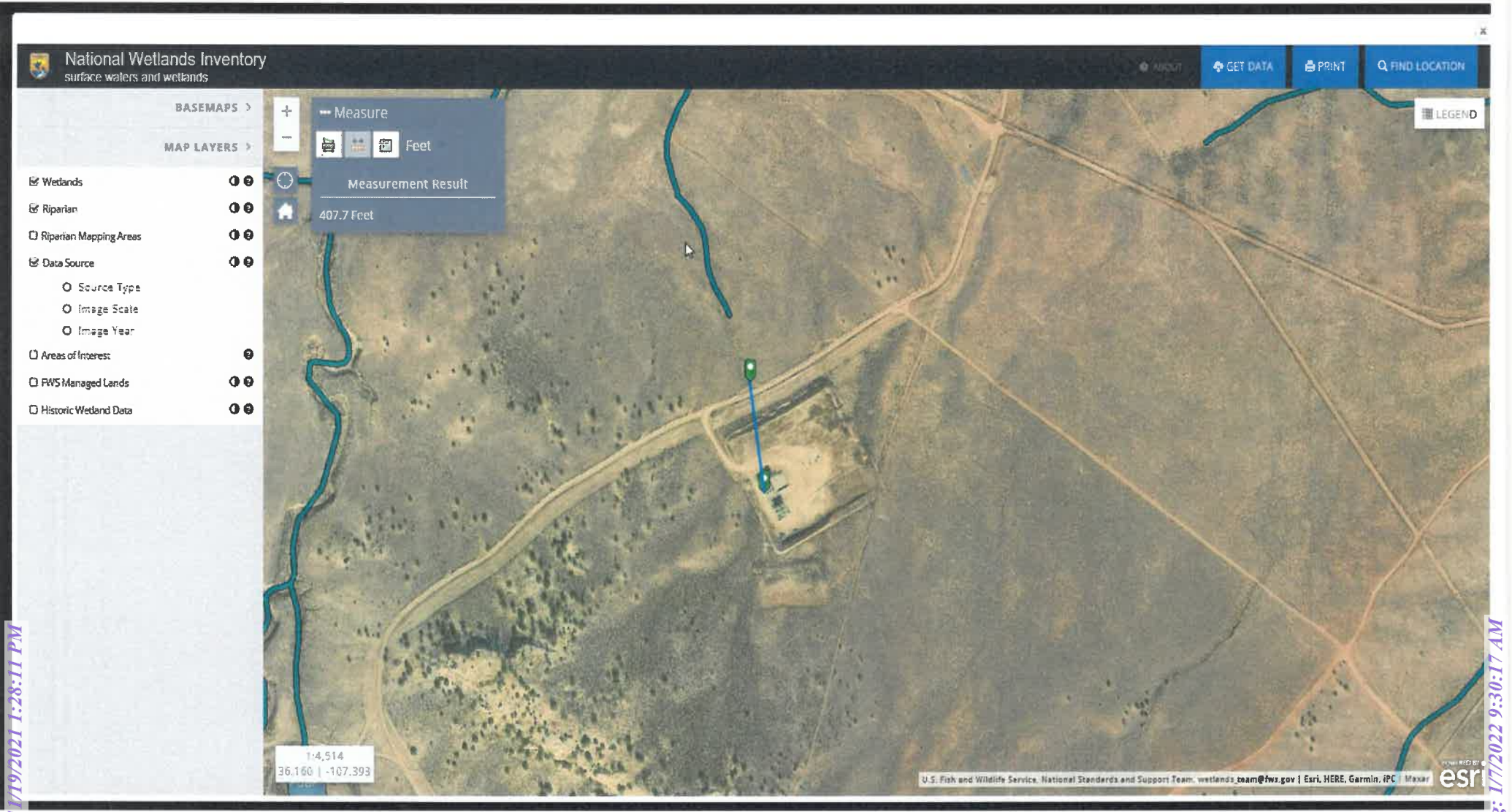
TIME	FROM	TO	ACTIVITY
0'	35'		Loose Dry Sand
35'	40'		Soft Dry sandstone
40'	45'		Soft Dry sandstone
45'	47'		Shale (Grey)
47'	65'		Soft Dry sandstone
65'	72'		Soft Dry sandstone
72'	78'		DAMP SANDSTONE
78'	115'		Shale (Grey) Dry

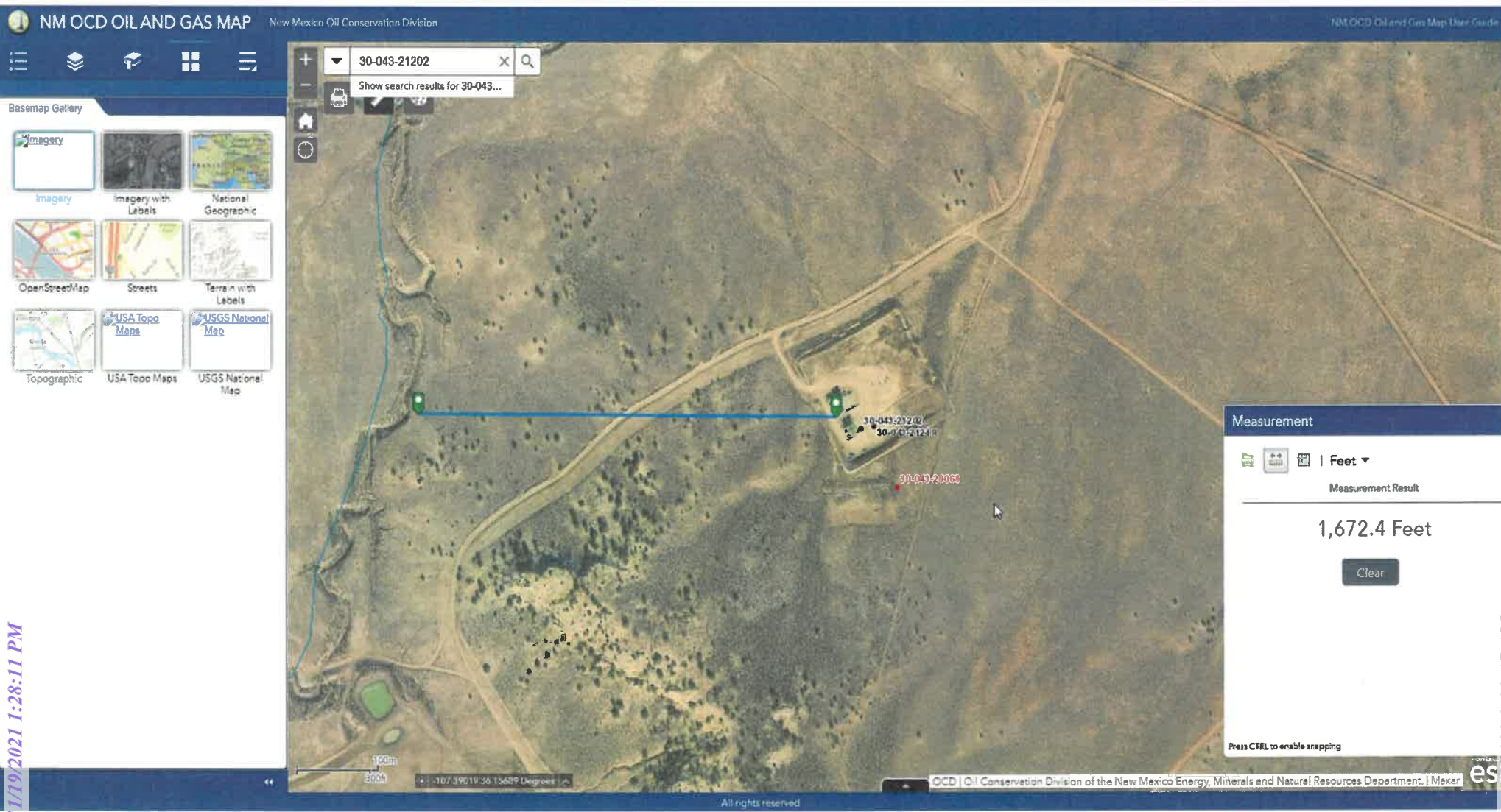
BIT RECORD		
SIZE & MAKE	SERIAL NO.	FOOTAGE
CIRCULATION MATERIAL		
QUAN.	UNIT	MATERIAL

NO. OF LOADS OF WATER: SOURCE:





