



**APOLLO A CENTRAL TANK BATTERY
CLOSURE REQUEST**

**API No. 30-025-47427
LEGALS: U/L-L, SECTION 21, TOWNSHIP 24S, RANGE 33E
LEA COUNTY, NM 88240**

**DATE OF RELEASE: 12/03/2021
INCIDENT No. NAPP2133854148**

July 11, 2022

PREPARED BY:



**2724 NW COUNTY ROAD
HOBBS, NM 88240
575-393-9048**

July 11th, 2022

New Mexico Energy, Minerals & Natural Resources
NMOCD District I
C/O Mike Bratcher, Robert Hamlet & Jennifer Nobui
1625 N. French Drive
Hobbs, NM 88240

Tap Rock Operating, LLC
C/O Christian Combs
523 Park Point Drive
Golden, CO 80401

Subject: Closure – Apollo A Central Tank Battery

API No. 30-025-47427
Incident No. NAPP2133854148
Unit Letter L, Section 9, Township 24 South, Range 33 East
Lea County, New Mexico

To Whom it May Concern:

Tap Rock Operating has retained Energy Staffing Services (ESS), to conduct a spill assessment, delineation, and remediation for the Apollo A Central Tank Battery (hereafter referred to as the “Apollo”) for the produced water release that occurred on December 3rd, 2021. ESS provided the immediate notification of the release to the New Mexico Oil Conservation Division (NMOCD), District I Office, via email on December 4th, 2021 at 1:22 p.m. (Notification attached). On behalf of Tap Rock Operating, ESS also submitted the initial C141 Release Notification, along with the spill calculator form used to determine the volume of the release (attached) on same said date and assigned the NMOCD Incident ID Number of nAPP2133854148 to this release (attached).

This report provides a detailed description of the spill assessment, delineation and remedial activities conducted at the Apollo and demonstrates that the closure criteria has been established in the 19.15.29.12 *New Mexico Administrative Code (NMAC: New Mexico Oil Conservation Division, 2018)* have been met and all applicable regulations have been followed. This document is intended to serve as the final report to obtain approval from the NMOCD for the closure of the above-mentioned release.

Incident Description

On December 3rd, of 2021 around 4:30 p.m., a release was found to be active at the Apollo site. NGL Energy Partners were excavating on the Apollo production pad to install a meter on NGL's line at the facility. Upon excavating out the trench, the operator struck a 10" water line belonging to NGL causing the release. All fluid remained in the excavation trenched area. A vacuum truck was dispatched out to the site to recover the standing fluids. All of the fluid remained on the pad and did not affect any pasture area, road, or waterways.

ESS conducted a full site assessment upon being immediately called to the site. Upon arrival ESS observed that NGL did strike their own line, the trenched area was full of produced water from surface to about 8' bgs where the line was located. Crews worked through the night to repair the water line. Approximately 21.69 bbls of produced water was released with recovering approximately 17 bbls of produced water. These volumes were verified and determined by both Tap Rock Production Staff and ESS Staff. The area of impact was measured to be 137 sq. ft. which is the open trenched area and there was a stockpile of saturated soil measuring 62.1 sq. ft. that was placed on plastic after the fluids were recovered and the area around the line was excavated. Please see the attached impact map. Note that the map does not show the pad due to satellites not being updated at this time with the new location.

Site Characterization

The release at the Apollo occurred on State Land and is located at latitude 32.19982 and longitude -103.58376, 23.95 miles northwest of Jal, New Mexico. The legal description for the site is Unit Letter L, Section 21, Township 24S and Range 33E, in Lea County, New Mexico. Please see the site map attached.

The Apollo consists of oil and gas production equipment, of which the well sits on an active production facility pad. Please note that this is a new facility and recent satellite imagery is not available in this area. This area is historically black grama, dropseed, bush muhly and other perennial grasses. Please see the *Rangeland and Vegetation Classification* information attached.

The *United States Department of Agriculture Natural Resources Conservation Service*, indicates that the soil type found in the area of the Apollo, consists of .3% of Berino-Cacique loamy fine sands association and 99.7% of Pyote and Maljamar fine sands. (Soil Map Attached). In the area of the Apollo the *FEMA National Flood Hazard Layer*, indicates that there is 0.2% annual chance of a flood hazard in the area of the Apollo (see FEMA map attached).

There is “low potential” for Karst Geology to be present near the Apollo site, according to the *United States Department of the Interior, Bureau of Land Management*. Please find the Karst Map attached herein.

There is no surface water located near or around the Apollo. The site is not near a continuously flowing watercourse and or lakebed within ½ a mile from the point of release. No other critical or community features at the Apollo were found. (Attached Watercourse Map).

The nearest and most recent water well to the site according to the *New Mexico Office of the State Engineer* is C 04339 POD 7, drilled in 2019 shows that the water well depth is 43’bgs with no water data available. This is also the information found for POD8 and POD1 for C 04339. C03565 POD 8 was drilled in 2013 but no final finish date or groundwater information is available. C03565 POD 3 shows that the well was drilled in 2012 and has a water depth of 1533’bgs. This is a typo as no water in Lea County is that deep. All of the wells listed above range from 2940’ to 3177’ from the site. An extended groundwater search was conducted using the *OSE POD Location Mapping System* and it has been determined that there are no wells inside the ½ mile radius of the Apollo release site. Please find the NMOSE, OSE POD and the groundwater map attached to this report.

Closure Criteria Determination

The Closure Criteria for Soils Impacted by a Release is shown in the below chart. No groundwater data was found within a ½ a mile radius from the release point, being on State Land and with having a “low karst potential” the site fell under <50’ to ground water. This is only due to not having any recent or available water depths.

DGW	Constituent	Method	Limit
≤ 50'	Chloride	EPA 300.0 OR SM4500 CLB	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 METHOD 8015M	100 mg/kg
	GRO + DRO	EPA SW-846 METHOD 8015M	50 mg/kg
	BTEX	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg
	Benzene	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg

Soil Remediation Action Levels

ESS has provided sufficient data that this release has impacted the soil at the Apollo and that the protocol is consistent with the remediation/abatement goals and objectives set forth in the *NMOCD Closure Criteria for Soils Impacted by a Release, dated August 14, 2018*.

The guidance document provides direction for Tap Rock's initial response actions, site assessment and sample procedures conducted by ESS Staff. We would like to present to you the following information concerning the delineation process for the release detailed herein.

Soil Sampling Procedures

Soil sampling for laboratory analysis was conducted according to the NMOCD – approved industry standards. Accepted NMOCD soil sampling procedures and laboratory analytical methods are as follows:

- Collect clean samples in airtight glass jars supplied by the laboratory to conduct the analysis
- Each sample jar was labelled with site and sample information
- Samples were kept in and stored in a cool place and packed on ice
- Promptly ship sample to the lab for analysis following the chain of custody procedures

The following lab analysis method was used for each bottom hole (vertical) and sidewall sample (horizontal) was submitted to Envirotech Analytical Laboratory:

Volatile Organics by EPA 8021B

- Benzene, Toluene, Ethylbenzene, p.m. Xylene, o-Xylene and Total Xylenes

Nonhalogenated Organics by EPA 8015D – GRO

- Gasoline Range Organics (C6-C10)

Nonhalogenated Organics by EPA 8015D – DRO/ORO

- Diesel Range Organics (C10-C28)
- Oil Range Organics (C28-C40)

Anions by EPA 300.0/9056A

- Chloride

Release Investigation Data Evaluation

On December 3rd, ESS staff was dispatched out to the Apollo, to assist production staff in determining the cause and volume of the release. Initial site photos were obtained, and the following information was determined:

- The struck line was due to NGL Water Solutions, not knowing where their line was located, and excavation crews did not spot their line before excavating with a track-hoe.
- Vacuum trucks were dispatched out immediately to recover standing fluids.
- NGL crews continued to excavate around their line to fully expose to make the appropriate repairs needed to get production back online.

- Contaminated soil was stockpiled in two different areas
- No fluid entered any road area, pasture area or surface water playa, lakes, or other watercourses.

ESS crews obtained a Geo Measure of the release area, impact map attached. After NGL had repaired their line, ESS crews arrived on location on December 14th of 2021. Due to the depth of the previously excavated area, ESS along with safety crews entered the area to obtain surface samples by utilizing a Confined Space Permit due to unstable walls and excavation area by use of a lanyard system. Trucks were brought in to remove the previously excavated contaminated soil and hauled it to Owl Disposal (132 cy of contaminated soil). Surface and sidewall samples were obtained by use of hand-auger, field evaluated and delivered to the Envirotech Laboratories for confirmation. Please keep in mind that the original samples were from the previous excavated area. This was done to determine a baseline of the contamination that was left behind after NGL repaired the 10" line and had excavated out the saturated soils. Four surface samples (surface of pad, around the edge of the excavation), five bottom excavation surface samples were obtained at 10'bgs (lowest excavation point completed by NGL) and four sidewall samples taken at 4'bgs and 8'bgs were field tested and submitted to the lab for confirmation. Below you will find the initial sample information that was used to determine a baseline of contaminants left behind by NGL.

