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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

*Deferral

Responsible Party: **Enduring Resources**	OGRID: **372286**
Contact Name: **Chad Snell**	Contact Telephone: **505-444-0586**
Contact email: **csnell@enduringresources.com**	Incident # *(assigned by OCD)* **NCS1904353759**
Contact mailing address: **200 Energy Court**	**Farmington, New Mexico 87401**

Location of Release Source

Latitude **36. 1327478** Longitude **-107. 589977**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: **West Escavada Unit 302H**	Site Type: **Wellsite**
Date Release Discovered: **1/27/2019**	API# *(if applicable)* **30-043-21305**

Unit Letter	Section	Township	Range	County
P	**17**	**22N**	**7W**	**Sandoval**

NMOCD
APR 25 2019
DISTRICT III

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls): **8BBLS**	Volume Recovered (bbls):
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
On 1/27/2019 a hydrovac truck was cleaning out a tank on the West Escavada 302H when the driver inadvertently opened the back hatch at released 8 bbls of produced water and oil from the truck. Clean up activities have taken place and confirmation sampling occurred on February 1st 2019.

40

Smith, Cory, EMNRD

From: Smith, Cory, EMNRD
Sent: Monday, May 20, 2019 9:32 AM
To: Chad Snell
Cc: James McDaniel; John Dockter
Subject: RE: WEU 302H confirmation sampling

Chad,

OCD received the Closure request for the W. Escavada Unit #302H. The report was marked as a Closure however, Enduring is really requested a deferral request as the elevated chlorides in the top 4' are above the 600mg/kg standard however since they are located on the well site they will be remediated at P&A as indicated in the closure.

There is no further action at this site until P&A or earlier if the area is no longer in use. The Incident will remain open until remediation is completed.

NCS1904353759 W ESCAVADA UNIT #302H @ 30-043-21305

General Incident Information

Site Name: W ESCAVADA UNIT #302H

Well: [30-043-21305] W ESCAVADA UNIT #302H

Facility:

Operator: [372286] ENDURING RESOURCES, LLC

Status: Closure Not Approved

Type: Produced Water Release

District: Aztec

Severity: Minor

Surface Owner: Indian

County: Sandoval (43)

Incident Location: P-17-28N-07W Lot: 0 FNL 0 FEL

Lat/Long: 36.1327478,-107.589977 NAD83

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	270 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Chad Snell Title: H&E Tech

Signature: Chad S Date: 5-20-19

email: _____ Telephone: _____

OCD Only

Received by: OCD DIII Date: 4/25/19

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

Signature: Cory Johnson Date: 5/20/19

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: **Chad Snell** Title: **HSE Tech**

Signature: _____ Date: 4-25-2019

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

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: _____ Date: _____

Printed Name: _____ Title: _____

West Escavada 302H Remediation Narrative

1/27/2019

A hydrovac truck was on site cleaning out a tank, when the driver of the truck inadvertently opened the back hatch. This caused a release of 8 bbls of produced water and oil onto the pad. The level indicator on the hydrovac truck had shown a level of 8 bbls just before the release occurred. Enduring Resources personnel went out onto site and accessed the release. The hydrovac truck sucked up standing pools of liquid shortly after. Remaining clean-up activities were scheduled for January the 30th 2019.

1/30/2019

Clean-up activities took place using a backhoe, that scraped up remaining impacted soil. Approximately 9 yards of soil was removed from impacted area. The NMOCD was notified via email (see attached *"Email Notification")* that confirmation sampling would take place on February 1st 2019 at 9:00am.

2/1/2019

Sampling activities took place with no representative of the NMOCD onsite to witness. The impacted area was broken up into Six different sections, where a 5-point composite sample was taken from each section. Each Section was broken up into 20 Ft. by 10 Ft. sections due to the 200 square foot rule (see attached *"Scaled Map"* for reference). Samples were later sent in for analysis for BTEX, TPH (GRO/DRO/ORO), and Chlorides.

2/5/2019

Returned results confirmed that no further excavation would be needed at this time due to the site being ranked with ground water being over 100 Ft. from surface (see attached *"Lab Analysis"*). The site was ranked by a cathodic that was drilled at a nearby location proving ground water to be over 100 Ft. from surface (see attached *"Ground bed drilling log").*

There are areas of the release that did not meet the 600 mg/kg reclamation requirement, however these areas are currently in use for the exploration and production of oil and gas. Once the areas are no longer in use or at final abandon, Enduring Resources will return to the impacted areas and ensure area is remediated per 19.15.29 NMAC.

Chad Snell

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Tuesday, February 12, 2019 2:59 PM
To: Chad Snell
Cc: Fields, Vanessa, EMNRD; James McDaniel; John Dockter
Subject: RE: WEU 302H confirmation sampling

Chad,

OCD has received and processed the initial C-141 for the below site. Please see the highlighted incident# for all future submittals and communication.

NCS1904353759 W ESCAVADA UNIT #302H @ 30-043-21305

General Incident Information

Site Name:	W ESCAVADA UNIT #302H
Well:	[30-043-21305] W ESCAVADA UNIT #302H
Facility:	
Operator:	[372286] ENDURING RESOURCES, LLC
Status:	Closure Not Approved
Type:	Produced Water Release
District:	Aztec
Incident Location:	P-17-28N-07W Lot: 0 FNL 0 FEL
Lat/Long:	36.1327478,-107.589977 NAD83

Thanks,

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

From: Chad Snell <CSnell@enduringresources.com>
Sent: Tuesday, February 5, 2019 8:14 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; James McDaniel <JMcDaniel@enduringresources.com>; John Dockter <JDockter@enduringresources.com>
Subject: [EXT] RE: WEU 302H confirmation sampling

Cory,
That was the level in the truck when the back hatch was accidently open. The crew had just began work and the level indicator on the truck showed 8 bbls.

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Monday, February 04, 2019 2:09 PM
To: Chad Snell <CSnell@enduringresources.com>
Cc: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; James McDaniel <JMcDaniel@enduringresources.com>; John Dockter <JDockter@enduringresources.com>
Subject: RE: WEU 302H confirmation sampling

Chad.

Please provide the Calculations and documentation that Enduring used to determine volume.

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

From: Chad Snell <CSnell@enduringresources.com>
Sent: Thursday, January 31, 2019 1:48 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; James McDaniel <JMcDaniel@enduringresources.com>; John Dockter <JDockter@enduringresources.com>
Subject: [EXT] RE: WEU 302H confirmation sampling

Cory,
It happened on Sunday January 27, 2019. A hydrovac truck inadvertently opened back hatch causing the release, which was verified to have 8bbls in the truck. The Initial C-141 was submitted today.

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Thursday, January 31, 2019 7:21 AM
To: Chad Snell <CSnell@enduringresources.com>
Cc: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; James McDaniel <JMcDaniel@enduringresources.com>; John Dockter <JDockter@enduringresources.com>
Subject: RE: WEU 302H confirmation sampling

Chad,

When? Please provide the Calculation and documentation that Enduring used to determine volume.

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources

1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Chad Snell <CSnell@enduringresources.com>
Sent: Wednesday, January 30, 2019 2:07 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; James McDaniel <JMcDaniel@enduringresources.com>; John Dockter <JDockter@enduringresources.com>
Subject: [EXT] Re: WEU 302H confirmation sampling

Cory,
It was a 8bbl produced water and oil spill on pad. Standing water was sucked up and impacted soil was scraped up.