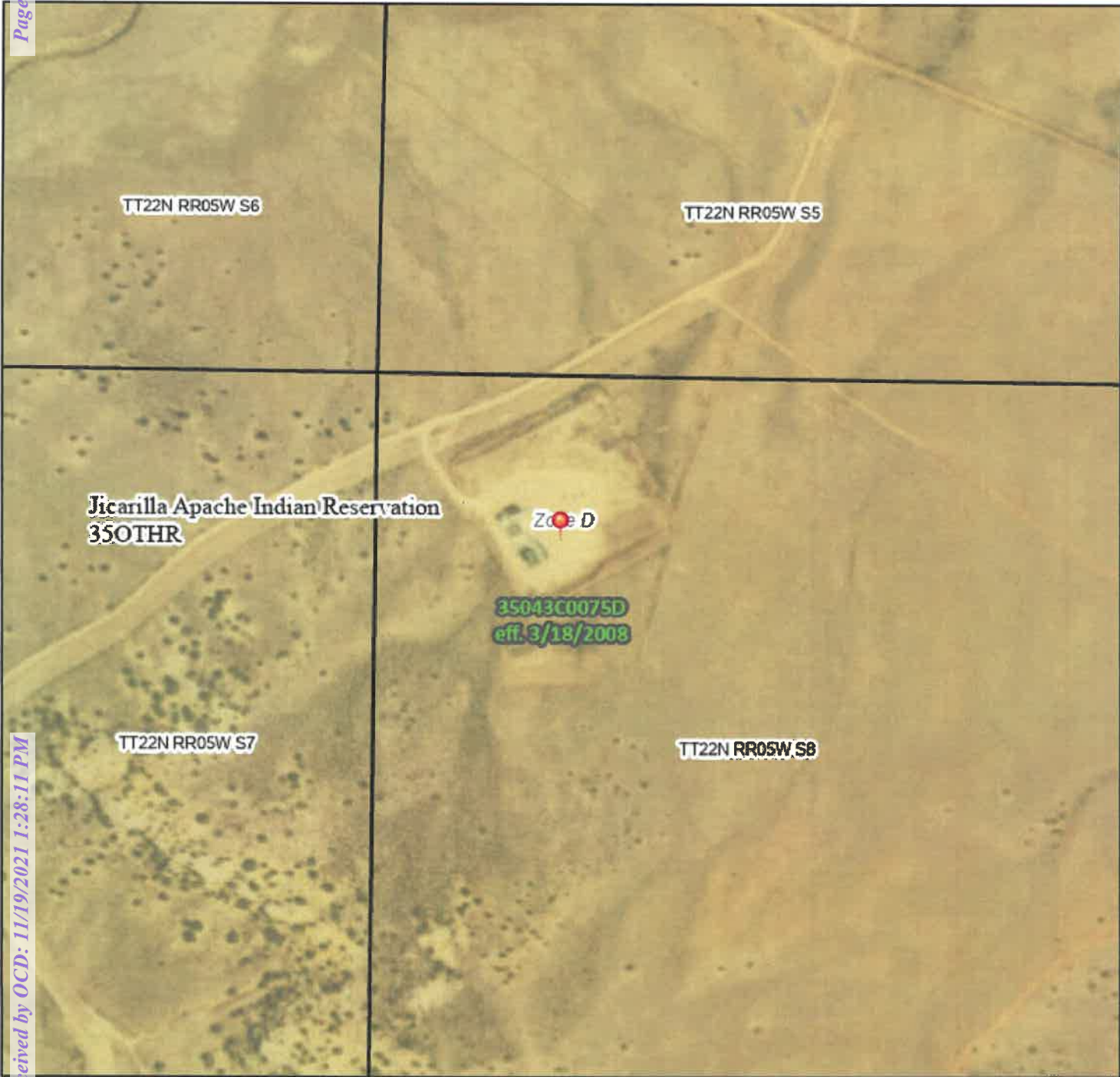




Page 2 of 114
Received by OCD: 11/19/2021 1:28:11 PM

National Flood Hazard Layer FIRMette

107°23'49"W 36°9'43"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

107°23'12"W 36°9'13"N

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		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 (Zone I)
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.
		Digital Data Available
		No Digital Data Available
		Unmapped

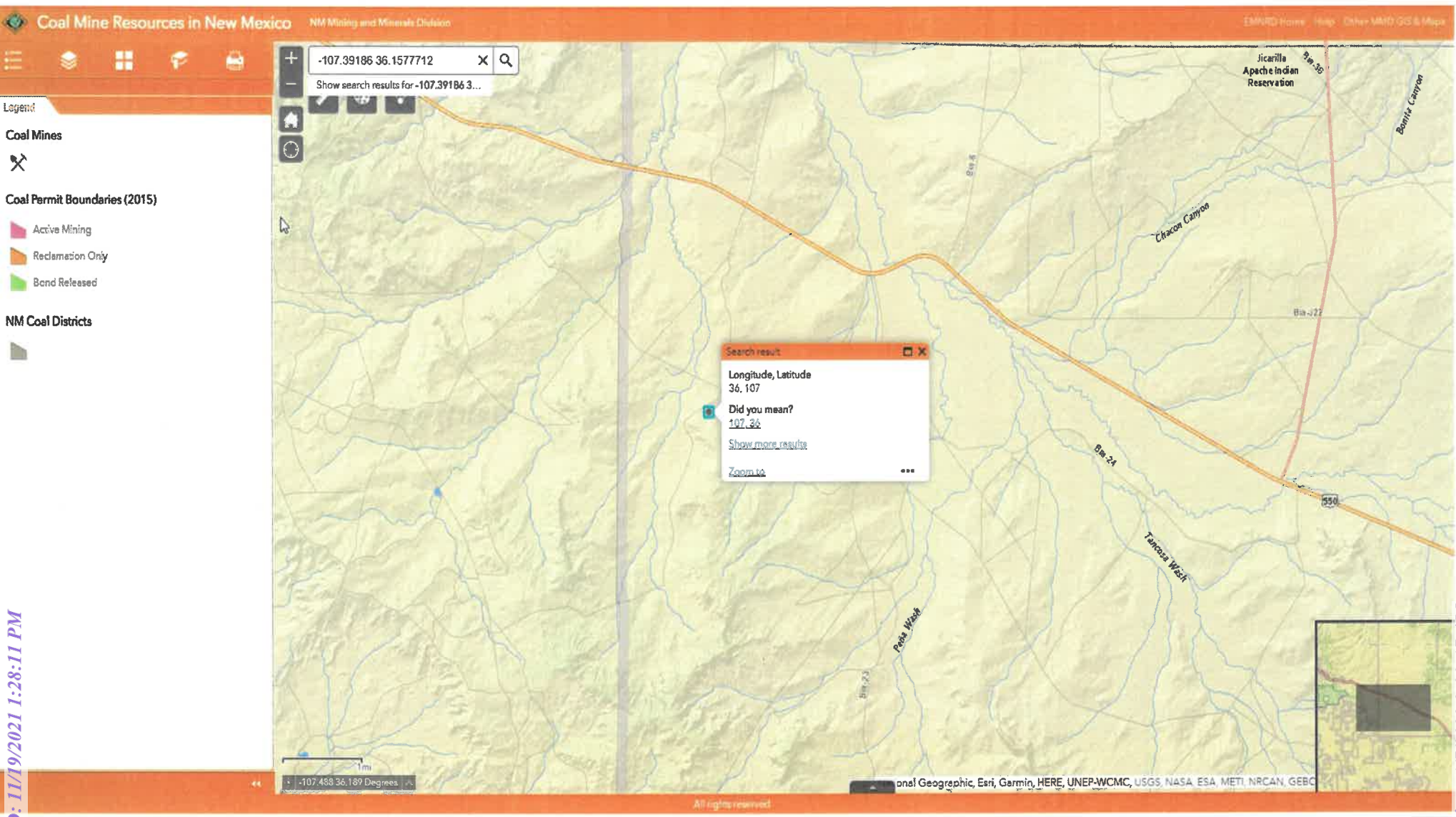


This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/12/2021 at 10:52 AM** 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.

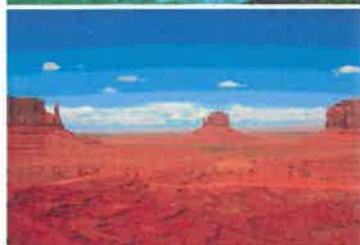
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

Released to Imaging: 1/7/2022 9:30:17 AM



Report to:

Chad Snell



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Enduring Resources, LLC

Project Name: Jicarilla #103H

Work Order: E109049

Job Number: 17065-0017

Received: 9/15/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director

9/16/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted 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 NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 9/16/21

Chad Snell
6300 S Syracuse Way Suite 525
Centennial, CO 80111



Project Name: Jicarilla #103H
Workorder: E109049
Date Received: 9/15/2021 4:46:00PM

Chad Snell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/15/2021 4:46:00PM, under the Project Name: Jicarilla #103H.

The analytical test results summarized in this report with the Project Name: Jicarilla #103H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Tom Brown
Technical Representative
Cell: 832-444-7704
tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 09/16/21 12:47
--	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1	E109049-01A	Soil	09/15/21	09/15/21	Glass Jar, 4 oz.
S1-18	E109049-02A	Soil	09/15/21	09/15/21	Glass Jar, 4 oz.
S1-42	E109049-03A	Soil	09/15/21	09/15/21	Glass Jar, 4 oz.
S2	E109049-04A	Soil	09/15/21	09/15/21	Glass Jar, 4 oz.
S2-18	E109049-05A	Soil	09/15/21	09/15/21	Glass Jar, 4 oz.
S2-42	E109049-06A	Soil	09/15/21	09/15/21	Glass Jar, 4 oz.
S3	E109049-07A	Soil	09/15/21	09/15/21	Glass Jar, 4 oz.
S3-18	E109049-08A	Soil	09/15/21	09/15/21	Glass Jar, 4 oz.
S3-33	E109049-09A	Soil	09/15/21	09/15/21	Glass Jar, 4 oz.