BASELINE SAMPLE DATA OF NGL'S EXCAVATION

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURF	1400	ND	ND	ND	ND	ND	ND	1480
SP2	SURF	320	ND	ND	ND	ND	ND	ND	301
SP3	SURF	1200	ND	ND	ND	ND	ND	ND	1150
SP4	SURF	3600	ND	ND	ND	ND	ND	ND	3490
BTM 1	10'	4000	ND	ND	ND	ND	ND	ND	3590
BTM 2	10'	>4000	ND	ND	ND	ND	ND	ND	4380
BTM 3	10'	>4000	ND	ND	ND	ND	ND	ND	4680
BTM 4	10'	>4000	ND	ND	ND	ND	ND	ND	5940
BTM 5	10'	>4000	ND	ND	ND	ND	ND	ND	6800
NSW	4'	>4000	ND	0.0506	ND	ND	ND	ND	5720
NSW	8'	>4000	ND	ND	ND	ND	ND	ND	5560
ESW	4'	>4000	ND	ND	ND	ND	ND	ND	6800
ESW	8'	>4000	ND	0.0282	ND	ND	ND	ND	7900
SSW	4'	>4000	ND	0.0425	ND	ND	ND	ND	46500
SSW	8'	>4000	ND	0.0671	ND	ND	ND	ND	36700
WSW	4'	>4000	ND	ND	ND	ND	ND	ND	34700
WSW	8'	>4000	ND	ND	ND	ND	ND	ND	5880

SP ID's taken on top edge of excavation on the surface, BTM ID's taken from the bottom of the excavated area and sidewall id's taken from the wall inside the excavated area that was dug out by NGL.

Four sample points were placed outside the NGL excavation in each quadrant direction and was delineated down to 4'bgs, field samples and submitted to Envirotech Laboratory for confirmation. No contamination was found outside the NGL excavated area. These samples were 10' each direction outside the wall of the excavation. On SP1, we hit refusal by use of hand auger due to the restrictions of the production equipment next to the containment and lact unit. The 4' sample was not obtained, and crews left out the 3' sample going to the lab. This area was clean of contaminants. Below you will see the sample data for the area outside the excavation. With the below sample data, it is evident that the contamination was confined in the excavation area only.

DELINEATION OUTSIDE THE NGL EXCAVATION

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURF	60	ND	ND	ND	ND	ND	ND	ND
	1'	60							
	2'	20							
	3'	20							
	4'								
SP2	SURF	60	ND	ND	ND	ND	ND	ND	ND
SP2	1'	40							
SP2	2	40							
SP2	3'	20							
SP2	4'	ND	ND	ND	ND	ND	ND	ND	ND
SP3	SURF	40	ND	ND	ND	ND	ND	ND	25.9
	1'	40							
	2'	20							
	3'	ND							
	4'	ND	ND	ND	ND	ND	ND	ND	ND
SP4	SURF	1400	ND	ND	ND	ND	ND	ND	1430
	1'	400							
	2'	120							
	3'	40							
SP4	4'	ND	ND	ND	ND	ND	ND	ND	ND

On February 22nd of 2022, ESS mobilized backout to the Apollo site and began benching out the walls of the excavation to safely continue delineation of the site. The waiting period between

the December sampling event and February of 2022 event was due to infrastructure work being conducted around the facility. Due to the area that was excavated when the line was struck and entrance into the pad was inaccessible for crews to safely conduct delineation.

On March 9th, an extension request was submitted, and was approved (see attached email). Crews continued to bench out the area and free the area of contamination. Due to the accessibility issues with the overhead flare lines, NGL Pipe, infrastructure crews were unable to enter the hole safely to further delineate by use of hand-auger. At this time, ESS met with Tap Rock safety and it was determined that further excavation would be done after contaminants were excavated deeper by use of track-hoe around the restrictions, then samples would be gathered using the equipment and not personnel entering the excavation area. At this time, two sample points were labelled Bottom North and Bottom Central. The area started at 10' bgs and continued until clean samples were obtained. The Bottom North sample point cleaned up at 18' bgs with no detection of TPH and chlorides were 180 mg/kg. The Bottom Central sample point cleaned up at 12' bgs, with no detection of BTEX or TPH, with chlorides being at 271 mg/kg. Please see the below sample data and lab confirmation information.

ESS Excavation Delineation Sample Data

SP ID	Depth	Titre	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
BN	10'	1460	ND						
	12'	1280	ND						
	14'	960	ND						
	16'	560	ND						
	18'	240	ND	ND	ND	ND	ND	ND	180
BC	10'	480	ND						
	12'	320	ND	ND	ND	ND	ND	ND	271

At this time, the remainder of the contaminated soil that was excavated during the above delineation process was loaded and hauled to disposal, with an additional yardage of 204 cy of contaminated soil for a total of 336 cy of contaminated soil.

On March 15th, the Composite Notification was submitted to the OCD via email at 1:14pm. On March 17th, ESS crews arrived on location to conduct composite sampling by use of track-hoe due to safety precautions.

COMPOSITE SAMPLE DATA

SP ID	Depth	Titre	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
COMP1	12'	12	ND	ND	ND	ND	ND	ND	34.7
COMP2	16'	60	ND	ND	ND	ND	ND	ND	61.2
COMP3	14'	40	ND	ND	ND	ND	ND	ND	47.8
SW COMP1		60	ND	ND	ND	ND	ND	ND	41.5
SW COMP2		40	ND	ND	ND	ND	ND	ND	40.1
SW COMP3		48	ND	ND	ND	ND	ND	ND	41.9
SW COMP4		46	ND	ND	ND	ND	ND	ND	45.1

The impacted area was excavated from 12' to 16'bgs. With the above composite analysis confirming that the area is clear of contaminants, backfilling commenced. On June 1st, another extension was submitted and approved, see attached email for details. The buried lines were padded with sand, line detector tape was placed directly on the lines and 2' from the surface of the pad. The remaining areas of the excavation were backfilled using clean imported caliche. The facility pad was contoured back to its natural state, water and compacted.

Closure Request

On behalf of Tap Rock, ESS requests that this incident (NAPP2133854148) be closed for the release that occurred on the production pad of the Apollo. Tap Rock and ESS certifies that all of the information provided and that is detailed in this report, is true and correct. We have complied with all applicable closure requirements for the release on the Apollo A CTB.

After review of this report if you have any questions or concerns, please do not hesitate to contact the undersigned at (575) 390-6397 or (575) 393-9048. You may also email any issues to natalie@energystaffingllc.com

Sincerely,



Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road

Hobbs, NM 88240

Office: 575-393-9048

Cell: 575-390-6397

Email: natalie@energystaffingllc.com



Attachments:

- Spill Notification Email
- Initial C141
- Spill Calculator Sheet
- NMOCD Approved C141 Email
- Rangeland and Vegetation Classification
- Soil Map
- FEMA Flood Map
- Karst Map
- Watercourse Map
- Groundwater Data and Groundwater Map
- OSE Groundwater Map
- Initial Photos
- Impact Map
- Delineation Site Photos
- Delineation Sample Map
- Delineation Sample Data and Sample GPS
- Extension and Composite Correspondence
- Composite Sample Data and Sample GPS
- Composite Map
- Lab Analysis
- Remediation and Final Photos
- Final C141

Natalie Gladden

From: natalie@energystaffingllc.com
Sent: Saturday, December 4, 2021 1:22 PM
To: 'ocdonline, emnrd, EMNRD'; Bratcher, Mike, EMNRD; robert.hamlet@state.nm.us; 'Hensley, Chad, EMNRD'
Cc: 'Christian Combs'; 'Bill Ramsey'; dakoatah@energystaffingllc.com
Subject: Tap Rock - Apollo A CTB

Importance: High

All,

On behalf of Tap Rock Operating, ESS is sending this email to notify the NMOCD of a release that occurred on the Apollo A CTB.

DOR: 12/03/2021 – approximately 4:30pm

Closest Well to Facility: Apollo State Com 201H

API No. 30-025-47427

Cause of release: NGL Energy Partners was excavating on the Apollo A CTB pad to install a meter on NGL's line at the facility. Upon excavating out the trench, the operator struck a 10" water line belonging NGL causing the release. All fluid remained in the excavated trench area. A vacuum truck was dispatch out to recover the standing fluid. Approximately 21.69bbls of produced water was released and 17bbls was recovered.

ESS will be out next week to begin delineation of the site once the one-call is cleared. A C141 along with the spill calculator will be uploaded shortly. If you have any questions or concerns, please do not hesitate to contact me at any time.