Sent from my iPhone

On Jan 30, 2019, at 8:44 AM, Smith, Cory, EMNRD <Cory.Smith@state.nm.us> wrote:

> Chad,
>
> What spilled, When? How much? Please provide the Calculation and documentation that Enduring used to determine volume, What was Enduring initial response? As for the sampling event I am booked for Friday and will not be able to attend the sampling event. Please either sample the 200sqft or reschedule to another date next week.
>
> Thanks,
>
> Cory Smith
> Environmental Specialist
> Oil Conservation Division
> Energy, Minerals, & Natural Resources
> 1000 Rio Brazos, Aztec, NM 87410
> (505)334-6178 ext 115
> cory.smith@state.nm.us
>
> **From:** Chad Snell <CSnell@enduringresources.com>
> **Sent:** Wednesday, January 30, 2019 8:34 AM
> **To:** Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
> **Cc:** James McDaniel <JMcDaniel@enduringresources.com>; John Dockter <JDockter@enduringresources.com>
> **Subject:** [EXT] WEU 302H confirmation sampling
>
> Vanessa/Cory
>
> Please accept this email as the required notification for confirmation sampling at the West Escavada unit 302H (API: 30-043-21305) for a release we had earlier this week. Sampling activities will begin on Friday February 1st, 2019 at 9:00am.
> Thank you.

Enduring Resources, LLC
Spill Closure Report
WEU 302H

Photos: Impacted Area

Enduring Resources, LLC
Spill Closure Report
WEU 302H

Photo: Sampling Activities "Section A"

Enduring Resources, LLC
Spill Closure Report
WEU 302H

Photo: Sampling Event "Section B"

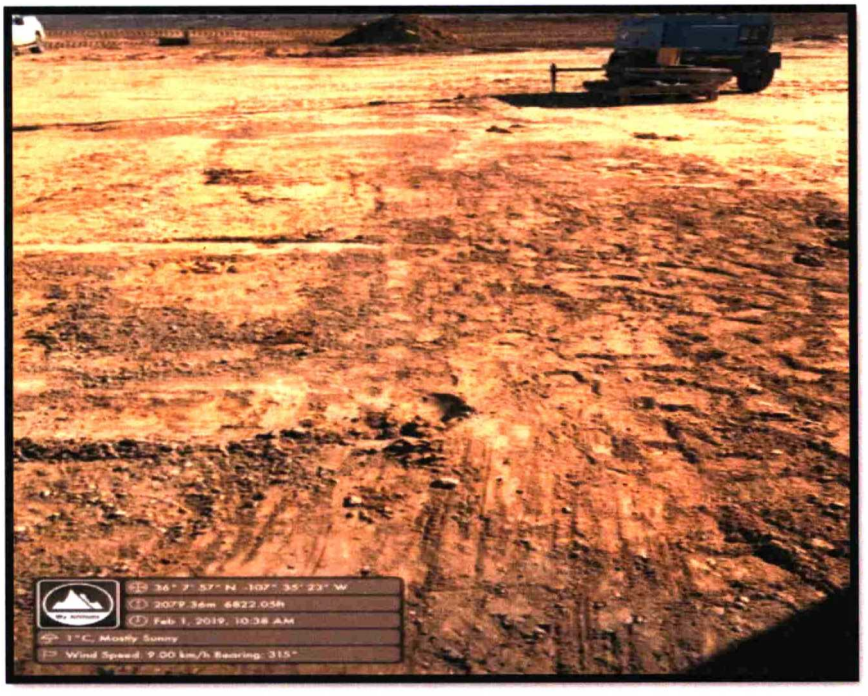


Photo: Sampling Event "Section C"

Enduring Resources, LLC
Spill Closure Report
WEU 302H

Photo: Sampling Event "Sections A, B, C"

Photo: Sampling Event "Section D"

Enduring Resources, LLC
Spill Closure Report
WEU 302H

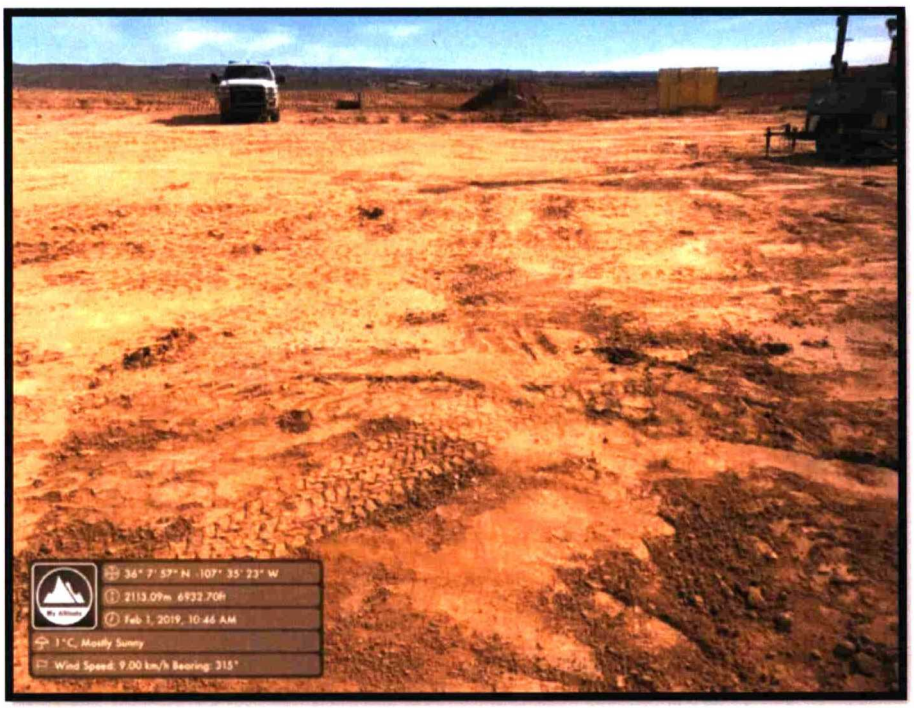
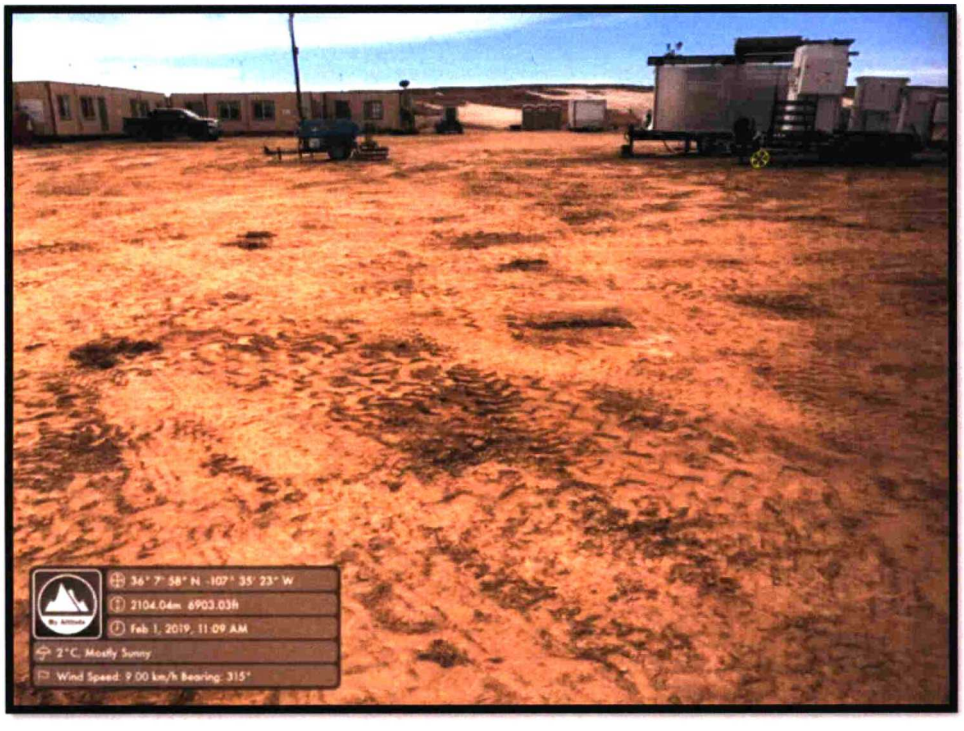