Sample Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 9/16/2021 12:47:15PM
--	--	-----------------------------------

S1**E109049-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2138034
Chloride	1440	20.0	1	09/16/21	09/16/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/16/2021 12:47:15PM

S1-18**E109049-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2138034
Chloride	252	20.0	1	09/16/21	09/16/21	



Sample Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 9/16/2021 12:47:15PM
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S1-42**E109049-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2138034
Chloride	49.3	20.0	1	09/16/21	09/16/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/16/2021 12:47:15PM

S2**E109049-04**

Analyte	Reporting		Dilution	Prepared	Analyzed	Notes
	Result	Limit				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2138034
Chloride	ND	20.0	1	09/16/21	09/16/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/16/2021 12:47:15PM

S2-18**E109049-05**

Analyte	Result	Reporting	Dilution	Prepared	Analyzed	Notes
		Limit				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2138034
Chloride	327	20.0	1	09/16/21	09/16/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/16/2021 12:47:15PM

S2-42**E109049-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2138034	
Chloride	ND	20.0	1	09/16/21	09/16/21	



Sample Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 9/16/2021 12:47:15PM
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S3**E109049-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2138034
Chloride	126	20.0	1	09/16/21	09/16/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/16/2021 12:47:15PM

S3-18**E109049-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2138034	
Chloride	24.2	20.0	1	09/16/21	09/16/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/16/2021 12:47:15PM

S3-33**E109049-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2138034	
Chloride	25.6	20.0	1	09/16/21	09/16/21	



QC Summary Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 9/16/2021 12:47:15PM
--	--	-----------------------------------

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2138034-BLK1)

Prepared: 09/16/21 Analyzed: 09/16/21

Chloride ND 20.0

LCS (2138034-BS1)

Prepared: 09/16/21 Analyzed: 09/16/21

Chloride 235 20.0 250 94.0 90-110

Matrix Spike (2138034-MS1)

Source: E109049-01

Prepared: 09/16/21 Analyzed: 09/16/21

Chloride 1640 20.0 250 1440 77.3 80-120 M2

Matrix Spike Dup (2138034-MSD1)

Source: E109049-01

Prepared: 09/16/21 Analyzed: 09/16/21

Chloride 1800 20.0 250 1440 143 80-120 9.52 20 M2

QC Summary Report Comment:

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



Definitions and Notes

Enduring Resources, LLC	Project Name:	Jicarilla #103H	
6300 S Syracuse Way Suite 525	Project Number:	17065-0017	Reported:
Centennial CO, 80111	Project Manager:	Chad Snell	09/16/21 12:47

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Page 1 of 1

Project Information

Chain of Custody

Client: <u>Enduring Resources</u> Project: <u>Ticariilla 103H</u> Project Manager: <u>Chad Snell</u> Address: <u>200 Energy Court</u> City, State, Zip: <u>Formington NM 87401</u> Phone: <u>505-444-0586</u> Email: <u>Csnell@EnduringResources.com</u> Report due by:					Bill To Attention: <u>Enduring</u> Address: City, State, Zip Phone: Email:					Lab Use Only Lab WO# <u>E109049</u> Job Number <u>17065-007</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
																RCRA State NM CO UT AZ TX				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0						Remarks			
13:20	9/15/21	S	1	S1	1						X									
13:30				S1-18	2						X									
13:35				S1-42	3						X									
13:45				S2	4						X									
14:00				S2-18	5						X									
14:10				S2-42	6						X									
14:12				S3	7						X									
14:15				S3-18	8						X									
14:20				S3-33	9						X									
Additional Instructions:																				
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.																				
Relinquished by: (Signature) <u>Jim Marx</u> Date <u>9/15/21</u> Time <u>16:42</u>						Received by: (Signature) <u>[Signature]</u> Date <u>9/15/21</u> Time <u>16:40</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature) _____ Date _____ Time _____						Received by: (Signature) _____ Date _____ Time _____						Lab Use Only Received on Ice: <u>Y</u> / <u>N</u>								
Relinquished by: (Signature) _____ Date _____ Time _____						Received by: (Signature) _____ Date _____ Time _____						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.																				



Project Information

Chain of Custody

Page 1 of 1

Client: <u>Enduring Resources</u> Project: <u>Ticariilla 103H</u> Project Manager: <u>Chad Snell</u> Address: <u>200 Energy Court</u> City, State, Zip: <u>Formington NM 87401</u> Phone: <u>505-444-0586</u> Email: <u>Csnell@EnduringResources.com</u> Report due by:					Bill To Attention: <u>Enduring</u> Address: City, State, Zip Phone: Email:					Lab Use Only Lab WO# <u>E109049</u> Job Number <u>17065-007</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
																RCRA State NM CO UT AZ TX				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0						Remarks			
13:20	9/15/21	S	1	S1	1						X									
13:30				S1-18	2						X									
13:35				S1-42	3						X									
13:45				S2	4						X									
14:00				S2-18	5						X									
14:10				S2-42	6						X									
14:12				S3	7						X									
14:15				S3-18	8						X									
14:20				S3-33	9						X									
Additional Instructions:																				
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.																				
Relinquished by: (Signature) <u>Jim Marx</u> Date <u>9/15/21</u> Time <u>16:42</u>						Received by: (Signature) <u>[Signature]</u> Date <u>9/15/21</u> Time <u>16:40</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature) _____ Date _____ Time _____						Received by: (Signature) _____ Date _____ Time _____						Lab Use Only Received on Ice: <u>Y</u> / <u>N</u>								
Relinquished by: (Signature) _____ Date _____ Time _____						Received by: (Signature) _____ Date _____ Time _____						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.																				



Envirotech Analytical Laboratory

Printed: 9/15/2021 4:51:25PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Enduring Resources, LLC
 Phone: (303) 573-1222
 Email: csnell@EnduringResources.com

Date Received: 09/15/21 16:46
 Date Logged In: 09/15/21 16:46
 Due Date: 09/16/21 17:00 (1 day TAT)

Work Order ID: E109049
 Logged In By: Alexa Michaels

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
 2. Does the number of samples per sampling site location match the COC? Yes
 3. Were samples dropped off by client or carrier? Yes
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
 5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold times are not included in this discussion.

Carrier: Jim MarsSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temperatures 4°C, i.e., 6±2°C
 Note: Thermal preservation is not required, if samples are received w/in 15 minutes of sampling Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 Sample ID? Yes
 Date/Time Collected? Yes
 Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

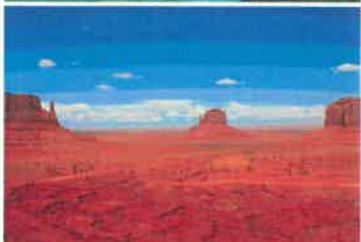
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Chad Snell



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Enduring Resources, LLC

Project Name: Jicarilla #103H

Work Order: E109088

Job Number: 17065-0017

Received: 9/23/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/27/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted 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 NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 9/27/21

Chad Snell
6300 S Syracuse Way Suite 525
Centennial, CO 80111



Project Name: Jicarilla #103H
Workorder: E109088
Date Received: 9/23/2021 1:32:00PM

Chad Snell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/23/2021 1:32:00PM, under the Project Name: Jicarilla #103H.

The analytical test results summarized in this report with the Project Name: Jicarilla #103H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 09/27/21 13:04
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
West Wall	E109088-01A	Soil	09/23/21	09/23/21	Glass Jar, 4 oz.
South Wall	E109088-02A	Soil	09/23/21	09/23/21	Glass Jar, 4 oz.
West Bottom	E109088-03A	Soil	09/23/21	09/23/21	Glass Jar, 4 oz.
East Wall	E109088-04A	Soil	09/23/21	09/23/21	Glass Jar, 4 oz.
S4	E109088-05A	Soil	09/23/21	09/23/21	Glass Jar, 4 oz.
North Wall	E109088-06A	Soil	09/23/21	09/23/21	Glass Jar, 4 oz.
East Bottom	E109088-07A	Soil	09/23/21	09/23/21	Glass Jar, 4 oz.