Sincerely,

Natalie Gladden

Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road

Hobbs, NM 88240

Cell: 575-390-6397

Email: natalie@energystaffingllc.com

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

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Tap Rock Resources	OGRID 372043
Contact Name Christian Combs	Contact Telephone (720) 360-4028
Contact email ccombs@taprk.com	Incident # <i>(assigned by OCD)</i>
Contact mailing address 523 Park Point Dr. #200 Golden CO, 80401	

Location of Release Source

Latitude **32.19982**Longitude **-103.58376***(NAD 83 in decimal degrees to 5 decimal places)*

Site Name Apollo A Central Tank Battery (Closest Well: Apollo State Com #201H)	Site Type Production Facility
Date Release Discovered 12/03/2021	API# <i>(if applicable)</i> 30-025-47427

Unit Letter	Section	Township	Range	County
L	21	24S	33E	Lea

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) 21.69bbls	Volume Recovered (bbls) 17bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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

NGL Energy Partners was excavating on the Apollo A CTB pad to install a meter on NGL's line at the facility. Upon excavating out the trench, the operator struck a 10" water line belonging NGL causing the release. All fluid remained in the excavated trench area. A vacuum truck was dispatch out to recover the standing fluid. All fluid remained on the Apollo A CTB facility pad.

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: Natalie Gladden Title: Director of Environmental & Regulatory Services

Signature:  Date: 12/4/2021

email: natalie@energystaffingllc.com Telephone: 575-390-6397

OCD Only

Received by: _____ Date: _____

Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15	10	10	0.083	8.3	0.22	Clay
Peat	0.40	10	10	0.083	8.3	0.59	Peat
Glacial Sediments	0.13	10	10	0.083	8.3	0.19	Glacial Sediments
Sandy Clay	0.12	10	10	0.083	8.3	0.18	Sandy Clay
Silt	0.16	10	10	0.083	8.3	0.24	Silt
Loess	0.25	10	10	0.083	8.3	0.37	Loess
Fine Sand	0.16	10	10	0.083	8.3	0.24	Fine Sand
Medium Sand	0.25	10	10	0.083	8.3	0.37	Medium Sand
Coarse Sand	0.26	10	10	0.083	8.3	0.38	Coarse Sand
Gravelly Sand	0.26	10	10	0.083	8.3	0.38	Gravelly Sand
Fine Gravel	0.26	10	10	0.083	8.3	0.38	Fine Gravel
Medium Gravel	0.20	10	10	0.083	8.3	0.30	Medium Gravel
Coarse Gravel	0.18	14.97	9.03	5	675.8955	21.69	Coarse Gravel
Sandstone	0.25	10	10	0.083	8.3	0.37	Sandstone
Siltstone	0.18	10	10	0.083	8.3	0.27	Siltstone
Shale	0.05	10	10	0.083	8.3	0.07	Shale
Limestone	0.13	10	10	0.083	8.3	0.19	Limestone
Basalt	0.19	10	10	0.083	8.3	0.28	Basalt
Volcanic Tuff	0.20	10	10	0.083	8.3	0.30	Volcanic Tuff
Standing Liquids	X	10	10	0.083	8.3	1.48	Standing Liquids

1	2	3	4	5	6
0.083	0.166	0.250	0.332	0.415	0.500
7	8	9	10	11	12
0.581	0.664	0.750	0.830	0.913	1.000

NOTE: This is an **estimate** tool designed for quick field estimates or whether a C-141 should be required (i.e. a release is estimated to be greater than or less than 5 barrel volumes)

Choose the one prevailing ground type for estimating spill volumes at a single location.

Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

Cubic Feet = L x W x D

Estimated Barrels = ((Cubic Feet x Porosity) / 5.61)

Natalie Gladden

From: OCDOnline@state.nm.us
Sent: Saturday, December 4, 2021 3:03 PM
To: natalie@energystaffingllc.com
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 64997

To whom it may concern (c/o Natalie Gladden for TAP ROCK OPERATING, LLC),

The OCD has accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2133854148, with the following conditions:

- **When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.**

Please reference nAPP2133854148, on all subsequent C-141 submissions and communications regarding the remediation of this release.

NOTE: As of December 2019, NMOCD has discontinued the use of the "RP" number.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

ocd.enviro@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition

In areas that have similar climate and topography, differences in the kind and amount of rangeland or forest understory vegetation are closely related to the kind of soil. Effective management is based on the relationship between the soils and vegetation and water.

This table shows, for each soil that supports vegetation, the ecological site, plant association, or habitat type; the total annual production of vegetation in favorable, normal, and unfavorable years; the characteristic vegetation; and the average percentage of each species. An explanation of the column headings in the table follows.

An *ecological site*, *plant association*, or *habitat type* is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time throughout the soil development process; a characteristic hydrology, particularly infiltration and runoff that has developed over time; and a characteristic plant community (kind and amount of vegetation). The hydrology of the site is influenced by development of the soil and plant community. The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. The plant community on an ecological site, plant association, or habitat type is typified by an association of species that differs from that of other ecological sites, plant associations, or habitat types in the kind and/or proportion of species or in total production. Descriptions of ecological sites are provided in the Field Office Technical Guide, which is available in local offices of the Natural Resources Conservation Service (NRCS). Descriptions of plant associations or habitat types are available from local U.S. Forest Service offices.

Total dry-weight production is the amount of vegetation that can be expected to grow annually in a well managed area that is supporting the potential natural plant community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's growth of leaves, twigs, and fruits of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation for favorable, normal, and unfavorable years. In a favorable year, the amount and distribution of precipitation and the temperatures make growing conditions substantially better than average. In a normal year, growing conditions are about average. In an unfavorable year, growing conditions are well below average, generally because of low available soil moisture. Yields are adjusted to a common percent of air-dry moisture content.

Characteristic vegetation (the grasses, forbs, shrubs, and understory trees that make up most of the potential natural plant community on each soil) is listed by common name. Under *rangeland composition and forest understory*, the expected percentage of the total annual production is given for each species making up the characteristic vegetation. The percentages are by dry weight for rangeland. Percentages for forest understory are by either dry weight or canopy cover. The amount that can be used as forage depends on the kinds of grazing animals and on the grazing season.

Range management requires knowledge of the kinds of soil and of the potential natural plant community. It also requires an evaluation of the present range similarity index and rangeland trend. Range similarity index is determined by comparing the present plant community with the potential natural plant community on a particular rangeland ecological site. The more closely the existing community resembles the potential community, the higher the range similarity index. Rangeland trend is defined as the direction of change in an existing plant community relative to the potential natural plant community. Further information about the range similarity index and rangeland trend is available in the "National Range and Pasture Handbook," which is available in local offices of NRCS or on the Internet.

The objective in range management is to control grazing so that the plants growing on a site are about the same in kind and amount as the potential natural plant community for that site. Such management generally results in the optimum production of vegetation, control of undesirable brush species, conservation of water, and control of erosion. Sometimes, however, an area with a range similarity index somewhat below the potential meets grazing needs, provides wildlife habitat, and protects soil and water resources.

Reference:

United States Department of Agriculture, Natural Resources Conservation Service, [National range and pasture handbook](#).

Report—Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition



**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

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Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition---Lea County, New Mexico

APOLLO A CTB

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition—Lea County, New Mexico								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition		
		Favorable year	Normal year	Unfavorable year			Rangeland	Forest understory
		Lb/ac	Lb/ac	Lb/ac		Pct dry wt	Pct dry wt	
BE—Berino-Cacique loamy fine sands association								
Berino	Loamy Sand (R042XC003NM)	650	—	225	black grama	25		
					dropseed	15		
					other perennial grasses	15		
					bush muhly	10		
					annual grasses	5		
					cane bluestem	5		
					other shrubs	5		
					other annual forbs	5		
					other perennial forbs	5		
					soaptree yucca	5		
					threeawn	5		
Cacique	Sandy (R042XC004NM)	650	—	225	black grama	25		
					dropseed	15		
					other perennial grasses	15		
					bush muhly	10		
					annual grasses	5		
					cane bluestem	5		
					other shrubs	5		
					other annual forbs	5		
					other perennial forbs	5		
					threeawn	5		
					yucca	5		



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Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition---Lea County, New Mexico

APOLLO A CTB

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition—Lea County, New Mexico								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition		
		Favorable year	Normal year	Unfavorable year			Rangeland	Forest understory
		<i>Lb/ac</i>	<i>Lb/ac</i>	<i>Lb/ac</i>		<i>Pct dry wt</i>	<i>Pct dry wt</i>	
PU—Pyote and Maljamar fine sands								




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

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Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition---Lea County, New Mexico