Photo: Sampling Event "Section E"

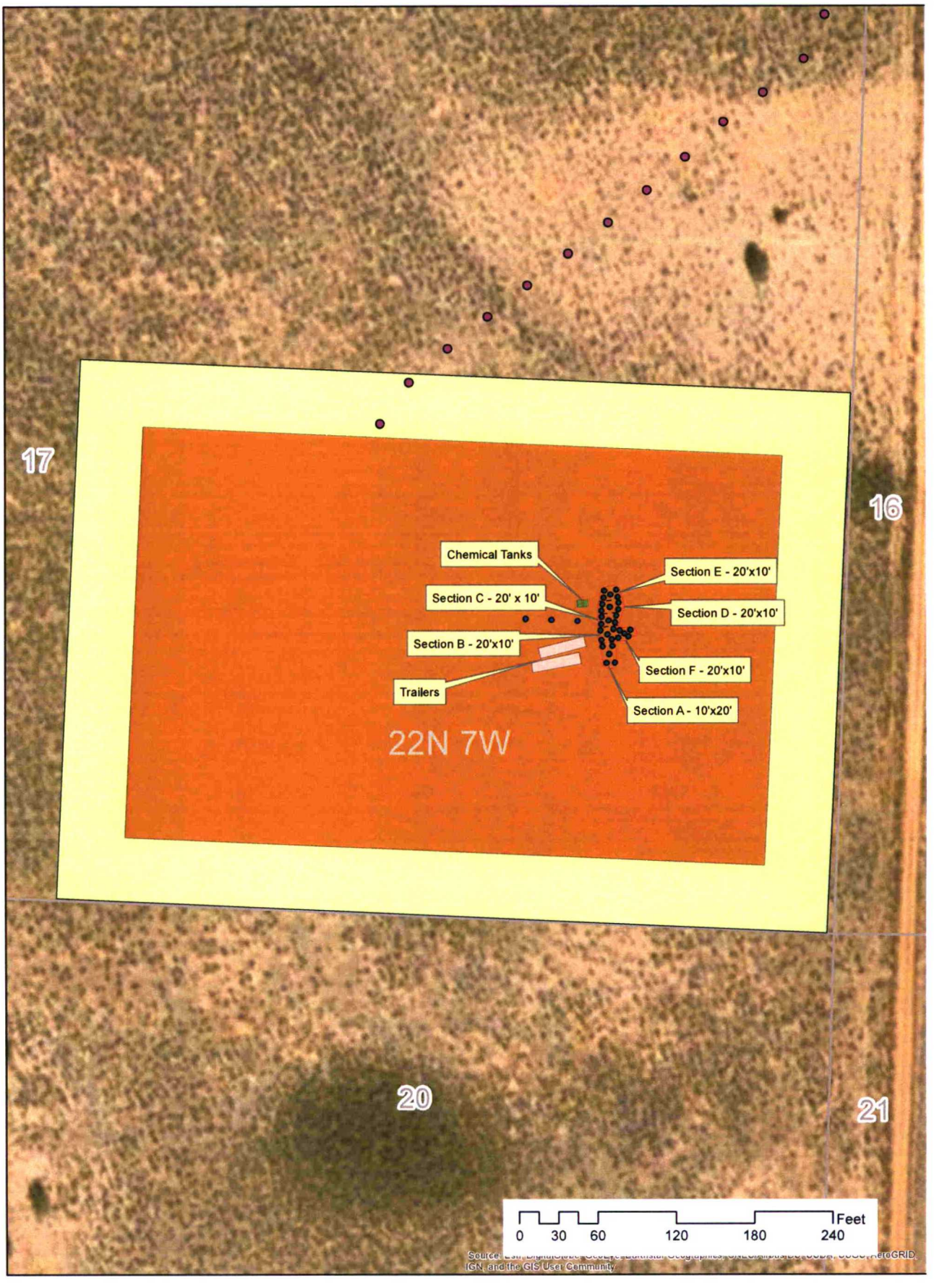
Enduring Resources, LLC
Spill Closure Report
WEU 302H

Photo: "Sections A, B, C, D, E"



Enduring Resources, LLC
Spill Closure Report
WEU 302H

Photo: Sampling Event "Section F"



WEU 302 Pad

Pipeline Points
Sample Points
Well head
AOI
Chemical Tank
Trailer
Constr Disturb
Well Pad