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/27/2021 1:04:08PM

West Wall

E109088-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Benzene	ND	0.0250	1	09/23/21	09/24/21	
Ethylbenzene	ND	0.0250	1	09/23/21	09/24/21	
Toluene	ND	0.0250	1	09/23/21	09/24/21	
o-Xylene	ND	0.0250	1	09/23/21	09/24/21	
p,m-Xylene	ND	0.0500	1	09/23/21	09/24/21	
Total Xylenes	ND	0.0250	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene	88.2 %	70-130		09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		09/23/21	09/24/21	
Surrogate: Toluene-d8	101 %	70-130		09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene	88.2 %	70-130		09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		09/23/21	09/24/21	
Surrogate: Toluene-d8	101 %	70-130		09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2139027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/21	09/24/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/21	09/24/21	
Surrogate: n-Nonane	121 %	50-200		09/23/21	09/24/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2139028
Chloride	15400	1000	50	09/23/21	09/23/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/27/2021 1:04:08PM

South Wall

E109088-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Benzene	ND	0.0250	1	09/23/21	09/24/21	
Ethylbenzene	ND	0.0250	1	09/23/21	09/24/21	
Toluene	ND	0.0250	1	09/23/21	09/24/21	
o-Xylene	ND	0.0250	1	09/23/21	09/24/21	
p,m-Xylene	ND	0.0500	1	09/23/21	09/24/21	
Total Xylenes	ND	0.0250	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene		88.3 %	70-130	09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/23/21	09/24/21	
Surrogate: Toluene-d8		100 %	70-130	09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene		88.3 %	70-130	09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/23/21	09/24/21	
Surrogate: Toluene-d8		100 %	70-130	09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2139027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/21	09/24/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/21	09/24/21	
Surrogate: n-Nonane		118 %	50-200	09/23/21	09/24/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2139028
Chloride	351	20.0	1	09/23/21	09/23/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/27/2021 1:04:08PM

West Bottom

E109088-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Benzene	ND	0.0250	1	09/23/21	09/24/21	
Ethylbenzene	ND	0.0250	1	09/23/21	09/24/21	
Toluene	ND	0.0250	1	09/23/21	09/24/21	
o-Xylene	ND	0.0250	1	09/23/21	09/24/21	
p,m-Xylene	ND	0.0500	1	09/23/21	09/24/21	
Total Xylenes	ND	0.0250	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene		90.2 %	70-130	09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/23/21	09/24/21	
Surrogate: Toluene-d8		100 %	70-130	09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene		90.2 %	70-130	09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	09/23/21	09/24/21	
Surrogate: Toluene-d8		100 %	70-130	09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2139027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/21	09/24/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/21	09/24/21	
Surrogate: n-Nonane		122 %	50-200	09/23/21	09/24/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2139028
Chloride	1570	40.0	2	09/23/21	09/23/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/27/2021 1:04:08PM

East Wall

E109088-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Benzene	ND	0.0250	1	09/23/21	09/24/21	
Ethylbenzene	ND	0.0250	1	09/23/21	09/24/21	
Toluene	ND	0.0250	1	09/23/21	09/24/21	
o-Xylene	ND	0.0250	1	09/23/21	09/24/21	
p,m-Xylene	ND	0.0500	1	09/23/21	09/24/21	
Total Xylenes	ND	0.0250	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene		88.6 %	70-130	09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	09/23/21	09/24/21	
Surrogate: Toluene-d8		99.6 %	70-130	09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene		88.6 %	70-130	09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	09/23/21	09/24/21	
Surrogate: Toluene-d8		99.6 %	70-130	09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2139027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/21	09/24/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/21	09/24/21	
Surrogate: n-Nonane		105 %	50-200	09/23/21	09/24/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2139028
Chloride	2500	40.0	2	09/23/21	09/23/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/27/2021 1:04:08PM

S4

E109088-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Benzene	ND	0.0250	1	09/23/21	09/24/21	
Ethylbenzene	ND	0.0250	1	09/23/21	09/24/21	
Toluene	ND	0.0250	1	09/23/21	09/24/21	
o-Xylene	ND	0.0250	1	09/23/21	09/24/21	
p,m-Xylene	ND	0.0500	1	09/23/21	09/24/21	
Total Xylenes	ND	0.0250	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene	89.7 %	70-130		09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		09/23/21	09/24/21	
Surrogate: Toluene-d8	99.0 %	70-130		09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene	89.7 %	70-130		09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		09/23/21	09/24/21	
Surrogate: Toluene-d8	99.0 %	70-130		09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2139027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/21	09/24/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/21	09/24/21	
Surrogate: n-Nonane	125 %	50-200		09/23/21	09/24/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2139028
Chloride	1200	20.0	1	09/23/21	09/23/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/27/2021 1:04:08PM

North Wall

E109088-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Benzene	ND	0.0250	1	09/23/21	09/24/21	
Ethylbenzene	ND	0.0250	1	09/23/21	09/24/21	
Toluene	ND	0.0250	1	09/23/21	09/24/21	
o-Xylene	ND	0.0250	1	09/23/21	09/24/21	
p,m-Xylene	ND	0.0500	1	09/23/21	09/24/21	
Total Xylenes	ND	0.0250	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene	87.8 %	70-130		09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		09/23/21	09/24/21	
Surrogate: Toluene-d8	100 %	70-130		09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene	87.8 %	70-130		09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		09/23/21	09/24/21	
Surrogate: Toluene-d8	100 %	70-130		09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2139027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/21	09/24/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/21	09/24/21	
Surrogate: n-Nonane	124 %	50-200		09/23/21	09/24/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2139028
Chloride	1380	20.0	1	09/23/21	09/23/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/27/2021 1:04:08PM

East Bottom

E109088-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Benzene	ND	0.0250	1	09/23/21	09/24/21	
Ethylbenzene	ND	0.0250	1	09/23/21	09/24/21	
Toluene	ND	0.0250	1	09/23/21	09/24/21	
o-Xylene	ND	0.0250	1	09/23/21	09/24/21	
p,m-Xylene	ND	0.0500	1	09/23/21	09/24/21	
Total Xylenes	ND	0.0250	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene	92.3 %	70-130		09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		09/23/21	09/24/21	
Surrogate: Toluene-d8	101 %	70-130		09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2139029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/21	09/24/21	
Surrogate: Bromofluorobenzene	92.3 %	70-130		09/23/21	09/24/21	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		09/23/21	09/24/21	
Surrogate: Toluene-d8	101 %	70-130		09/23/21	09/24/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2139027
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/21	09/24/21	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/21	09/24/21	
Surrogate: n-Nonane	122 %	50-200		09/23/21	09/24/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2139028
Chloride	245	20.0	1	09/23/21	09/24/21	



QC Summary Data

Enduring Resources, LLC	Project Name:	Jicarilla #103H	Reported:
6300 S Syracuse Way Suite 525	Project Number:	17065-0017	
Centennial CO, 80111	Project Manager:	Chad Snell	9/27/2021 1:04:08PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2139029-BLK1)

Prepared: 09/23/21 Analyzed: 09/23/21

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.456		0.500		91.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS (2139029-BS1)

Prepared: 09/23/21 Analyzed: 09/23/21

Benzene	2.36	0.0250	2.50		94.5	70-130			
Ethylbenzene	2.41	0.0250	2.50		96.4	70-130			
Toluene	2.42	0.0250	2.50		96.9	70-130			
o-Xylene	2.31	0.0250	2.50		92.4	70-130			
p,m-Xylene	4.77	0.0500	5.00		95.4	70-130			
Total Xylenes	7.08	0.0250	7.50		94.4	70-130			
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

Matrix Spike (2139029-MS1)

Source: E109086-01

Prepared: 09/23/21 Analyzed: 09/23/21

Benzene	2.33	0.0250	2.50	ND	93.3	48-131			
Ethylbenzene	2.32	0.0250	2.50	ND	92.8	45-135			
Toluene	2.35	0.0250	2.50	ND	94.2	48-130			
o-Xylene	2.27	0.0250	2.50	ND	90.6	43-135			
p,m-Xylene	4.61	0.0500	5.00	ND	92.3	43-135			
Total Xylenes	6.88	0.0250	7.50	ND	91.7	43-135			
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			

Matrix Spike Dup (2139029-MSD1)

Source: E109086-01

Prepared: 09/23/21 Analyzed: 09/23/21

Benzene	2.38	0.0250	2.50	ND	95.3	48-131	2.12	23	
Ethylbenzene	2.41	0.0250	2.50	ND	96.3	45-135	3.62	27	
Toluene	2.40	0.0250	2.50	ND	96.2	48-130	2.10	24	
o-Xylene	2.31	0.0250	2.50	ND	92.3	43-135	1.86	27	
p,m-Xylene	4.76	0.0500	5.00	ND	95.2	43-135	3.07	27	
Total Xylenes	7.07	0.0250	7.50	ND	94.2	43-135	2.67	27	
Surrogate: Bromofluorobenzene	0.468		0.500		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			



QC Summary Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
9/27/2021 1:04:08PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2139029-BLK1)

Prepared: 09/23/21 Analyzed: 09/23/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.456		0.500		91.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS (2139029-BS2)

Prepared: 09/23/21 Analyzed: 09/23/21

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0		89.5	70-130			
Surrogate: Bromofluorobenzene	0.453		0.500		90.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike (2139029-MS2)

Source: E109086-01

Prepared: 09/23/21 Analyzed: 09/23/21

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130			
Surrogate: Bromofluorobenzene	0.466		0.500		93.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			

Matrix Spike Dup (2139029-MSD2)

Source: E109086-01

Prepared: 09/23/21 Analyzed: 09/23/21

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.4	70-130	0.469	20	
Surrogate: Bromofluorobenzene	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			



QC Summary Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 9/27/2021 1:04:08PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2139027-BLK1)

Prepared: 09/23/21 Analyzed: 09/23/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.5		50.0		111	50-200			

LCS (2139027-BS1)

Prepared: 09/23/21 Analyzed: 09/23/21

Diesel Range Organics (C10-C28)	485	25.0	500		97.1	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			

Matrix Spike (2139027-MS1)

Source: E109088-01

Prepared: 09/23/21 Analyzed: 09/24/21

Diesel Range Organics (C10-C28)	541	25.0	500	ND	108	38-132			
Surrogate: n-Nonane	58.9		50.0		118	50-200			

Matrix Spike Dup (2139027-MSD1)

Source: E109088-01

Prepared: 09/23/21 Analyzed: 09/24/21

Diesel Range Organics (C10-C28)	556	25.0	500	ND	111	38-132	2.77	20	
Surrogate: n-Nonane	59.4		50.0		119	50-200			



QC Summary Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 9/27/2021 1:04:08PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2139028-BLK1)

Prepared: 09/23/21 Analyzed: 09/23/21

Chloride ND 20.0

LCS (2139028-BS1)

Prepared: 09/23/21 Analyzed: 09/23/21

Chloride 232 20.0 250 92.9 90-110

Matrix Spike (2139028-MS1)

Source: E109086-01

Prepared: 09/23/21 Analyzed: 09/23/21

Chloride 381 20.0 250 127 102 80-120

Matrix Spike Dup (2139028-MSD1)

Source: E109086-01

Prepared: 09/23/21 Analyzed: 09/23/21

Chloride 377 20.0 250 127 100 80-120 1.12 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 may differ slightly.