APOLLO A CTB

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition—Lea County, New Mexico								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition		
		Favorable year	Normal year	Unfavorable year			Rangeland	Forest understory
		Lb/ac	Lb/ac	Lb/ac		Pct dry wt	Pct dry wt	
Pyote	Loamy Sand (R042XC003NM)	2,000	1,500	1,000	little bluestem	10		
					other shrubs	10		
					other perennial forbs	10		
					sand bluestem	10		
					spike dropseed	10		
					Arizona cottontop	5		
					black grama	5		
					bush muhly	5		
					cane bluestem	5		
					giant dropseed	5		
					hooded windmill grass	5		
					mesa dropseed	5		
					other perennial grasses	5		
					plains bristlegrass	5		
					sand dropseed	5		
Maljamar	Loamy Sand (R042XC003NM)	1,800	—	650	black grama	15		
					other perennial forbs	15		
					dropseed	10		
					little bluestem	10		
					other perennial grasses	10		
					plains bristlegrass	10		
					bush muhly	5		
					cane bluestem	5		
					fall witchgrass	5		
					Havard's oak	5		
	Natural Resources Conservation Service			Web Soil Survey National Cooperative Soil Survey	other shrubs	5		7/8/2022 Page 6 of 7
					sand sagebrush	5		

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 18, Sep 10, 2021

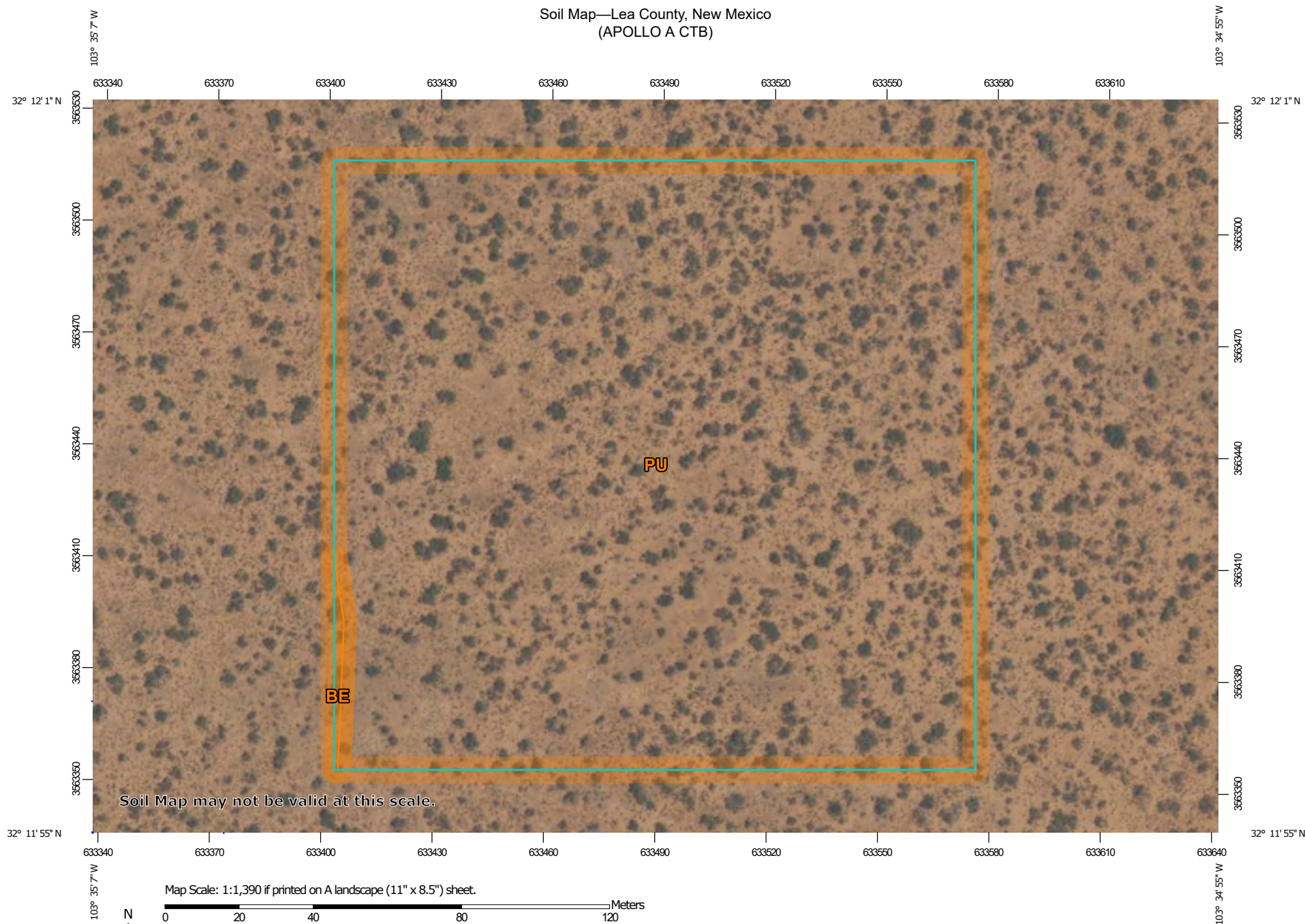


**Natural Resources
Conservation Service**

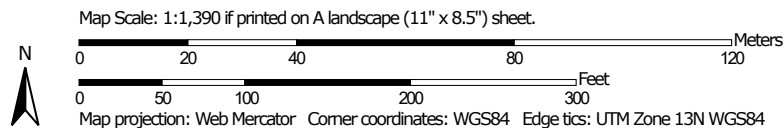
Web Soil Survey
National Cooperative Soil Survey

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Soil Map—Lea County, New Mexico
(APOLLO A CTB)



Soil Map may not be valid at this scale.



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

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Soil Map—Lea County, New Mexico
(APOLLO A CTB)


MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 18, Sep 10, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	0.0	0.3%
PU	Pyote and Maljamar fine sands	7.0	99.7%
Totals for Area of Interest		7.0	100.0%

National Flood Hazard Layer FIRMMette



103°35'20"W 32°12'15"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, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		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 D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		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
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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





The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/8/2022 at 11:28 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.

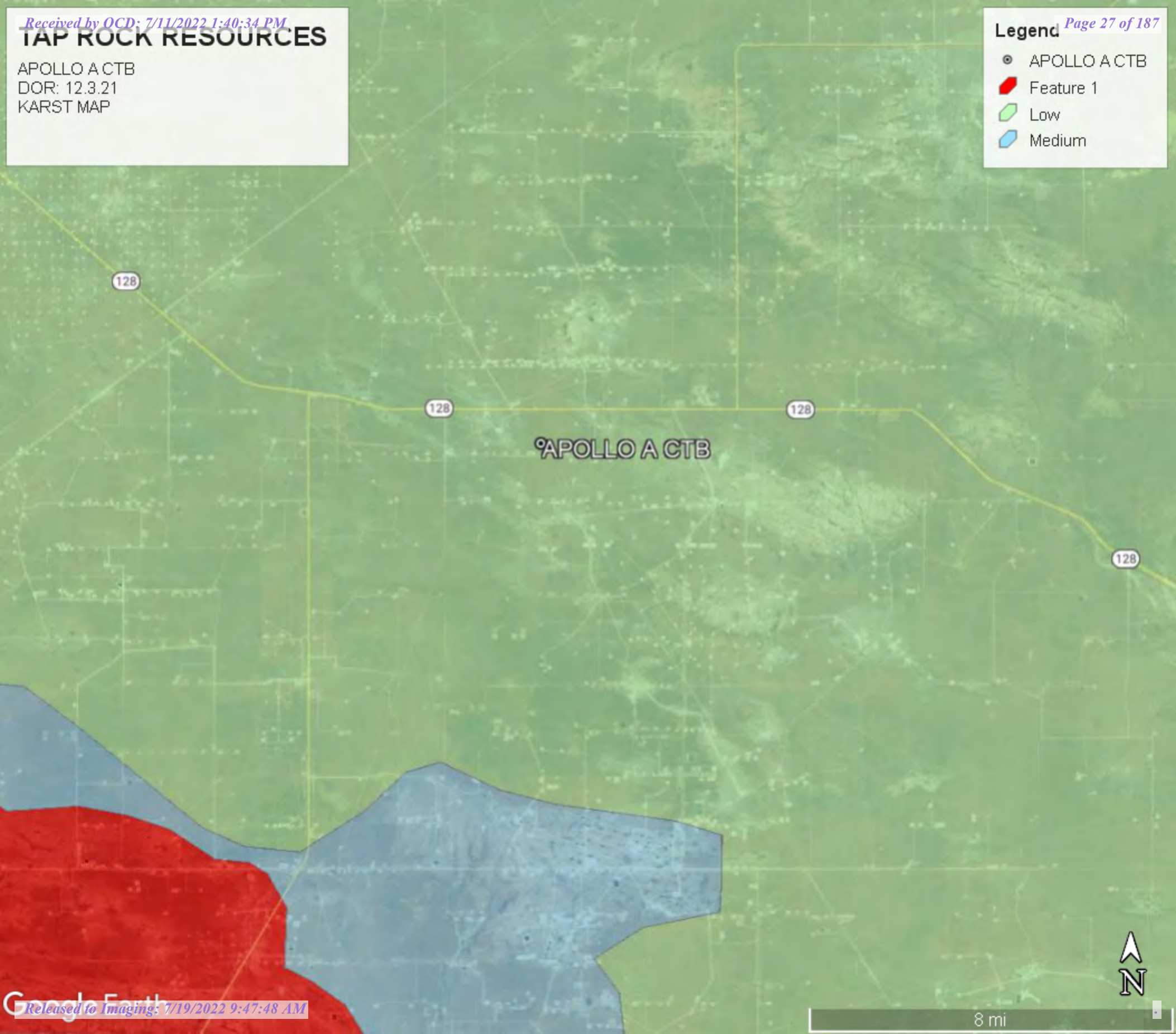
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