WEU_302_rwinkler_20190424

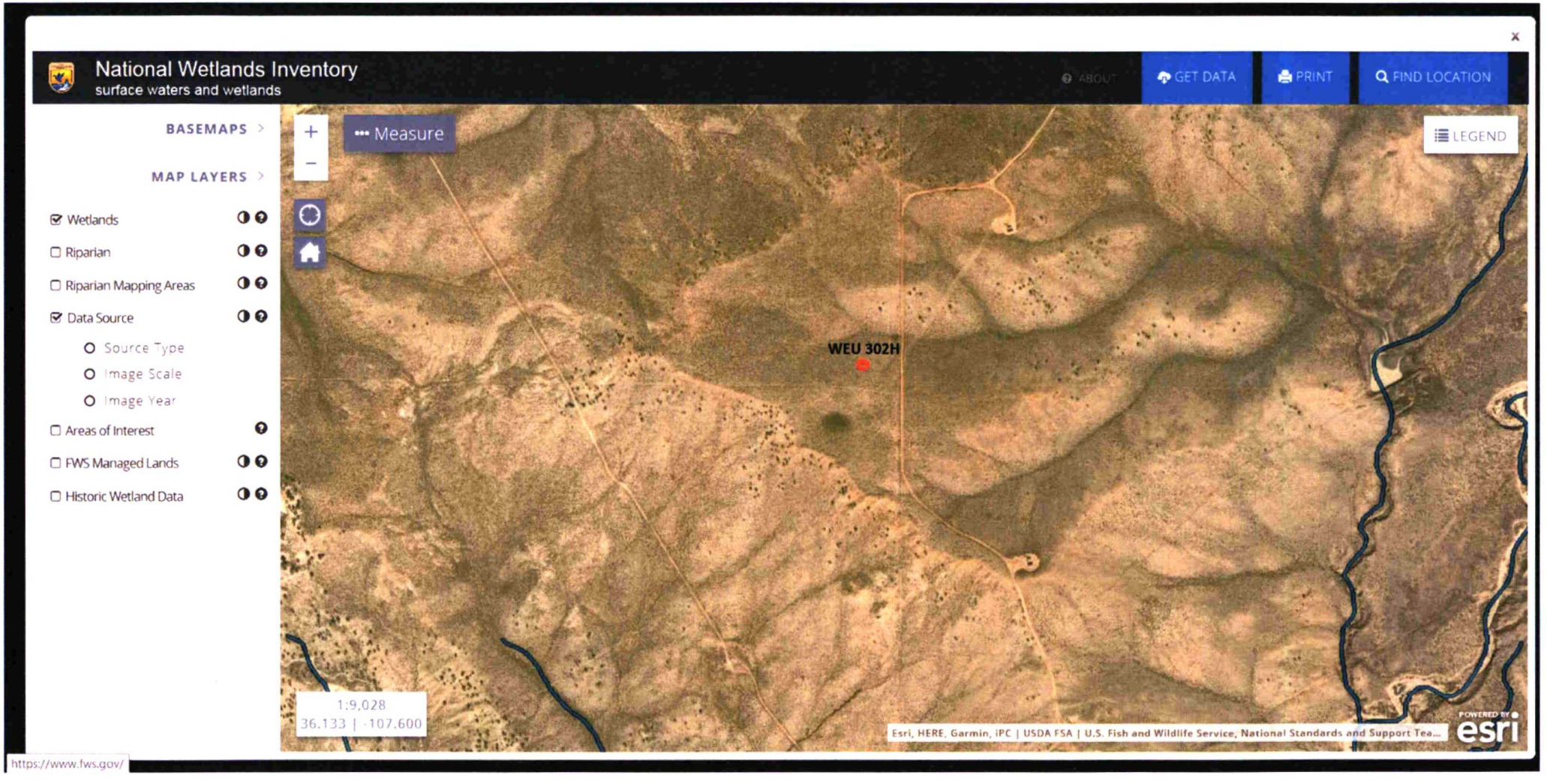
Updated: 4/24/2019

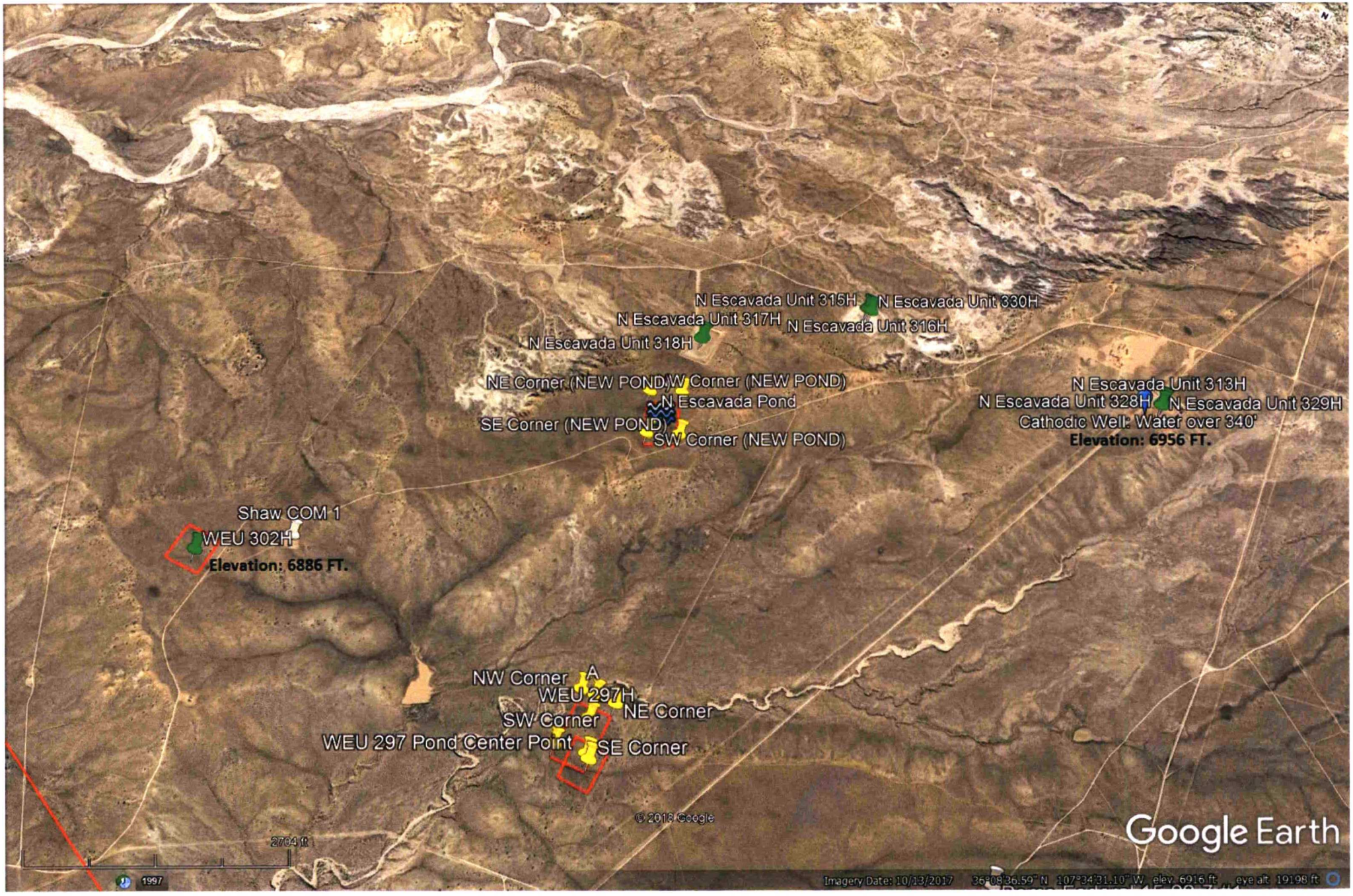
ENDURING RESOURCES, LLC

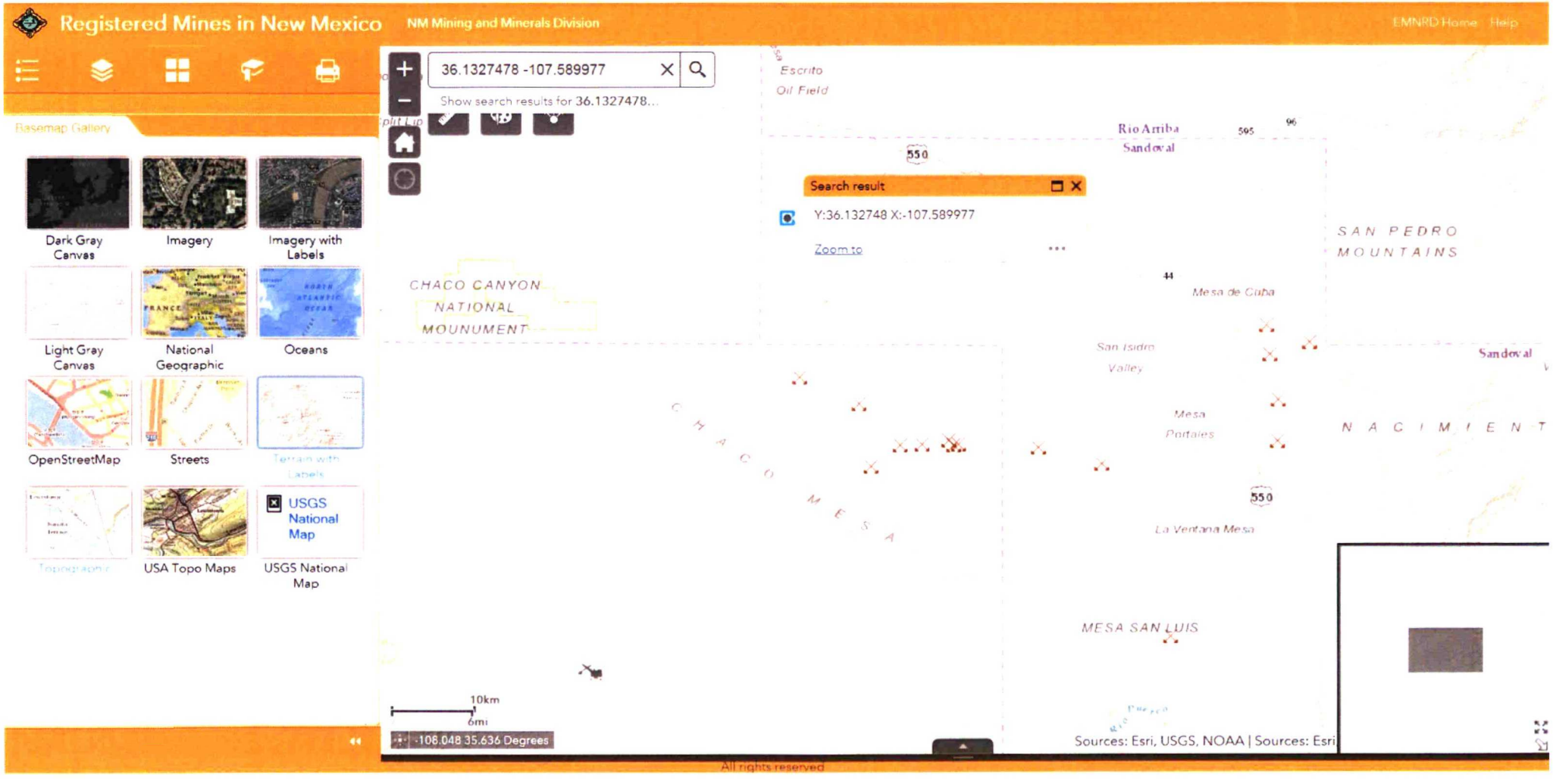
WEU 302H Sample Results Table

Sample Name	Description	Date	Time	DRO	GRO	DRO+ GRO	ORO	Total TPH	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Chlorides
				NA	NA	**1000**	NA	**2500**	**10**	NA	NA	NA	**50**	**20,000**
STANDARD	>100 feet to GW	NA	NA	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Section A	Composite	2/1/2019	10:25 AM	282	< 20	**302**	105	**407.0**	**< 0.025**	<0.025	< 0.025	<0.050	**<0.125**	**517**
Section B	Composite	2/1/2019	10:30 AM	49.5	<20	**70**	<20	**90.0**	**<0.025**	<0.025	<0.025	<0.050	**<0.125**	**1930**
Section C	Composite	2/1/2019	10:35 AM	<25	<20	**45**	<50	**95.0**	**<0.025**	<0.025	<0.025	<0.050	**<0.125**	**2350**
Section D	Composite	2/1/2019	10:40 AM	282	<20	**302**	125	**427.0**	**<0.025**	<0.025	<0.025	<0.050	**<0.125**	**1030**
Section E	Composite	2/1/2019	10:50 AM	121	<20	**141**	66.2	**207.2**	**<0.025**	< 0.025	< 0.025	<0.050	**<0.125**	**466**