Definitions and Notes

Enduring Resources, LLC	Project Name:	Jicarilla #103H	
6300 S Syracuse Way Suite 525	Project Number:	17065-0017	Reported:
Centennial CO, 80111	Project Manager:	Chad Snell	09/27/21 13:04

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Enduring Resources Project: Jicarilla 103H Project Manager: Chad Snell Address: 200 Endergy court City, State, Zip Farmington, NM, 4701 Phone: (505) 444-0586 Email: csnell@enduringresources.com Report due by:				Bill To Attention: Enduring Address: City, State, Zip Phone: Email:				Lab Use Only				TAT				EPA Program				
								Lab WO# E109088		Job Number 17005007		1D	2D	3D	Standard	CWA	SDW			
								Analysis and Method												RCR
								DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0							
																		State		
								NM	CO	UT	AZ	TX								
												Remarks								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0									
11:40	9/23/21	S	1	West Wall	1	X	X	X			X									
11:50	{	{	{	South wall	2	X	X	X			X									
12:00				West Bottom	3	X	X	X			X									
12:10				East wall	4	X	X	X			X									
12:15				S4	5	X	X	X			X									
12:30				North wall	6	X	X	X			X									
12:35				East Bottom	7	X	X	X			X									
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Relinquished by: (Signature) _____ Date 9-23-21 Time 1:30pm Received by: (Signature) _____ Date 9/23/21 Time 1:32 Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____ Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____																				
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 oC on subsequent days. Received on ice: Lab Use Only (Y/N) T1 _____ T2 _____ T3 _____ AVG Temp oC 4																				
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.																				

Envirotech Analytical Laboratory

Printed: 9/23/2021 2:07:58PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Enduring Resources, LLC
 Phone: (303) 573-1222
 Email: csnell@EnduringResources.com

Date Received: 09/23/21 13:32
 Date Logged In: 09/23/21 14:04
 Due Date: 09/24/21 17:00 (1 day TAT)

Work Order ID: E109088
 Logged In By: Alexa Michaels

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
 2. Does the number of samples per sampling site location match the COC? Yes
 3. Were samples dropped off by client or carrier? Yes
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
 5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold times are not included in this discussion.

Carrier: Chad SnellSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
 8. If yes, was cooler received in good condition? Yes
 9. Was the sample(s) received intact, i.e., not broken? Yes
 10. Were custody/security seals present? No
 11. If yes, were custody/security seals intact? NA
 12. Was the sample received on ice? If yes, the recorded temperature 4°C, i.e., 6°±2°C Yes
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 Sample ID? Yes
 Date/Time Collected? Yes
 Collector's name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

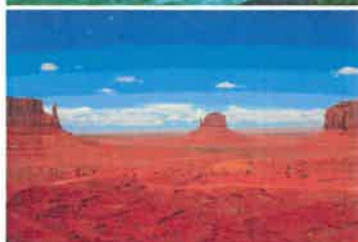
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Chad Snell



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Enduring Resources, LLC

Project Name: Jicarilla 103H PDP

Work Order: E110065

Job Number: 17065-0017

Received: 10/14/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/15/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted 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 NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/15/21

Chad Snell
6300 S Syracuse Way Suite 525
Centennial, CO 80111



Project Name: Jicarilla 103H PDP
Workorder: E110065
Date Received: 10/14/2021 11:42:00AM

Chad Snell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/14/2021 11:42:00AM, under the Project Name: Jicarilla 103H PDP.

The analytical test results summarized in this report with the Project Name: Jicarilla 103H PDP apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Technical Representative
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tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla 103H PDP Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/15/21 15:11
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
North Wall	E110065-01A	Soil	10/14/21	10/14/21	Glass Jar, 4 oz.
East Wall	E110065-02A	Soil	10/14/21	10/14/21	Glass Jar, 4 oz.
West Wall	E110065-03A	Soil	10/14/21	10/14/21	Glass Jar, 4 oz.
S5	E110065-04A	Soil	10/14/21	10/14/21	Glass Jar, 4 oz.
S6	E110065-05A	Soil	10/14/21	10/14/21	Glass Jar, 4 oz.



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla 103H PDP
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/15/2021 3:11:32PM

North Wall

E110065-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2142038
Benzene	ND	0.0250	1	10/14/21	10/15/21	
Ethylbenzene	ND	0.0250	1	10/14/21	10/15/21	
Toluene	ND	0.0250	1	10/14/21	10/15/21	
o-Xylene	ND	0.0250	1	10/14/21	10/15/21	
p,m-Xylene	ND	0.0500	1	10/14/21	10/15/21	
Total Xylenes	ND	0.0250	1	10/14/21	10/15/21	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2142038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/21	10/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2142033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/21	10/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/21	10/14/21	
Surrogate: n-Nonane		112 %	50-200	10/14/21	10/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2142026
Chloride	263	20.0	1	10/14/21	10/14/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla 103H PDP
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/15/2021 3:11:32PM

East Wall

E110065-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2142038
Benzene	ND	0.0250	1	10/14/21	10/15/21	
Ethylbenzene	ND	0.0250	1	10/14/21	10/15/21	
Toluene	ND	0.0250	1	10/14/21	10/15/21	
o-Xylene	ND	0.0250	1	10/14/21	10/15/21	
p,m-Xylene	ND	0.0500	1	10/14/21	10/15/21	
Total Xylenes	ND	0.0250	1	10/14/21	10/15/21	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2142038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/21	10/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.4 %	70-130		10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2142033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/21	10/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/21	10/14/21	
Surrogate: n-Nonane	107 %	50-200		10/14/21	10/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2142026
Chloride	829	20.0	1	10/14/21	10/14/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla 103H PDP
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/15/2021 3:11:32PM

West Wall

E110065-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2142038
Benzene	ND	0.0250	1	10/14/21	10/15/21	
Ethylbenzene	ND	0.0250	1	10/14/21	10/15/21	
Toluene	ND	0.0250	1	10/14/21	10/15/21	
o-Xylene	ND	0.0250	1	10/14/21	10/15/21	
p,m-Xylene	ND	0.0500	1	10/14/21	10/15/21	
Total Xylenes	ND	0.0250	1	10/14/21	10/15/21	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2142038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/21	10/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2142033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/21	10/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/21	10/14/21	
Surrogate: n-Nonane		109 %	50-200	10/14/21	10/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2142026
Chloride	2290	40.0	2	10/14/21	10/14/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla 103H PDP
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/15/2021 3:11:32PM

S5

E110065-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2142038
Benzene	ND	0.0250	1	10/14/21	10/15/21	
Ethylbenzene	ND	0.0250	1	10/14/21	10/15/21	
Toluene	ND	0.0250	1	10/14/21	10/15/21	
o-Xylene	ND	0.0250	1	10/14/21	10/15/21	
p,m-Xylene	ND	0.0500	1	10/14/21	10/15/21	
Total Xylenes	ND	0.0250	1	10/14/21	10/15/21	
Surrogate: 4-Bromochlorobenzene-PID	91.9 %	70-130		10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2142038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/21	10/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.3 %	70-130		10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2142033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/21	10/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/21	10/14/21	
Surrogate: n-Nonane	114 %	50-200		10/14/21	10/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2142026
Chloride	1990	40.0	2	10/14/21	10/14/21	



Sample Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla 103H PDP Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/15/2021 3:11:32PM
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S6

E110065-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2142038
Benzene	ND	0.0250	1	10/14/21	10/15/21	
Ethylbenzene	ND	0.0250	1	10/14/21	10/15/21	
Toluene	ND	0.0250	1	10/14/21	10/15/21	
o-Xylene	ND	0.0250	1	10/14/21	10/15/21	
p,m-Xylene	ND	0.0500	1	10/14/21	10/15/21	
Total Xylenes	ND	0.0250	1	10/14/21	10/15/21	
Surrogate: 4-Bromochlorobenzene-PID	92.4 %	70-130		10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2142038
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/21	10/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.6 %	70-130		10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2142033
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/21	10/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/21	10/14/21	
Surrogate: n-Nonane	112 %	50-200		10/14/21	10/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2142026
Chloride	2190	40.0	2	10/14/21	10/14/21	