TAP ROCK RESOURCES

APOLLO A CTB
DOR: 12.3.21
KARST MAP

Legend Page 27 of 187

-  APOLLO A CTB
-  Feature 1
-  Low
-  Medium



TAP ROCK

APOLLO A CTB
WATERCOURSE MAP

● APOLLO A CTB





New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 633486.57

Northing (Y): 3563452.97

Radius: 1000

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

12/4/21 1:50 PM

WELLS WITH WELL LOG INFORMATION



New Mexico Office of the State Engineer

Wells with Well Log Information

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

POD		q q q											Log File	Depth	Depth			License			
POD Number	Code	Subbasin	County	Source	64	16	4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Date	Well	Water	Driller	Number	
C 03565 POD8		CUB	LE		4	1	15	24S	33E		635485	3565610	<input type="checkbox"/>	2940			04/02/2013				
C 04339 POD7		CUB	LE		4	4	2	23	24S	33E	636473	3564011	<input type="checkbox"/>	3038	07/31/2019	07/31/2019	08/22/2019	43		CURRIE, SHANEG..TY"ENER	1575
C 04339 POD8		CUB	LE		1	1	3	23	24S	33E	636519	3563681	<input type="checkbox"/>	3040	07/31/2019	07/31/2019	08/22/2019	30		CURRIE, SHANEG..TY"ENER	1575
C 04339 POD1		CUB	LE		1	3	3	23	24S	33E	636525	3563309	<input type="checkbox"/>	3042	08/01/2019	08/02/2019	08/22/2019	47		CURRIE, SHANEG..TY"ENER	1575
C 03565 POD3		CUB	LE		3	4	08	24S	33E		632763	3566546	<input type="checkbox"/>	3177	09/27/2012	10/21/2012	12/11/2012	1533		STEWART, PHILLIP D. (LD)	331
C 04339 POD2		CUB	LE		2	3	3	23	24S	33E	636789	3563315	<input type="checkbox"/>	3305	08/06/2019	08/06/2019	08/22/2019			CURRIE, SHANEG..TY"ENER	1575
C 03565 POD9		CUB	LE		4	4	15	24S	33E		636430	3565005	<input type="checkbox"/>	3327			04/02/2013				
C 03600 POD4		CUB	LE	Shallow	3	3	1	26	24S	33E	636617	3562293	<input type="checkbox"/>	3338	01/08/2013	01/08/2013	01/30/2013			RODNEY HAMMER	1186
C 03600 POD7		CUB	LE	Shallow	3	1	3	26	24S	33E	636726	3561968	<input type="checkbox"/>	3563	01/08/2013	01/09/2013	01/30/2013			RODNEY HAMMER	1186
C 04339 POD3		CUB	LE		2	4	3	23	24S	33E	637273	3563323	<input type="checkbox"/>	3788	08/06/2019	08/06/2019	08/22/2019	38		CURRIE, SHANEG..TY"ENER	1575
C 04339 POD4		CUB	LE		2	4	3	23	24S	33E	637273	3563323	<input type="checkbox"/>	3788	08/06/2019	08/07/2019	08/22/2019	47		CURRIE, SHANEG..TY"ENER	1575
C 03600 POD1		CUB	LE	Shallow	2	2	1	26	24S	33E	637275	3563023	<input type="checkbox"/>	3812	01/07/2013	01/07/2013	01/30/2013			RODNEY HAMMER	1186
C 04339 POD6		CUB	LE		3	1	2	23	24S	33E	637340	3564386	<input type="checkbox"/>	3965	07/31/2019	07/31/2019	08/22/2019	60		CURRIE, SHANEG..TY"ENER	1575
C 03662 POD1		C	LE	Shallow	3	1	2	23	24S	33E	637342	3564428	<input type="checkbox"/>	3977	08/19/2013	08/20/2013	09/16/2013	550	110	JOHN SIRMAN	1654
C 04339 POD5		CUB	LE		2	3	4	23	24S	33E	637580	3563328	<input type="checkbox"/>	4095	08/06/2019	08/07/2019	08/22/2019	54		CURRIE, SHANEG..TY"ENER	1575
C 03603 POD3		CUB	LE	Shallow	4	1	1	35	24S	33E	636890	3561092	<input type="checkbox"/>	4141	01/13/2013	01/13/2013	01/30/2013			RODNEY HAMMER	1186
C 03600 POD6		CUB	LE	Shallow	3	1	4	26	24S	33E	637383	3562026	<input type="checkbox"/>	4149	01/09/2013	01/09/2013	01/30/2013			RODNEY HAMMER	1186
C 04339 POD10		CUB	LE		4	1	4	23	24S	33E	637688	3563503	<input type="checkbox"/>	4201	08/01/2019	08/01/2019	08/22/2019	49		CURRIE, SHANEG..TY"ENER	1575
C 03603 POD5		CUB	LE	Shallow	3	3	2	35	24S	33E	636745	3560767	<input type="checkbox"/>	4222	01/12/2013	01/13/2013	01/30/2013			RODNEY HAMMER	1186
C 04339 POD9		CUB	LE		3	4	2	23	24S	33E	637731	3563913	<input type="checkbox"/>	4269	08/01/2019	08/01/2019	08/22/2019	45		CURRIE, SHANEG..TY"ENER	1575
C 03601 POD6		CUB	LE	Shallow	1	4	4	23	24S	33E	637834	3563338	<input type="checkbox"/>	4348	01/05/2013	01/05/2013	01/30/2013			RODNEY HAMMER	1186
C 03601 POD2		CUB	LE	Shallow	3	2	4	23	24S	33E	637846	3563588	<input type="checkbox"/>	4361	01/06/2013	01/07/2013	01/30/2013			RODNEY HAMMER	1186
C 03603 POD6		CUB	LE	Shallow	3	1	3	35	24S	33E	636749	3560447	<input type="checkbox"/>	4436	01/13/2013	01/13/2013	01/30/2013			RODNEY HAMMER	1186
C 03600 POD3		CUB	LE	Shallow	3	4	2	26	24S	33E	637784	3562340	<input type="checkbox"/>	4439	01/16/2013	01/16/2013	01/30/2013			RODNEY HAMMER	1186
C 03601 POD7		CUB	LE	Shallow	4	4	4	23	24S	33E	637946	3563170	<input type="checkbox"/>	4468	01/05/2013	01/05/2013	01/30/2013			RODNEY HAMMER	1186
C 03601 POD5		CUB	LE	Shallow	2	4	4	23	24S	33E	637988	3563334	<input type="checkbox"/>	4503	01/06/2013	01/06/2013	01/30/2013			RODNEY HAMMER	1186
C 03603 POD2		CUB	LE	Shallow	3	1	2	35	24S	33E	637384	3561167	<input type="checkbox"/>	4518	01/11/2013	01/11/2013	01/30/2013			RODNEY HAMMER	1186

C 03600 POD5	CUB	LE	Shallow	3	2	4	26	24S	33E	637857	3562020	<input type="checkbox"/>	4599	01/09/2013	01/09/2013	01/30/2013	RODNEY HAMMER	1186
C 03601 POD3	CUB	LE	Shallow	1	3	3	24	24S	33E	638142	3563413	<input type="checkbox"/>	4655	01/06/2013	01/06/2013	01/30/2013	RODNEY HAMMER	1186
C 03601 POD1	CUB	LE	Shallow	4	4	2	23	24S	33E	638124	3563937	<input type="checkbox"/>	4662	12/21/2012	12/21/2012	01/08/2013	RODNEY HAMMER	1186
C 03603 POD1	CUB	LE	Shallow	3	2	2	35	24S	33E	637805	3561225	<input type="checkbox"/>	4859	01/10/2013	01/10/2013	01/30/2013	RODNEY HAMMER	1186

Record Count: 31

UTMNAD83 Radius Search (in meters):

Easting (X): 633486.57 Northing (Y): 3563452.97 Radius: 5000

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
WELLS WITH WELL LOG INFORMATION



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04339 POD7	4	4	2	23	24S	33E	636473	3564011 

Driller License: 1575	Driller Company: CURRIE DRILLING COMPANY, INC		
Driller Name: CURRIE, SHANEG..TY"ENER			
Drill Start Date: 07/31/2019	Drill Finish Date: 07/31/2019	Plug Date: 07/31/2019	
Log File Date: 08/22/2019	PCW Rcv Date:	Source:	
Pump Type:	Pipe Discharge Size:	Estimated Yield:	
Casing Size:	Depth Well: 43 feet	Depth Water:	