Section F	Composite	2/1/2019	11:00 AM	318	<20	**338**	106	**444.0**	**<0.025**	< 0.025	< 0.025	<0.050	**<0.125**	**501**

CLOSURE SAMPLES


National Wetlands Inventory
surface waters and wetlands
ABOUT
GET DATA
PRINT
FIND LOCATION
BASEMAPS
MAP LAYERS
Wetlands
Riparian
Riparian Mapping Areas
Data Source
Source Type
Image Scale
Image Year
Areas of Interest
FWS Managed Lands
Historic Wetland Data
Measure
LEGEND
WEU 302H
1:9,028
36.133 | -107.600
Esri, HERE, Garmin, iPC | USDA FSA | U.S. Fish and Wildlife Service, National Standards and Support Tea...
POWERED BY esri
https://www.fws.gov/


N Escavada Unit 315H
N Escavada Unit 330H
N Escavada Unit 317H
N Escavada Unit 316H
N Escavada Unit 318H
NE Corner (NEW POND)
W Corner (NEW POND)
N Escavada Pond
SE Corner (NEW POND)
SW Corner (NEW POND)
N Escavada Unit 313H
N Escavada Unit 328H
N Escavada Unit 329H
Cathodic Well: Water over 340'
Elevation: 6956 FT.
Shaw COM 1
WEU 302H
Elevation: 6886 FT.
NW Corner
A
WEU 297H
NE Corner
SW Corner
WEU 297 Pond Center Point
SE Corner
© 2018 Google
Google Earth
2704 ft
1997
Imagery Date: 10/13/2017
elev. 6916 ft
eye alt 19198 ft