QC Summary Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla 103H PDP Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/15/2021 3:11:32PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2142038-BLK1)

Prepared: 10/14/21 Analyzed: 10/15/21

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			

LCS (2142038-BS1)

Prepared: 10/14/21 Analyzed: 10/15/21

Benzene	4.97	0.0250	5.00		99.5	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.6	70-130			
Toluene	4.97	0.0250	5.00		99.3	70-130			
o-Xylene	4.86	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.73	0.0500	10.0		97.3	70-130			
Total Xylenes	14.6	0.0250	15.0		97.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

LCS Dup (2142038-BSD1)

Prepared: 10/14/21 Analyzed: 10/15/21

Benzene	5.04	0.0250	5.00		101	70-130	1.42	20	
Ethylbenzene	4.85	0.0250	5.00		97.0	70-130	1.51	20	
Toluene	5.04	0.0250	5.00		101	70-130	1.40	20	
o-Xylene	4.93	0.0250	5.00		98.6	70-130	1.52	20	
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130	1.53	20	
Total Xylenes	14.8	0.0250	15.0		98.7	70-130	1.53	20	
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			

QC Summary Data

Enduring Resources, LLC	Project Name:	Jicarilla 103H PDP	Reported:
6300 S Syracuse Way Suite 525	Project Number:	17065-0017	
Centennial CO, 80111	Project Manager:	Chad Snell	10/15/2021 3:11:32PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2142038-BLK1)

Prepared: 10/14/21 Analyzed: 10/15/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			

LCS (2142038-BS2)

Prepared: 10/14/21 Analyzed: 10/15/21

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

LCS Dup (2142038-BSD2)

Prepared: 10/14/21 Analyzed: 10/15/21

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130	0.868	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla 103H PDP Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/15/2021 3:11:32PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2142033-BLK1)

Prepared: 10/14/21 Analyzed: 10/14/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	50-200			

LCS (2142033-BS1)

Prepared: 10/14/21 Analyzed: 10/14/21

Diesel Range Organics (C10-C28)	564	25.0	500		113	38-132			
Surrogate: n-Nonane	55.1		50.0		110	50-200			

LCS Dup (2142033-BSD1)

Prepared: 10/14/21 Analyzed: 10/14/21

Diesel Range Organics (C10-C28)	582	25.0	500		116	38-132	2.99	20	
Surrogate: n-Nonane	55.4		50.0		111	50-200			



QC Summary Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla 103H PDP Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/15/2021 3:11:32PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2142026-BLK1)

Prepared: 10/14/21 Analyzed: 10/14/21

Chloride ND 20.0

LCS (2142026-BS1)

Prepared: 10/14/21 Analyzed: 10/14/21

Chloride 245 20.0 250 97.8 90-110

LCS Dup (2142026-BSD1)

Prepared: 10/14/21 Analyzed: 10/14/21

Chloride 245 20.0 250 98.1 90-110 0.298 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 may differ slightly.



Definitions and Notes

Enduring Resources, LLC	Project Name:	Jicarilla 103H PDP	
6300 S Syracuse Way Suite 525	Project Number:	17065-0017	
Centennial CO, 80111	Project Manager:	Chad Snell	Reported: 10/15/21 15:11

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Enduring Resources Project: Jicarilla 103H PDP Project Manager: Chad Snell Address: 200 Endergy court City, State, Zip Farmington, NM, 4701 Phone: (505) 444-0586 Email: csnell@enduringresources.com Report due by:						Bill To						Lab Use Only						TAT				EPA Program		
						Attention: Enduring						Lab WO# E1100005		Job Number 17005-0017				1D	2D	3D	Standard	CWA	SDV	
						Address:						Analysis and Method												RC
						City, State, Zip																		
Phone:																								
Email:																								
State																								
Remarks																								

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Other	Other	Other	Other	Other	Other	Other	Other
9:40	10/14/21	S	1	NORTH Wall	1	X	X	X			X								
9:45	10/14/21	S	1	EAST Wall	2	X	X	X			X								
9:50	10/14/21	S	1	WEST Wall	3	X	X	X			X								
10:00	10/14/21	S	1	S5	4	X	X	X			X								
10:05	10/14/21	S	1	S6	5	X	X	X			X								

Additional Instructions:

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

Sampled by: [Signature]

Relinquished by: (Signature) <u>[Signature]</u>	Date 10/14/21	Time 11:42	Received by: (Signature) <u>[Signature]</u>	Date 10/14/21	Time 11:42
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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 oC on subsequent days.

Lab Use Only

Received on ice: (Y/N)

T1 _____ T2 _____ T3 _____

AVG Temp oC 4

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.

Envirotech Analytical Laboratory

Printed: 10/14/2021 11:47:30AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Enduring Resources, LLC
 Phone: (303) 573-1222
 Email: csnell@EnduringResources.com

Date Received: 10/14/21 11:42
 Date Logged In: 10/14/21 11:44
 Due Date: 10/15/21 17:00 (1 day TAT)

Work Order ID: E110065
 Logged In By: Alexa Michaels

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
 2. Does the number of samples per sampling site location match the COC? Yes
 3. Were samples dropped off by client or carrier? Yes
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
 5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold times are not included in this discussion.

Carrier: Jim Mars

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
 8. If yes, was cooler received in good condition? Yes
 9. Was the sample(s) received intact, i.e., not broken? Yes
 10. Were custody/security seals present? No
 11. If yes, were custody/security seals intact? NA
 12. Was the sample received on ice? If yes, the recorded temperature is 4°C, i.e., 6±2°C Yes
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 Sample ID? Yes
 Date/Time Collected? Yes
 Collector's name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

Signature of client authorizing changes to the COC or sample disposition.

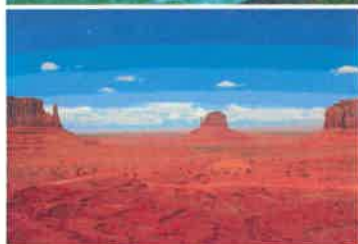
Date



envirotech Inc.

Report to:

Chad Snell



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Enduring Resources, LLC

Project Name: Jicarilla #103H

Work Order: E110091

Job Number: 17065-0017

Received: 10/18/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/20/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted 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 NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/20/21

Chad Snell
6300 S Syracuse Way Suite 525
Centennial, CO 80111



Project Name: Jicarilla #103H
Workorder: E110091
Date Received: 10/18/2021 2:37:00PM

Chad Snell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2021 2:37:00PM, under the Project Name: Jicarilla #103H.

The analytical test results summarized in this report with the Project Name: Jicarilla #103H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/21 16:14
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S7	E110091-01A	Soil	10/18/21	10/18/21	Glass Jar, 4 oz.
S7 24	E110091-02A	Soil	10/18/21	10/18/21	Glass Jar, 4 oz.
S7 48	E110091-03A	Soil	10/18/21	10/18/21	Glass Jar, 4 oz.
S8 48	E110091-04A	Solid	10/18/21	10/18/21	Glass Jar, 4 oz.
S8 24	E110091-05A	Soil	10/18/21	10/18/21	Glass Jar, 4 oz.
S8	E110091-06A	Soil	10/18/21	10/18/21	Glass Jar, 4 oz.



Sample Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/2021 4:14:06PM
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S7

E110091-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2143022
Benzene	ND	0.0250	1	10/19/21	10/19/21	
Ethylbenzene	ND	0.0250	1	10/19/21	10/19/21	
Toluene	ND	0.0250	1	10/19/21	10/19/21	
o-Xylene	ND	0.0250	1	10/19/21	10/19/21	
p,m-Xylene	ND	0.0500	1	10/19/21	10/19/21	
Total Xylenes	ND	0.0250	1	10/19/21	10/19/21	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/19/21	10/19/21	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		10/19/21	10/19/21	
Surrogate: Toluene-d8	101 %	70-130		10/19/21	10/19/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2143022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/21	10/19/21	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/19/21	10/19/21	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		10/19/21	10/19/21	
Surrogate: Toluene-d8	101 %	70-130		10/19/21	10/19/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2143024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/21	10/19/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/21	10/19/21	
Surrogate: n-Nonane	104 %	50-200		10/19/21	10/19/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2143021
Chloride	76.5	20.0	1	10/19/21	10/19/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/20/2021 4:14:06PM