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Page 1 of 1


POD SUMMARY - C 04339 POD7



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04339 POD8	1	1	3	23	24S	33E	636519	3563681 

Driller License: 1575	Driller Company: CURRIE DRILLING COMPANY, INC	
Driller Name: CURRIE, SHANEG..TY"ENER		
Drill Start Date: 07/31/2019	Drill Finish Date: 07/31/2019	Plug Date: 07/31/2019
Log File Date: 08/22/2019	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well: 30 feet	Depth Water:


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New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04339 POD1	1	3	3	23	24S	33E	636525	3563309 

Driller License: 1575	Driller Company: CURRIE DRILLING COMPANY, INC	
Driller Name: CURRIE, SHANEG..TY"ENER		
Drill Start Date: 08/01/2019	Drill Finish Date: 08/02/2019	Plug Date: 08/02/2019
Log File Date: 08/22/2019	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well: 47 feet	Depth Water:

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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
Page 1 of 1

POD SUMMARY - C 04339 POD1



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 03565 POD8	4	1	15	24S	33E		635485	3565610 

Driller License:**Driller Company:****Driller Name:****Drill Start Date:****Drill Finish Date:****Plug Date:****Log File Date:** 04/02/2013**PCW Rcv Date:****Source:****Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:****Depth Well:****Depth Water:**

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

7/11/22 9:16 AM

Page 1 of 1

POD SUMMARY - C 03565 POD8




New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
C	03565 POD3	3	4	08	24S 33E	632763	3566546 

Driller License: 331	Driller Company: SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.
Driller Name: STEWART, PHILLIP D. (LD)	

Drill Start Date: 09/27/2012	Drill Finish Date: 10/21/2012	Plug Date:
Log File Date: 12/11/2012	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size: 8.90	Depth Well:	Depth Water: 1533 feet

Water Bearing Stratifications:	Top	Bottom	Description
	0	20	Other/Unknown
	20	55	Sandstone/Gravel/Conglomerate
	55	1227	Shale/Mudstone/Siltstone
	1227	1262	Other/Unknown
	1262	1295	Other/Unknown
	1295	1310	Other/Unknown
	1310	1330	Other/Unknown
	1330	1375	Other/Unknown
	1479	1489	Other/Unknown
	1489	1533	Other/Unknown

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

7/11/22 9:15 AM

Page 1 of 1

POD SUMMARY - C 03565 POD3

TAP ROCK RESOURCES

APOLLO A CTB
DOR: 12.3.21
GROUNDWATER MAP

Legend

- APOLLO A CTB
- C04339 POD 1-2134' FROM SITE - NO DGW INFO
- C04339 POD7 - 3038' FROM SITE - NO DGW INFO
- C04339 POD8 - 2196' FROM SITE - NO DGW INFO



C04339 POD8 - 2196' FROM SITE - NO DGW INFO

C04339 POD7 - 3038' FROM SITE - NO DGW INFO

C04339 POD 1-2134' FROM SITE - NO DGW INFO

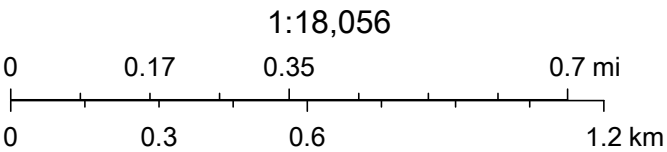
APOLLO A CTB

OSE POD Location Map



12/4/2021, 1:44:51 PM

- OSE District Boundary
- New Mexico State Trust Lands
- Water Right Regulations
- Both Estates
- Closure Area
- SiteBoundaries



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar



APOLLO A CTB

INITIAL SITE PHOTOS



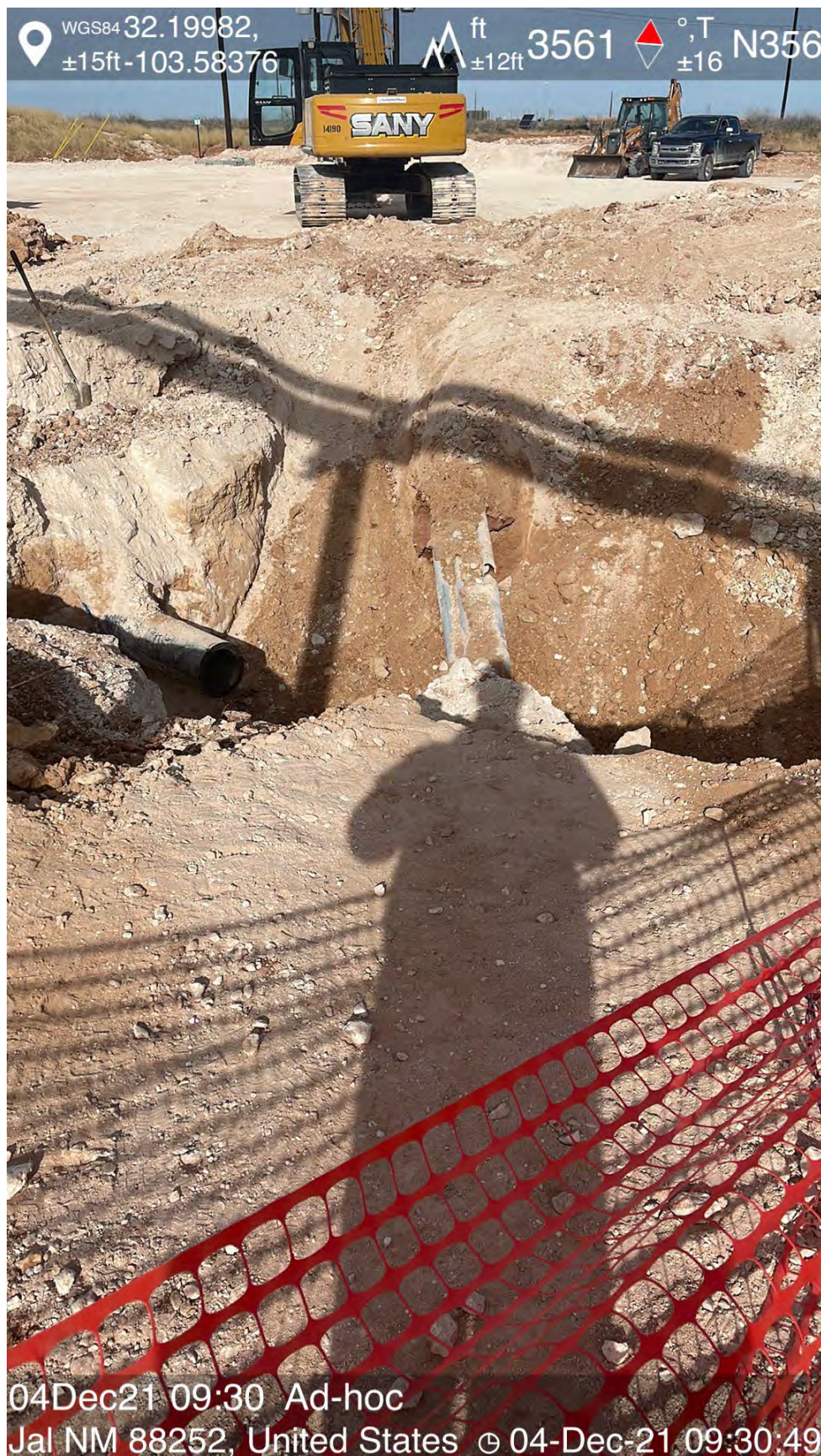


















TAP ROCK

APOLLO A CTB
DOR: 12.3.21

Legend

- EXCAVATION POR 137 SQ. FT.
- POR
- WEST STOCKPILE
- WEST STOCKPILE - 82.1 SQ. FT.