Registered Mines in New Mexico
NM Mining and Minerals Division
EMNRD Home
Help
Basemap Gallery
Dark Gray Canvas
Imagery
Imagery with Labels
Light Gray Canvas
National Geographic
Oceans
OpenStreetMap
Streets
Terrain with Labels
Topographic
USA Topo Maps
USGS National Map
USGS National Map
36.1327478 -107.589977
Show search results for 36.1327478...
Search result
Y:36.132748 X:-107.589977
Zoom to
Escrito Oil Field
Rio Arriba
Sandoval
595
96
550
CHACO CANYON NATIONAL MOUNUMENT
SAN PEDRO MOUNTAINS
44
Mesa de Cuba
San Isidro Valley
Mesa Portales
NACIMIENT
550
La Ventana Mesa
MESA SAN LUIS
10km
6mi
-108.048 35.636 Degrees
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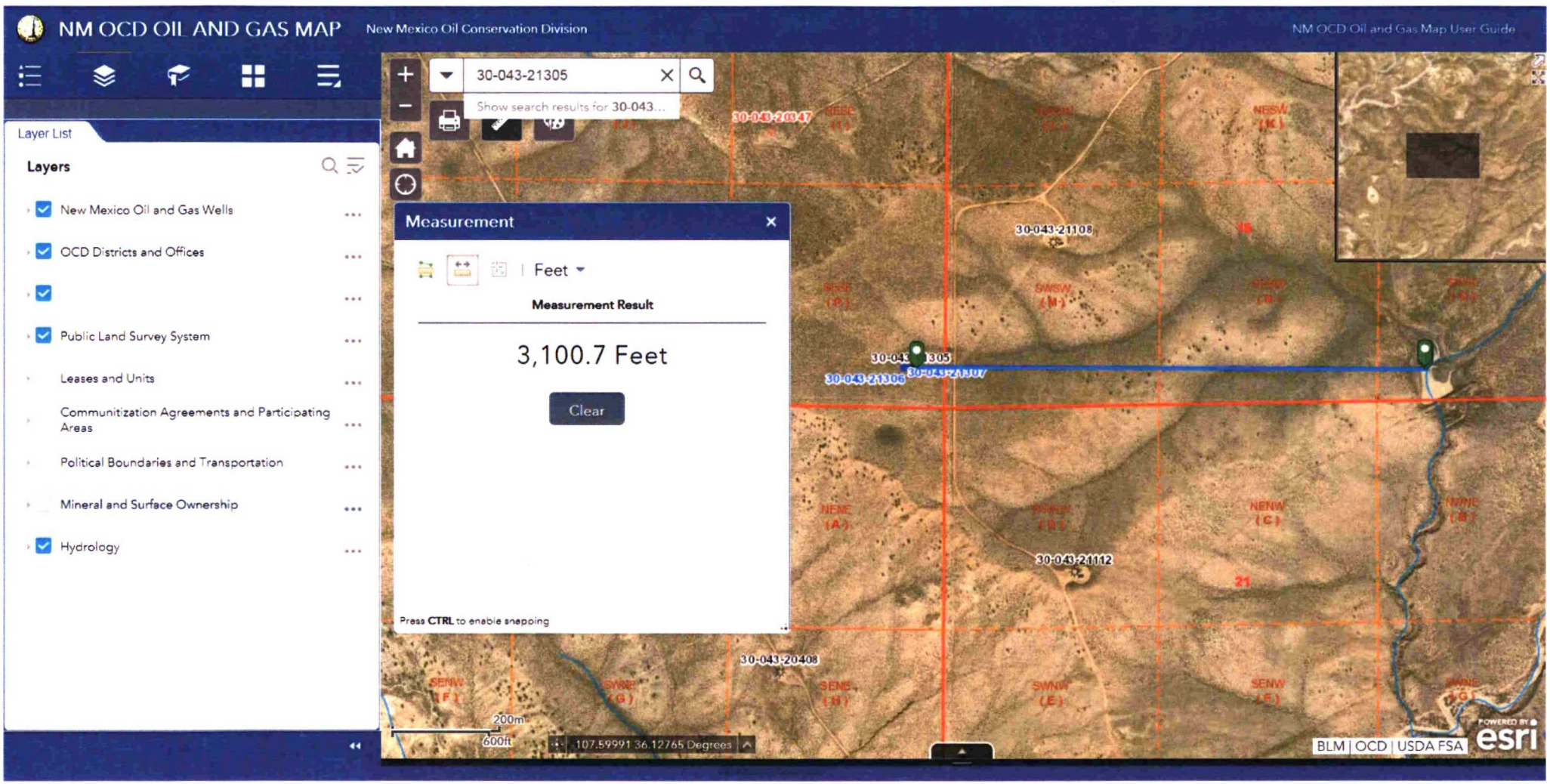
NM OCD OIL AND GAS MAP
New Mexico Oil Conservation Division
NM OCD Oil and Gas Map User Guide
Layer List
Layers
New Mexico Oil and Gas Wells
OCD Districts and Offices
Public Land Survey System
Leases and Units
Communitization Agreements and Participating Areas
Political Boundaries and Transportation
Mineral and Surface Ownership
Hydrology
30-043-21305
Show search results for 30-043...
Measurement
Feet
Measurement Result
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Clear
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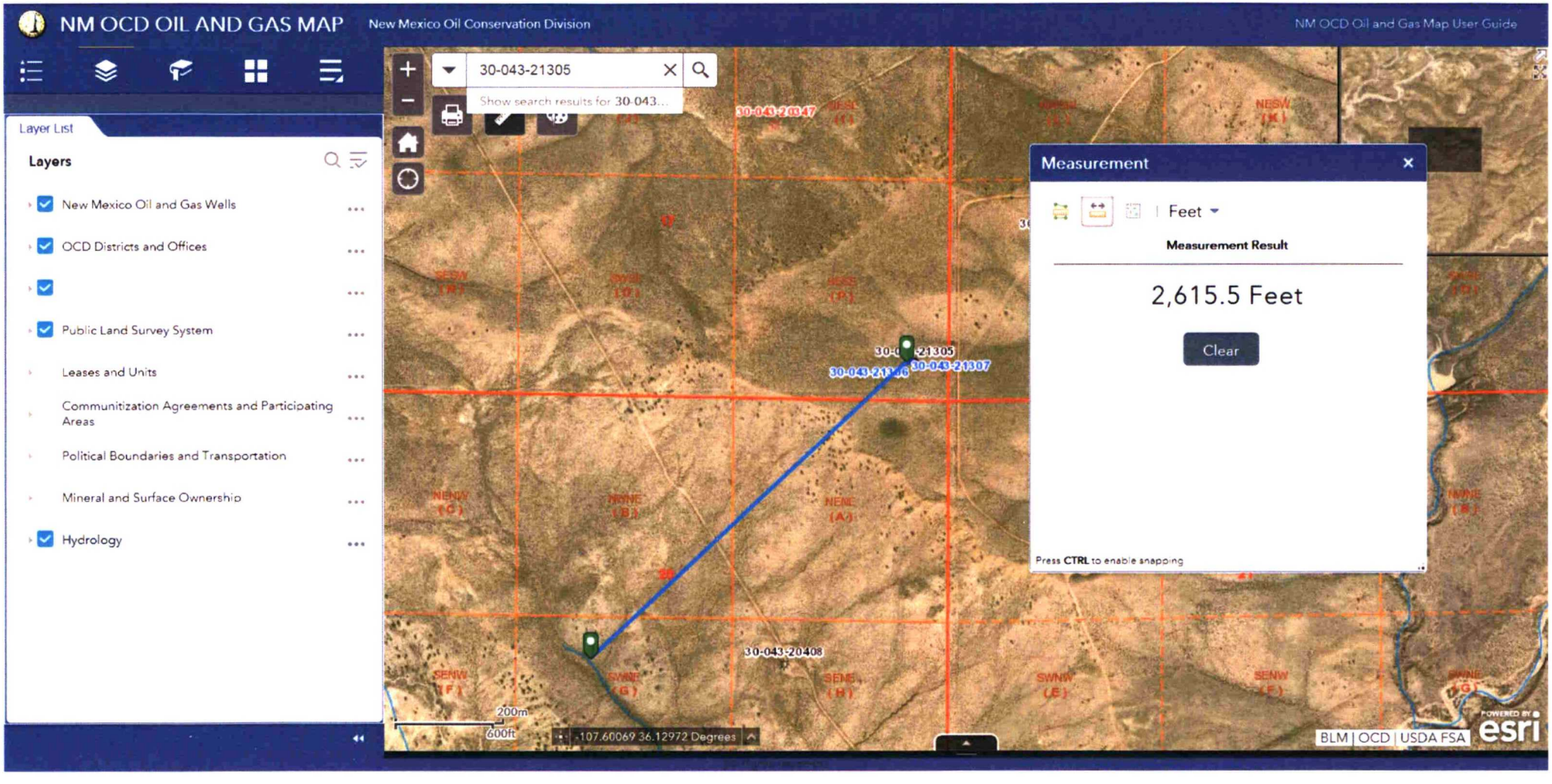
BLM | OCD | USDA FSA
esri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Show search results for 30-043...
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30-043-21306
30-043-21307
30-043-20408
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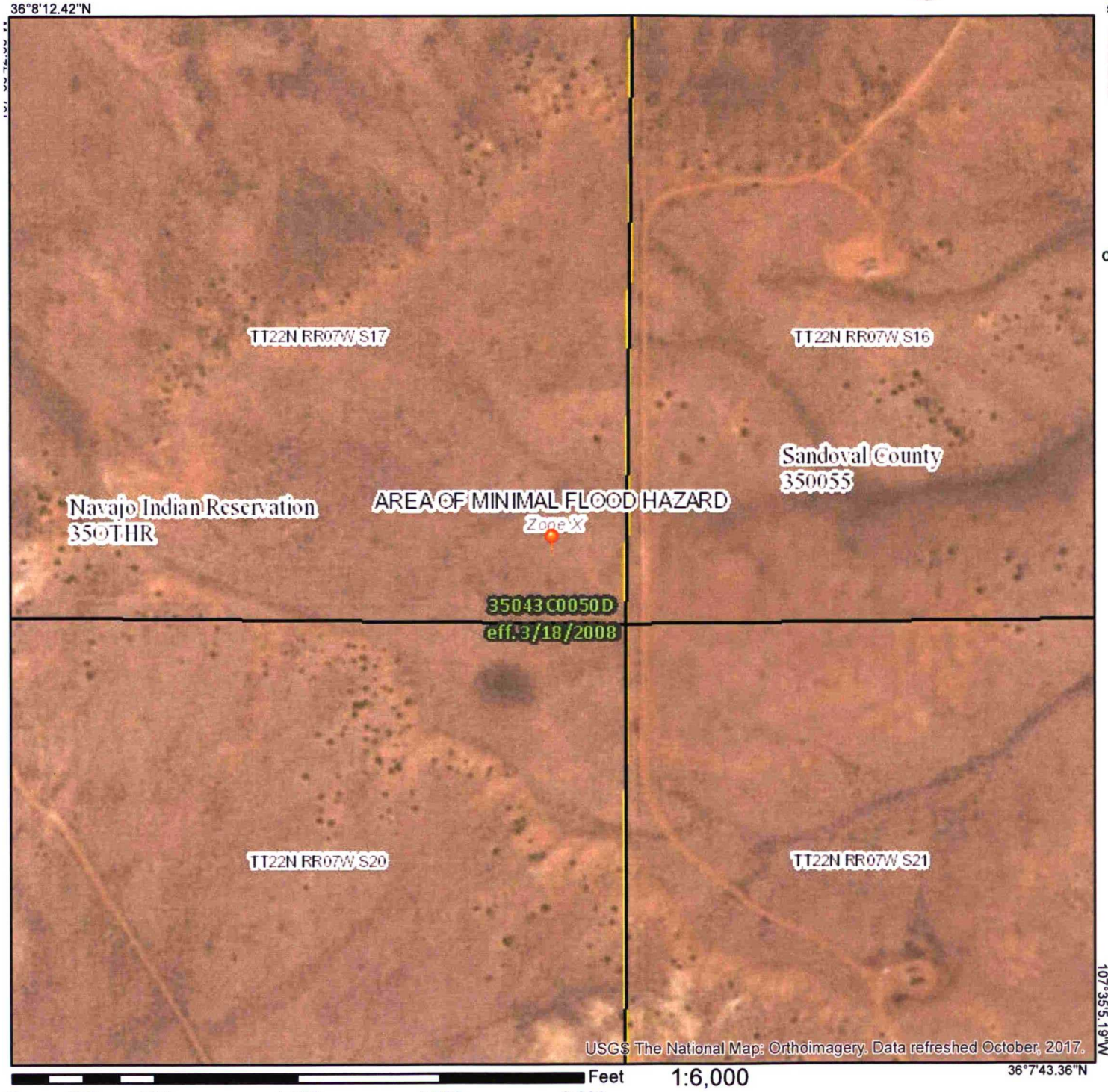
Feet
Measurement Result
2,615.5 Feet
Clear
Press CTRL to enable snapping
200m
600ft
-107.60069 36.12972 Degrees
BLM | OCD | USDA FSA
esri

National Flood Hazard Layer FIRMette

FEMA



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 drainag areas of less than one square mile *Zone*
- 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
- 20.2 / 17.5 — Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/8/2019 at 11:22:33 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.