S7 24

E110091-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2143022
Benzene	ND	0.0250	1	10/19/21	10/19/21	
Ethylbenzene	ND	0.0250	1	10/19/21	10/19/21	
Toluene	ND	0.0250	1	10/19/21	10/19/21	
o-Xylene	ND	0.0250	1	10/19/21	10/19/21	
p,m-Xylene	ND	0.0500	1	10/19/21	10/19/21	
Total Xylenes	ND	0.0250	1	10/19/21	10/19/21	
Surrogate: Bromofluorobenzene		101 %	70-130	10/19/21	10/19/21	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/19/21	10/19/21	
Surrogate: Toluene-d8		101 %	70-130	10/19/21	10/19/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2143022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/21	10/19/21	
Surrogate: Bromofluorobenzene		101 %	70-130	10/19/21	10/19/21	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	10/19/21	10/19/21	
Surrogate: Toluene-d8		101 %	70-130	10/19/21	10/19/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2143024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/21	10/19/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/21	10/19/21	
Surrogate: n-Nonane		99.5 %	50-200	10/19/21	10/19/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2143021
Chloride	27.4	20.0	1	10/19/21	10/19/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/20/2021 4:14:06PM

S7 48

E110091-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2143022
Benzene	ND	0.0250	1	10/19/21	10/19/21	
Ethylbenzene	ND	0.0250	1	10/19/21	10/19/21	
Toluene	ND	0.0250	1	10/19/21	10/19/21	
o-Xylene	ND	0.0250	1	10/19/21	10/19/21	
p,m-Xylene	ND	0.0500	1	10/19/21	10/19/21	
Total Xylenes	ND	0.0250	1	10/19/21	10/19/21	
Surrogate: Bromofluorobenzene		102 %	70-130	10/19/21	10/19/21	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	10/19/21	10/19/21	
Surrogate: Toluene-d8		103 %	70-130	10/19/21	10/19/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2143022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/21	10/19/21	
Surrogate: Bromofluorobenzene		102 %	70-130	10/19/21	10/19/21	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	10/19/21	10/19/21	
Surrogate: Toluene-d8		103 %	70-130	10/19/21	10/19/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2143024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/21	10/19/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/21	10/19/21	
Surrogate: n-Nonane		108 %	50-200	10/19/21	10/19/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2143021
Chloride	51.5	20.0	1	10/19/21	10/19/21	



Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/20/2021 4:14:06PM

S8 48

E110091-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2143022
Benzene	ND	0.250	10	10/19/21	10/19/21	
Ethylbenzene	ND	0.250	10	10/19/21	10/19/21	
Toluene	ND	0.250	10	10/19/21	10/19/21	
o-Xylene	ND	0.250	10	10/19/21	10/19/21	
p,m-Xylene	ND	0.500	10	10/19/21	10/19/21	
Total Xylenes	ND	0.250	10	10/19/21	10/19/21	
Surrogate: Bromofluorobenzene	98.3 %	70-130		10/19/21	10/19/21	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		10/19/21	10/19/21	
Surrogate: Toluene-d8	102 %	70-130		10/19/21	10/19/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2143022
Gasoline Range Organics (C6-C10)	ND	200	10	10/19/21	10/19/21	
Surrogate: Bromofluorobenzene	98.3 %	70-130		10/19/21	10/19/21	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		10/19/21	10/19/21	
Surrogate: Toluene-d8	102 %	70-130		10/19/21	10/19/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2143024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/21	10/19/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/21	10/19/21	
Surrogate: n-Nonane	110 %	50-200		10/19/21	10/19/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2143021
Chloride	ND	20.0	1	10/19/21	10/19/21	



Sample Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/2021 4:14:06PM
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S8 24

E110091-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2143022
Benzene	ND	0.0250	1	10/19/21	10/19/21	
Ethylbenzene	ND	0.0250	1	10/19/21	10/19/21	
Toluene	ND	0.0250	1	10/19/21	10/19/21	
o-Xylene	ND	0.0250	1	10/19/21	10/19/21	
p,m-Xylene	ND	0.0500	1	10/19/21	10/19/21	
Total Xylenes	ND	0.0250	1	10/19/21	10/19/21	
Surrogate: Bromofluorobenzene		101 %	70-130	10/19/21	10/19/21	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	10/19/21	10/19/21	
Surrogate: Toluene-d8		100 %	70-130	10/19/21	10/19/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2143022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/21	10/19/21	
Surrogate: Bromofluorobenzene		101 %	70-130	10/19/21	10/19/21	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	10/19/21	10/19/21	
Surrogate: Toluene-d8		100 %	70-130	10/19/21	10/19/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2143024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/21	10/19/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/21	10/19/21	
Surrogate: n-Nonane		110 %	50-200	10/19/21	10/19/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2143021
Chloride	ND	20.0	1	10/19/21	10/19/21	



Sample Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/2021 4:14:06PM
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S8

E110091-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2143022
Benzene	ND	0.0250	1	10/19/21	10/19/21	
Ethylbenzene	ND	0.0250	1	10/19/21	10/19/21	
Toluene	ND	0.0250	1	10/19/21	10/19/21	
o-Xylene	ND	0.0250	1	10/19/21	10/19/21	
p,m-Xylene	ND	0.0500	1	10/19/21	10/19/21	
Total Xylenes	ND	0.0250	1	10/19/21	10/19/21	
Surrogate: Bromofluorobenzene	99.3 %	70-130		10/19/21	10/19/21	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		10/19/21	10/19/21	
Surrogate: Toluene-d8	103 %	70-130		10/19/21	10/19/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2143022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/21	10/19/21	
Surrogate: Bromofluorobenzene	99.3 %	70-130		10/19/21	10/19/21	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		10/19/21	10/19/21	
Surrogate: Toluene-d8	103 %	70-130		10/19/21	10/19/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2143024
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/21	10/19/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/21	10/19/21	
Surrogate: n-Nonane	114 %	50-200		10/19/21	10/19/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2143021
Chloride	ND	20.0	1	10/19/21	10/19/21	



QC Summary Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/2021 4:14:06PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2143022-BLK1)

Prepared: 10/19/21 Analyzed: 10/19/21

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2143022-BS1)

Prepared: 10/19/21 Analyzed: 10/19/21

Benzene	2.80	0.0250	2.50		112	70-130			
Ethylbenzene	2.80	0.0250	2.50		112	70-130			
Toluene	2.90	0.0250	2.50		116	70-130			
o-Xylene	2.73	0.0250	2.50		109	70-130			
p,m-Xylene	5.84	0.0500	5.00		117	70-130			
Total Xylenes	8.57	0.0250	7.50		114	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.533		0.500		107	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

LCS Dup (2143022-BSD1)

Prepared: 10/19/21 Analyzed: 10/19/21

Benzene	2.77	0.0250	2.50		111	70-130	0.934	23	
Ethylbenzene	2.79	0.0250	2.50		112	70-130	0.376	27	
Toluene	2.86	0.0250	2.50		114	70-130	1.51	24	
o-Xylene	2.76	0.0250	2.50		110	70-130	0.983	27	
p,m-Xylene	5.85	0.0500	5.00		117	70-130	0.163	27	
Total Xylenes	8.60	0.0250	7.50		115	70-130	0.425	27	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			



QC Summary Data

Enduring Resources, LLC	Project Name:	Jicarilla #103H	Reported:
6300 S Syracuse Way Suite 525	Project Number:	17065-0017	
Centennial CO, 80111	Project Manager:	Chad Snell	10/20/2021 4:14:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2143022-BLK1)

Prepared: 10/19/21 Analyzed: 10/19/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2143022-BS2)

Prepared: 10/19/21 Analyzed: 10/19/21

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.1	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.3	70-130			

LCS Dup (2143022-BSD2)

Prepared: 10/19/21 Analyzed: 10/19/21

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.3	70-130	0.232	20	
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500		103	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			



QC Summary Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/2021 4:14:06PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2143024-BLK1)

Prepared: 10/19/21 Analyzed: 10/20/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.6		50.0		117	50-200			

LCS (2143024-BS1)

Prepared: 10/19/21 Analyzed: 10/20/21

Diesel Range Organics (C10-C28)	491	25.0	500		98.3	38-132			
Surrogate: n-Nonane	57.5		50.0		115	50-200			

LCS Dup (2143024-BSD1)

Prepared: 10/19/21 Analyzed: 10/20/21

Diesel Range Organics (C10-C28)	483	25.0	500		96.5	38-132	1.81	20	
Surrogate: n-Nonane	56.2		50.0		112	50-200			



QC Summary Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/2021 4:14:06PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2143021-BLK1)

Prepared: 10/19/21 Analyzed: 10/19/21

Chloride ND 20.0

LCS (2143021-BS1)

Prepared: 10/19/21 Analyzed: 10/19/21

Chloride 245 20.0 250 98.0 90-110

LCS Dup (2143021-BSD1)

Prepared: 10/19/21 Analyzed: 10/19/21

Chloride 243 20.0 250 97.2 90-110 0.861 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 may differ slightly.