WEST STOCKPILE

EXCAVATION POR



20 ft



APOLLO A CTB

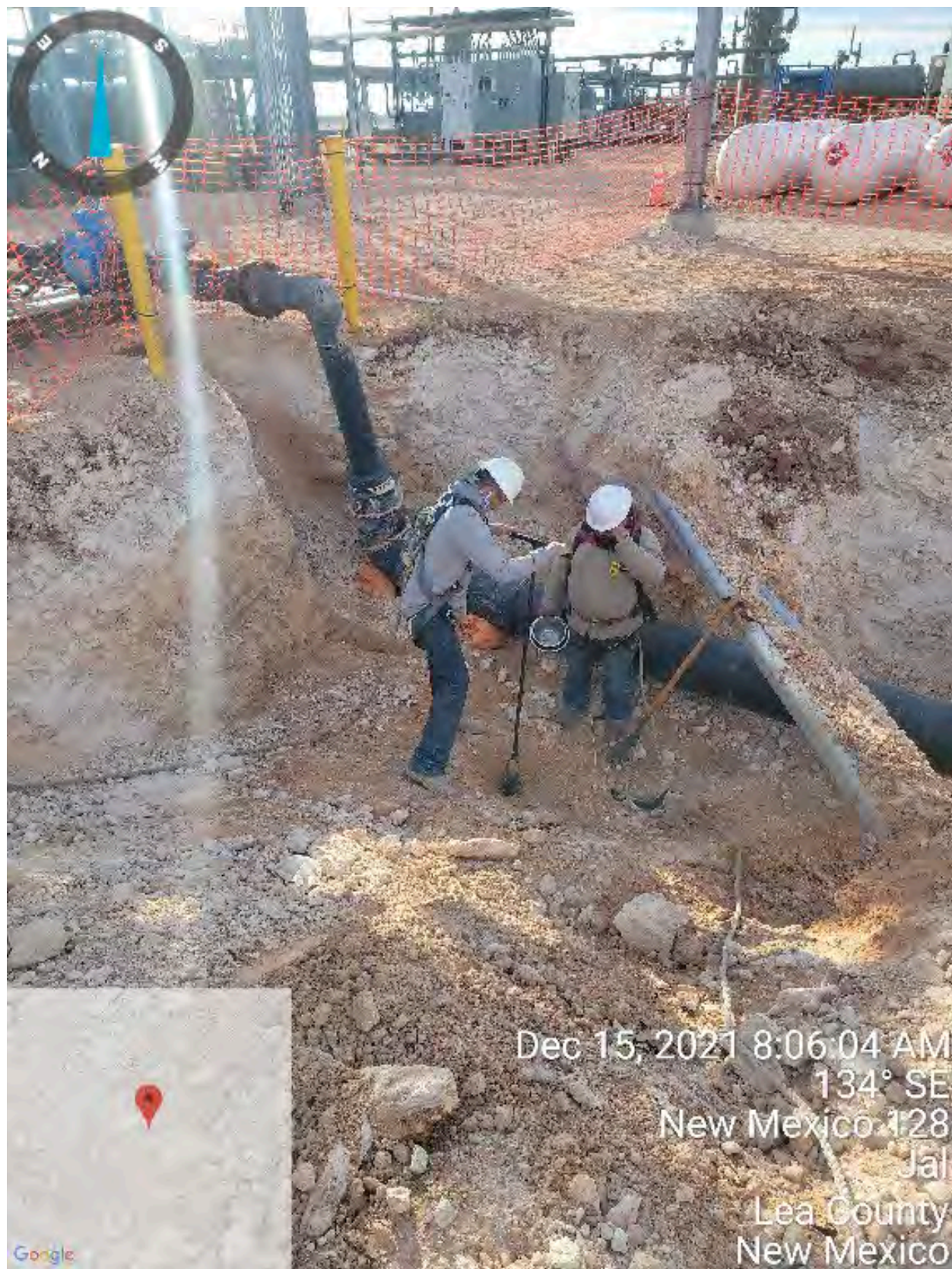
DELINEATION PHOTOS











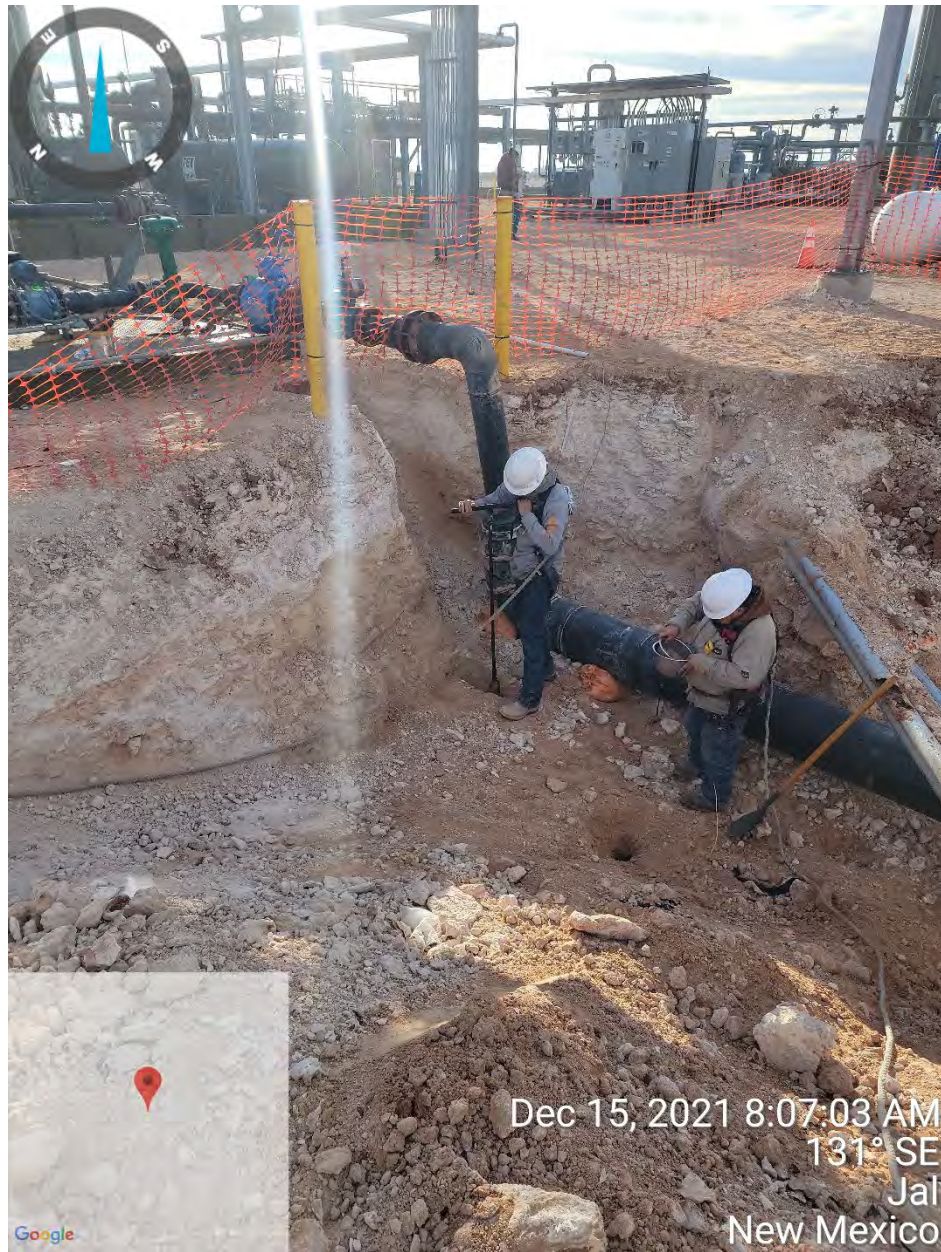

























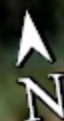
TAP ROCK

APOLLO A CTB
BASELINE EXCAVATION DATA OF NGL'S EXCAVATION

Legend

-  POR - Original Excavation (NGL) 137 sq. ft.
-  SAMPLE PT BOTTOM OF EXCAVATION
-  SAMPLE PT SURFACE EDGE

APOLLO A CTB °



TAP ROCK

APOLLO A CTB

BASELINE EXCAVATION DATA OF NGL'S INSIDE EXCAVATION SIDEWALL DELINEATION MAP

Legend

- APOLLO A CTB
- ↓ INSIDE EXV SIDEWALLS

APOLLO A CTB °



30 ft

TAP ROCK

APOLLO A CTB
BTM SAMPLE MAP

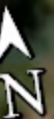
Legend

- APOLLO A CTB
- BOTTOM
- ◡ POR - Original Excavation (NGL) 137 sq. ft.