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envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Enduring Resources, LLC

Chain Of Custody Number:

Samples Received: 2/1/2019 3:35:00PM

Job Number: 17065-0017

Work Order: P902002

Project Name/Location: WEU 302 H

Report Reviewed By: _____ Date: 2/5/19

Walter Hinchman, Laboratory Director

_____ Date: 2/5/19

Tim Cain, Project Manager

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

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Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

Enduring Resources, LLC	Project Name:	WEU 302 H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	02/05/19 15:06

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Section A	P902002-01A	Soil	02/01/19	02/01/19	Glass Jar, 4 oz.
Section B	P902002-02A	Soil	02/01/19	02/01/19	Glass Jar, 4 oz.
Section C	P902002-03A	Soil	02/01/19	02/01/19	Glass Jar, 4 oz.
Section D	P902002-04A	Soil	02/01/19	02/01/19	Glass Jar, 4 oz.
Section E	P902002-05A	Soil	02/01/19	02/01/19	Glass Jar, 4 oz.
Section F	P902002-06A	Soil	02/01/19	02/01/19	Glass Jar, 4 oz.

Enduring Resources, LLC	Project Name:	WEU 302 H	
511 16th Street, Suite 700	Project Number:	17065-0017	**Reported:**
Denver CO, 80202	Project Manager:	Chad Snell	02/05/19 15:06

Section A
P902002-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Total Xylenes	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Benzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*50-150*		*1906002*	*02/04/19*	*02/04/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1906002	02/04/19	02/04/19	EPA 8015D	
Diesel Range Organics (C10-C28)	**282**	25.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Oil Range Organics (C28-C40)	**105**	50.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*50-150*		*1906002*	*02/04/19*	*02/04/19*	*EPA 8015D*	
Surrogate: n-Nonane		*87.8 %*	*50-200*		*1906004*	*02/04/19*	*02/04/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**517**	20.0	mg/kg	1	1906007	02/04/19	02/04/19	EPA 300.0/9056A	

Enduring Resources, LLC	Project Name:	WEU 302 H	
511 16th Street, Suite 700	Project Number:	17065-0017	**Reported:**
Denver CO, 80202	Project Manager:	Chad Snell	02/05/19 15:06

Section B
P902002-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Total Xylenes	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Benzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1906002*	*02/04/19*	*02/04/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1906002	02/04/19	02/04/19	EPA 8015D	
Diesel Range Organics (C10-C28)	49.5	25.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.5 %*		*50-150*	*1906002*	*02/04/19*	*02/04/19*	*EPA 8015D*	
Surrogate: n-Nonane		*85.1 %*		*50-200*	*1906004*	*02/04/19*	*02/04/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	1930	20.0	mg/kg	1	1906007	02/04/19	02/04/19	EPA 300.0/9056A	

Enduring Resources, LLC	Project Name:	WEU 302 H	
511 16th Street, Suite 700	Project Number:	17065-0017	**Reported:**
Denver CO, 80202	Project Manager:	Chad Snell	02/05/19 15:06

Section C

P902002-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Total Xylenes	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Benzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*50-150*		*1906002*	*02/04/19*	*02/04/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1906002	02/04/19	02/04/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*50-150*		*1906002*	*02/04/19*	*02/04/19*	*EPA 8015D*	
Surrogate: n-Nonane		*82.5 %*	*50-200*		*1906004*	*02/04/19*	*02/04/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**2350**	20.0	mg/kg	1	1906007	02/04/19	02/04/19	EPA 300.0/9056A	

Enduring Resources, LLC	Project Name:	WEU 302 H	
511 16th Street, Suite 700	Project Number:	17065-0017	**Reported:**
Denver CO, 80202	Project Manager:	Chad Snell	02/05/19 15:06

Section D
P902002-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Total Xylenes	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Benzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1906002	02/04/19	02/04/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*50-150*		*1906002*	*02/04/19*	*02/04/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1906002	02/04/19	02/04/19	EPA 8015D	
Diesel Range Organics (C10-C28)	**282**	25.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Oil Range Organics (C28-C40)	**125**	50.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*50-150*		*1906002*	*02/04/19*	*02/04/19*	*EPA 8015D*	
Surrogate: n-Nonane		*91.0 %*	*50-200*		*1906004*	*02/04/19*	*02/04/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**1030**	20.0	mg/kg	1	1906007	02/04/19	02/04/19	EPA 300.0/9056A	

Enduring Resources, LLC	Project Name:	WEU 302 H	
511 16th Street, Suite 700	Project Number:	17065-0017	**Reported:**
Denver CO, 80202	Project Manager:	Chad Snell	02/05/19 15:06

Section E
P902002-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Total Xylenes	ND	25.0	ug/kg	1	1906002	02/04/19	02/05/19	EPA 8021B	
Benzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/05/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1906002	02/04/19	02/05/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/05/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1906002	02/04/19	02/05/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1906002	02/04/19	02/05/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*50-150*		*1906002*	*02/04/19*	*02/05/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1906002	02/04/19	02/05/19	EPA 8015D	
Diesel Range Organics (C10-C28)	121	25.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Oil Range Organics (C28-C40)	66.2	50.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*50-150*		*1906002*	*02/04/19*	*02/05/19*	*EPA 8015D*	
Surrogate: n-Nonane		*87.1 %*	*50-200*		*1906004*	*02/04/19*	*02/04/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	466	20.0	mg/kg	1	1906007	02/04/19	02/04/19	EPA 300.0/9056A	

Enduring Resources, LLC	Project Name:	WEU 302 H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	02/05/19 15:06

Section F
P902002-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Total Xylenes	ND	25.0	ug/kg	1	1906002	02/04/19	02/05/19	EPA 8021B	
Benzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/05/19	EPA 8021B	
Toluene	ND	25.0	ug/kg	1	1906002	02/04/19	02/05/19	EPA 8021B	
Ethylbenzene	ND	25.0	ug/kg	1	1906002	02/04/19	02/05/19	EPA 8021B	
p,m-Xylene	ND	50.0	ug/kg	1	1906002	02/04/19	02/05/19	EPA 8021B	
o-Xylene	ND	25.0	ug/kg	1	1906002	02/04/19	02/05/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*50-150*		*1906002*	*02/04/19*	*02/05/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1906002	02/04/19	02/05/19	EPA 8015D	
Diesel Range Organics (C10-C28)	318	25.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Oil Range Organics (C28-C40)	106	50.0	mg/kg	1	1906004	02/04/19	02/04/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*50-150*		*1906002*	*02/04/19*	*02/05/19*	*EPA 8015D*	
Surrogate: n-Nonane		*88.7 %*	*50-200*		*1906004*	*02/04/19*	*02/04/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	501	20.0	mg/kg	1	1906007	02/04/19	02/04/19	EPA 300.0/9056A	