Definitions and Notes

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/21 16:14
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Enduring Resources Project: <u>Sycamore 103 H</u> Project Manager: Chad Snell Address: 200 Endergy court City, State, Zip: Farmington, NM, 4701 Phone: (505) 444-0586 Email: csnell@enduringresources.com Report due by:					Bill To					Lab Use Only					TAT					EPA Program	
					Attention: <u>Enduring</u>					Lab WO# <u>E110091</u>		Job Number <u>17015017X</u>			1D	2D	3D	Standard	CWA	SDV	
					Address:					Analysis and Method										RCRA	
					City, State, Zip																
Phone:					DRO/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0						State					
Email:																NM CO UT AZ TX					
Report due by:																					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	1D	2D	3D	Standard	Remarks
10:50	10/18/21	S	1	S7	1	X	X	X		X						
10:55	10/18/21	S	1	S7 24	2	X	X	X		X						
11:00	10/18/21	S	1	S7 48	3	X	X	X		X						
11:05	10/18/21	S	1	S8 48	4	X	X	X		X						
11:10	10/18/21	S	1	S8 24	5	X	X	X		X						
11:15	10/18/21	S	1	S8	6	X	X	X		X						

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

Relinquished by: (Signature) <u>[Signature]</u> Date <u>10/18/21</u> Time <u>14:37</u> Relinquished by: (Signature) Date Time Relinquished by: (Signature) Date Time						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 oC on subsequent days.					
						Received on ice: <u>Y</u> <u>N</u>					
Received by: (Signature) <u>[Signature]</u> Date <u>10/18/21</u> Time <u>14:37</u> Received by: (Signature) Date Time Received by: (Signature) Date Time						Lab Use Only AVG Temp oC <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.

Envirotech Analytical Laboratory

Printed: 10/20/2021 12:58:35PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Enduring Resources, LLC
 Phone: (303) 573-1222
 Email: csnell@EnduringResources.com

Date Received: 10/18/21 14:37
 Date Logged In: 10/19/21 13:00
 Due Date: 10/20/21 17:00 (2 day TAT)

Work Order ID: E110091
 Logged In By: Alexa Michaels

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold times are not included in this discussion.

Carrier: Jim Mars

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temperature is 4°C, i.e., 6±2°C Yes

Note: Thermal preservation is not required, if samples are received w/in 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pencil sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 Sample ID? Yes
 Date/Time Collected? Yes
 Collector's name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Chad Snell



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Enduring Resources, LLC

Project Name: Jicarilla #103H

Work Order: E110117

Job Number: 17065-0017

Received: 10/22/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/26/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted 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 NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/26/21

Chad Snell
6300 S Syracuse Way Suite 525
Centennial, CO 80111



Project Name: Jicarilla #103H
Workorder: E110117
Date Received: 10/22/2021 2:15:00PM

Chad Snell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/22/2021 2:15:00PM, under the Project Name: Jicarilla #103H.

The analytical test results summarized in this report with the Project Name: Jicarilla #103H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Technical Representative/Client Services
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Rayny Hagan
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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Enduring Resources, LLC	Project Name:	Jicarilla #103H	Reported:
6300 S Syracuse Way Suite 525	Project Number:	17065-0017	
Centennial CO, 80111	Project Manager:	Chad Snell	10/26/21 14:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
East Wall	E110117-01A	Soil	10/22/21	10/22/21	Glass Jar, 4 oz.

Sample Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/26/2021 2:01:14PM

East Wall

E110117-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2144001
Benzene	ND	0.0250	1	10/25/21	10/25/21	
Ethylbenzene	ND	0.0250	1	10/25/21	10/25/21	
Toluene	ND	0.0250	1	10/25/21	10/25/21	
o-Xylene	ND	0.0250	1	10/25/21	10/25/21	
p,m-Xylene	ND	0.0500	1	10/25/21	10/25/21	
Total Xylenes	ND	0.0250	1	10/25/21	10/25/21	
Surrogate: Bromofluorobenzene	87.2 %	70-130		10/25/21	10/25/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/25/21	10/25/21	
Surrogate: Toluene-d8	96.5 %	70-130		10/25/21	10/25/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2144001
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/25/21	10/25/21	
Surrogate: Bromofluorobenzene	87.2 %	70-130		10/25/21	10/25/21	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/25/21	10/25/21	
Surrogate: Toluene-d8	96.5 %	70-130		10/25/21	10/25/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2144002
Diesel Range Organics (C10-C28)	ND	25.0	1	10/25/21	10/25/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/25/21	10/25/21	
Surrogate: n-Nonane	97.9 %	50-200		10/25/21	10/25/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2144005
Chloride	ND	20.0	1	10/25/21	10/26/21	

QC Summary Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/26/2021 2:01:14PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2144001-BLK1)

Prepared: 10/25/21 Analyzed: 10/25/21

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.443		0.500		88.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.2	70-130			

LCS (2144001-BS1)

Prepared: 10/25/21 Analyzed: 10/26/21

Benzene	2.70	0.0250	2.50		108	70-130			
Ethylbenzene	2.74	0.0250	2.50		110	70-130			
Toluene	2.81	0.0250	2.50		112	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.37	0.0500	5.00		107	70-130			
Total Xylenes	7.97	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	0.453		0.500		90.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS Dup (2144001-BSD1)

Prepared: 10/25/21 Analyzed: 10/26/21

Benzene	2.46	0.0250	2.50		98.5	70-130	9.33	23	
Ethylbenzene	2.47	0.0250	2.50		98.7	70-130	10.4	27	
Toluene	2.52	0.0250	2.50		101	70-130	10.9	24	
o-Xylene	2.36	0.0250	2.50		94.3	70-130	9.74	27	
p,m-Xylene	4.85	0.0500	5.00		96.9	70-130	10.2	27	
Total Xylenes	7.21	0.0250	7.50		96.1	70-130	10.1	27	
Surrogate: Bromofluorobenzene	0.450		0.500		90.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500		103	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			



QC Summary Data

Enduring Resources, LLC	Project Name:	Jicarilla #103H	Reported:
6300 S Syracuse Way Suite 525	Project Number:	17065-0017	
Centennial CO, 80111	Project Manager:	Chad Snell	10/26/2021 2:01:14PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2144001-BLK1)

Prepared: 10/25/21 Analyzed: 10/25/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.443		0.500		88.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.2	70-130			

LCS (2144001-BS2)

Prepared: 10/25/21 Analyzed: 10/26/21

Gasoline Range Organics (C6-C10)	57.1	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	0.439		0.500		87.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS Dup (2144001-BSD2)

Prepared: 10/25/21 Analyzed: 10/26/21

Gasoline Range Organics (C6-C10)	57.1	20.0	50.0		114	70-130	0.0298	20	
Surrogate: Bromofluorobenzene	0.446		0.500		89.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			



QC Summary Data

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/26/2021 2:01:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2144002-BLK1)

Prepared: 10/25/21 Analyzed: 10/25/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.5		50.0		99.0	50-200			

LCS (2144002-BS1)

Prepared: 10/25/21 Analyzed: 10/25/21

Diesel Range Organics (C10-C28)	499	25.0	500		99.8	38-132			
Surrogate: n-Nonane	48.2		50.0		96.5	50-200			

Matrix Spike (2144002-MS1)

Source: E110114-26

Prepared: 10/25/21 Analyzed: 10/25/21

Diesel Range Organics (C10-C28)	545	25.0	500	ND	109	38-132			
Surrogate: n-Nonane	51.4		50.0		103	50-200			

Matrix Spike Dup (2144002-MSD1)

Source: E110114-26

Prepared: 10/25/21 Analyzed: 10/25/21

Diesel Range Organics (C10-C28)	546	25.0	500	ND	109	38-132	0.297	20	
Surrogate: n-Nonane	50.7		50.0		101	50-200			



QC Summary Data

Enduring Resources, LLC 6300 S Syracuse Way Suite 525 Centennial CO, 80111	Project Name: Jicarilla #103H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/26/2021 2:01:14PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2144005-BLK1)

Prepared: 10/25/21 Analyzed: 10/26/21

Chloride ND 20.0

LCS (2144005-BS1)

Prepared: 10/25/21 Analyzed: 10/26/21

Chloride 248 20.0 250 99.1 90-110

LCS Dup (2144005-BSD1)

Prepared: 10/25/21 Analyzed: 10/26/21

Chloride 246 20.0 250 98.6 90-110 0.550 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 may differ slightly.



Definitions and Notes

Enduring Resources, LLC
6300 S Syracuse Way Suite 525
Centennial CO, 80111

Project Name: Jicarilla #103H
Project Number: 17065-0017
Project Manager: Chad Snell

Reported:
10/26/21 14:01

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



[illegible]

Envirotech Analytical Laboratory

Printed: 10/24/2021 5:57:16PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Enduring Resources, LLC
 Phone: (303) 573-1222
 Email: csnell@EnduringResources.com

Date Received: 10/22/21 14:15
 Date Logged In: 10/24/21 17:52
 Due Date: 10/25/21 17:00 (1 day TAT)

Work Order ID: E110117
 Logged In By: Alexa Michaels

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
 2. Does the number of samples per sampling site location match the COC? Yes
 3. Were samples dropped off by client or carrier? Yes
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
 5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold times are not included in this discussion.

Carrier: Jim Mars

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temperature is 4°C, i.e., 6±2°C
 Note: Thermal preservation is not required, if samples are received w/in 15 minutes of sampling Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the headspace less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 Sample ID? Yes
 Date/Time Collected? Yes
 Collector's name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

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

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

CONDITIONS

Action 62833

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 62833
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	1. Closure Report Approved. 2. Deferral for area under production equipment measured 47' X 34' X 1.5' is granted. Future investigation/remediation to be completed at plug and abandonment of gas well.	1/7/2022