Enduring Resources, LLC	Project Name:	WEU 302 H	
511 16th Street, Suite 700	Project Number:	17065-0017	**Reported:**
Denver CO, 80202	Project Manager:	Chad Snell	02/05/19 15:06

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1906002 - Purge and Trap EPA 5030A										
Blank (1906002-BLK1)				Prepared: 02/04/19 0 Analyzed: 02/04/19 1						
Total Xylenes	ND	25.0	ug/kg							
Benzene	ND	25.0	"							
Toluene	ND	25.0	"							
Ethylbenzene	ND	25.0	"							
p,m-Xylene	ND	50.0	"							
o-Xylene	ND	25.0	"							
Surrogate: 4-Bromochlorobenzene-PID	*8140*		"	*8000*		*102*	*50-150*			
LCS (1906002-BS1)				Prepared: 02/04/19 0 Analyzed: 02/04/19 1						
Total Xylenes	16300	25.0	ug/kg	15000		109	70-130			
Benzene	4990	25.0	"	5000		99.8	70-130			
Toluene	5060	25.0	"	5000		101	70-130			
Ethylbenzene	5390	25.0	"	5000		108	70-130			
p,m-Xylene	11200	50.0	"	10000		112	70-130			
o-Xylene	5150	25.0	"	5000		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8090*		"	*8000*		*101*	*50-150*			
Matrix Spike (1906002-MS1)		Source: P902001-01		Prepared: 02/04/19 0 Analyzed: 02/04/19 2						
Total Xylenes	16100	25.0	ug/kg	15000	ND	107	63.3-131			
Benzene	4850	25.0	"	5000	ND	97.1	54.3-133			
Toluene	4990	25.0	"	5000	ND	99.8	61.4-130			
Ethylbenzene	5310	25.0	"	5000	ND	106	61.4-133			
p,m-Xylene	11000	50.0	"	10000	ND	110	63.3-131			
o-Xylene	5050	25.0	"	5000	ND	101	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	*8150*		"	*8000*		*102*	*50-150*			
Matrix Spike Dup (1906002-MSD1)		Source: P902001-01		Prepared: 02/04/19 0 Analyzed: 02/04/19 2						
Total Xylenes	16600	25.0	ug/kg	15000	ND	110	63.3-131	3.00	20	
Benzene	5040	25.0	"	5000	ND	101	54.3-133	3.80	20	
Toluene	5120	25.0	"	5000	ND	102	61.4-130	2.54	20	
Ethylbenzene	5460	25.0	"	5000	ND	109	61.4-133	2.79	20	
p,m-Xylene	11300	50.0	"	10000	ND	113	63.3-131	2.84	20	
o-Xylene	5220	25.0	"	5000	ND	104	63.3-131	3.34	20	
Surrogate: 4-Bromochlorobenzene-PID	*8160*		"	*8000*		*102*	*50-150*			

Enduring Resources, LLC	Project Name:	WEU 302 H	
511 16th Street, Suite 700	Project Number:	17065-0017	**Reported:**
Denver CO, 80202	Project Manager:	Chad Snell	02/05/19 15:06

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1906002 - Purge and Trap EPA 5030A										
Blank (1906002-BLK1)				Prepared: 02/04/19 0 Analyzed: 02/04/19 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		"	*8.00*		*94.1*	*50-150*			
LCS (1906002-BS2)				Prepared: 02/04/19 0 Analyzed: 02/04/19 1						
Gasoline Range Organics (C6-C10)	56.9	20.0	mg/kg	50.0		114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		"	*8.00*		*97.2*	*50-150*			
Matrix Spike (1906002-MS2)		**Source: P902001-01**		Prepared: 02/04/19 0 Analyzed: 02/04/19 2						
Gasoline Range Organics (C6-C10)	63.7	20.0	mg/kg	50.0	ND	127	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		"	*8.00*		*96.5*	*50-150*			
Matrix Spike Dup (1906002-MSD2)		**Source: P902001-01**		Prepared: 02/04/19 0 Analyzed: 02/04/19 2						
Gasoline Range Organics (C6-C10)	55.6	20.0	mg/kg	50.0	ND	111	70-130	13.6	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		"	*8.00*		*96.5*	*50-150*			

Enduring Resources, LLC	Project Name:	WEU 302 H	
511 16th Street, Suite 700	Project Number:	17065-0017	**Reported:**
Denver CO, 80202	Project Manager:	Chad Snell	02/05/19 15:06

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1906004 - DRO Extraction EPA 3570										
Blank (1906004-BLK1)				Prepared & Analyzed: 02/04/19 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*53.0*		"	*50.0*		*106*	*50-200*			
LCS (1906004-BS1)				Prepared & Analyzed: 02/04/19 1						
Diesel Range Organics (C10-C28)	422	25.0	mg/kg	500		84.4	38-132			
Surrogate: n-Nonane	*45.4*		"	*50.0*		*90.8*	*50-200*			
Matrix Spike (1906004-MS1)		**Source: P902001-01**		Prepared & Analyzed: 02/04/19 1						
Diesel Range Organics (C10-C28)	444	25.0	mg/kg	500	ND	88.8	38-132			
Surrogate: n-Nonane	*47.1*		"	*50.0*		*94.2*	*50-200*			
Matrix Spike Dup (1906004-MSD1)		**Source: P902001-01**		Prepared & Analyzed: 02/04/19 1						
Diesel Range Organics (C10-C28)	444	25.0	mg/kg	500	ND	88.8	38-132	0.000357	20	
Surrogate: n-Nonane	*45.0*		"	*50.0*		*90.0*	*50-200*			

Enduring Resources, LLC	Project Name:	WEU 302 H	
511 16th Street, Suite 700	Project Number:	17065-0017	**Reported:**
Denver CO, 80202	Project Manager:	Chad Snell	02/05/19 15:06

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1906007 - Anion Extraction EPA 300.0/9056A										
Blank (1906007-BLK1)				Prepared & Analyzed: 02/04/19 1						
Chloride	ND	20.0	mg/kg							
LCS (1906007-BS1)				Prepared & Analyzed: 02/04/19 1						
Chloride	254	20.0	mg/kg	250		102	90-110			
Matrix Spike (1906007-MS1)	Source: P902001-01			Prepared & Analyzed: 02/04/19 1						
Chloride	416	20.0	mg/kg	250	144	109	80-120			
Matrix Spike Dup (1906007-MSD1)	Source: P902001-01			Prepared & Analyzed: 02/04/19 1						
Chloride	402	20.0	mg/kg	250	144	103	80-120	3.32	20	

Enduring Resources, LLC	Project Name:	WEU 302 H	
511 16th Street, Suite 700	Project Number:	17065-0017	Reported:
Denver CO, 80202	Project Manager:	Chad Snell	02/05/19 15:06

Notes and Definitions

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

Project Information | Chain of Custody | Page 1 of 1

Client:	Enduring Resources
Project:	WEU 302H
Project Manager:	Chad Snell
Address:	200 Energy Court
City, State, Zip	Farmington, NM 87401
Phone:	(505) 444-0586
Email:	CSnell@EnduringResources.com

Report Attention

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

Lab Use Only

Lab WO#	Job Number
P902002	17065-0017

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	Remarks
10:25am	2-1-19	S	1	Section A	1	X	X	X			X		
10:30am	2-1-19	S	1	Section B	2	X	X	X			X		
10:35am	2-1-19	S	1	Section C	3	X	X	X			X		
10:40am	2-1-19	S	1	Section D	4	X	X	X			X		
10:50am	2-1-19	S	1	Section E	5	X	X	X			X		
11:00am	2-1-19	S	1	Section F	6	X	X	X			X		

Additional Instructions: V-4 ice in cooler

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: Chad Snell 2-1-19

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2-1-19	3:35pm		2/1/19	1535
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: Y / N

T1 6.4 T2 6.4 T3 5.0

AVG Temp °C 4.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

envirotech Analytical Laboratory
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Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 | Ph (970) 259-0615 Fx (800) 362-1879