APOLLO A CTB °

BOTTOM NORTH

BOTTOM CENTRAL



Company Name: TAP ROCK Location Name: APOLLO A CTB Release Date: 12/3/2021

BASELINE SAMPLE DATA OF NGL'S EXCAVATION

SP ID	Depth	Tit	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURF	1400	ND	ND	ND	ND	ND	ND	1480		
SP2	SURF	320	ND	ND	ND	ND	ND	ND	301		
SP3	SURF	1200	ND	ND	ND	ND	ND	ND	1150		
SP4	SURF	3600	ND	ND	ND	ND	ND	ND	3490		
BTM 1	10'	4000	ND	ND	ND	ND	ND	ND	3590		
BTM 2	10'	>4000	ND	ND	ND	ND	ND	ND	4380		
BTM 3	10'	>4000	ND	ND	ND	ND	ND	ND	4680		
BTM 4	10'	>4000	ND	ND	ND	ND	ND	ND	5940		
BTM 5	10'	>4000	ND	ND	ND	ND	ND	ND	6800		
NSW	4'	>4000	ND	0.0506	ND	ND	ND	ND	5720		
NSW	8'	>4000	ND	ND	ND	ND	ND	ND	5560		
ESW	4'	>4000	ND	ND	ND	ND	ND	ND	6800		
ESW	8'	>4000	ND	0.0282	ND	ND	ND	ND	7900		
SSW	4'	>4000	ND	0.0425	ND	ND	ND	ND	46500		
SSW	8'	>4000	ND	0.0671	ND	ND	ND	ND	36700		
WSW	4'	>4000	ND	ND	ND	ND	ND	ND	34700		
WSW	8'	>4000	ND	ND	ND	ND	ND	ND	5880		

Company Name: TAP ROCK Location Name: APOLLO A CTB Release Date: 12/3/2021

ESS Excavation Delineation Sample Data

SP ID	Depth	Tit	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
BN	10'	1460	ND								
	12'	1280	ND								
	14'	960	ND								
	16'	560	ND								
	18'	240	ND	ND	ND	ND	ND	ND	180		
BC	10'	480	ND								
	12'	320	ND	ND	ND	ND	ND	ND	271		

DELINEATION GPS DATA

TAPROCK - APOLLO A CTB

[illegible]

Natalie Gladden

From: Natalie Gladden
Sent: Wednesday, March 9, 2022 3:01 PM
To: ocdonline, emnrd, EMNRD; Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Hensley, Chad, EMNRD
Cc: 'Christian Combs'; 'Bill Ramsey'
Subject: Tap Rock - Apollo A Central Tank Battery - Extension Request

Importance: High

All,

On behalf of Tap Rock, ESS would like to request an extension for the below release:

DOR: 12/03/2021

Incident No. NAPP2133854148

Reason for Extension: We are in the process of finishing the delineation and will begin remediation soon. There has been a lot of activity going on, on this location and due to the safety hazards of this release (large pipe and deep contamination), we are having to engineer the excavation to meet OSHA requirements.

If you have any questions or concerns, please feel free to contact me at any time.

Natalie Gladden

Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road

Hobbs, NM 88240

Cell: 575-390-6397

Office: 575-393-9048

Email: natalie@energystaffingllc.com



Natalie Gladden

From: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Sent: Tuesday, March 15, 2022 1:14 PM
To: Natalie Gladden; ocdonline, emnrd, EMNRD
Cc: 'Bill Ramsey'; 'Christian Combs'; Dakoatah Montanez; Bratcher, Mike, EMNRD; Hensley, Chad, EMNRD; Velez, Nelson, EMNRD; Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] Tap Rock - Apollo A CTB - Composite Notification

Natalie,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Regards,

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Natalie Gladden <natalie@energystaffingllc.com>
Sent: Tuesday, March 15, 2022 11:35 AM
To: ocdonline, emnrd, EMNRD <EMNRD.OCDOnline@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Cc: 'Bill Ramsey' <Bramsey@taprk.com>; 'Christian Combs' <ccombs@taprk.com>; Dakoatah Montanez <dakoatah@energystaffingllc.com>
Subject: [EXTERNAL] Tap Rock - Apollo A CTB - Composite Notification
Importance: High

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

On behalf of Tap Rock, ESS would like to request the 48-hour composite notification for the Apollo A CTB. Please find the release information below:

Site: Apollo A CTB

DOR: 12/03/2021

API: 30-025-47427

INCIDENT NO: NAPP213854148

If you have any questions or concerns, please let me know.

Natalie Gladden

Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road

Hobbs, NM 88240

Cell: 575-390-6397

Office: 575-393-9048

Email: natalie@energystaffingllc.com



Company Name: TAP ROCK Location Name: APOLLO A CTB Release Date: 12/3/2021

COMPOSITE SAMPLE DATA

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
COMP1	12'	12	ND	ND	ND	ND	ND	ND	34.7		
COMP2	16'	60	ND	ND	ND	ND	ND	ND	61.2		
COMP3	14'	40	ND	ND	ND	ND	ND	ND	47.8		
SW COMP1		60	ND	ND	ND	ND	ND	ND	41.5		
SW COMP2		40	ND	ND	ND	ND	ND	ND	40.1		
SW COMP 3		48	ND	ND	ND	ND	ND	ND	41.9		
SW COMP 4		46	ND	ND	ND	ND	ND	ND	45.1		

**COMPOSITE SAMPLE GPS
TAPROCK - APOLLO A CTB**

SAMPLE ID	LAT	LONG
COMP 1	32.199917	-103.583781
COMP 2	32.199893	-103.583781
COMP 3	32.583786	-103.583786
SW COMP 1	32.199928	-103.583779
SW COMP 2	32.199889	-103.583737
SW COMP 3	32.199858	-103.583787
SW COMP 4	32.199895	-103.583821

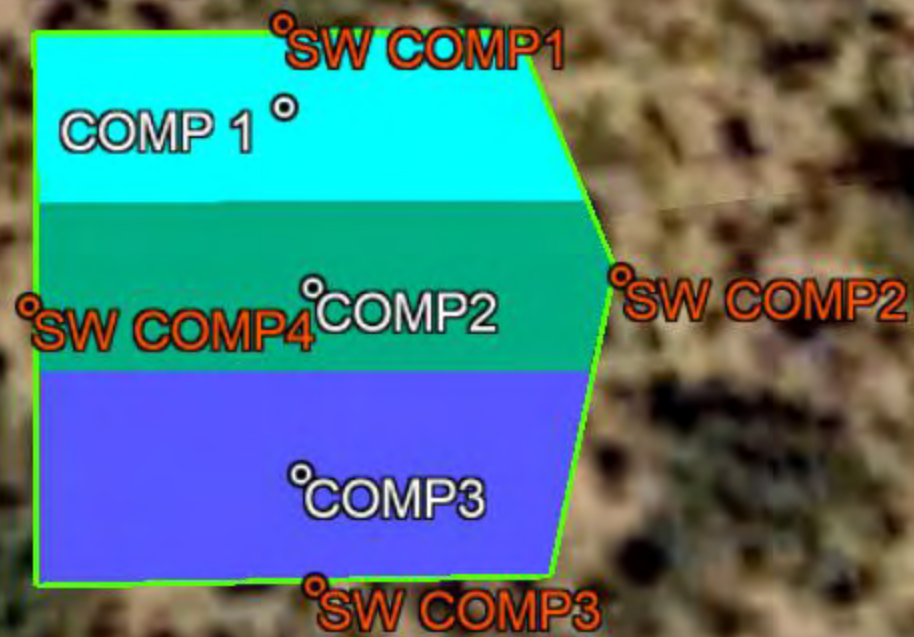
TAP ROCK

APOLLO A CTB
COMPOSITE MAP

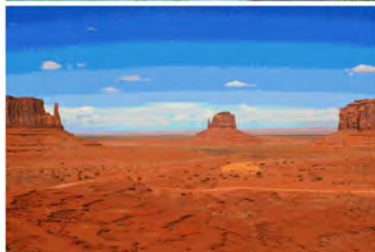
Legend

- BTM COMPOSITE
- Remediation Excavation - 599 sq. ft.
- SIDEWALL COMPOSITE

APOLLO A CTB °



Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Apollo A CTB

Work Order: E112033

Job Number: 20046-0001

Received: 12/9/2021

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/13/21

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 12/13/21

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Apollo A CTB
Workorder: E112033
Date Received: 12/9/2021 11:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2021 11:00:00AM, under the Project Name: Apollo A CTB.

The analytical test results summarized in this report with the Project Name: Apollo A CTB 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
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/21 09:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1 Surface	E112033-01A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
SP2 Surface	E112033-02A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
SP3 Surface	E112033-03A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
SP4 Surface	E112033-04A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
Btm Exc 1-10'	E112033-05A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
Btm Exc 2-10'	E112033-06A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
Btm Exc 3-10'	E112033-07A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
Btm Exc 4-10'	E112033-08A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
Btm Exc 5-10'	E112033-09A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
North Sidewall Exc 4'	E112033-10A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
North Sidewall Exc 8'	E112033-11A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
East Sidewall Exc 4'	E112033-12A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
East Sidewall Exc 8'	E112033-13A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
South Sidewall Exc 4'	E112033-14A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
South Sidewall Exc 8'	E112033-15A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
West Sidewall Exc 4'	E112033-16A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.
West Sidewall Exc 8'	E112033-17A	Soil	12/06/21	12/09/21	Glass Jar, 4 oz.



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

SP1 Surface

E112033-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.0 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	104 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150024	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>	93.6 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2150030	
Chloride	1480	20.0	1	12/09/21	12/09/21	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A CTB
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/13/2021 9:44:34AM

SP2 Surface

E112033-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150029
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150029
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150030
Chloride	301	20.0	1	12/09/21	12/09/21	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A CTB
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/13/2021 9:44:34AM

SP3 Surface

E112033-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150029
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150029
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>						
	91.8 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150030
Chloride	1150	20.0	1	12/09/21	12/09/21	



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

SP4 Surface

E112033-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150024	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>		83.9 %	50-200	12/09/21	12/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2150030	
Chloride	3490	40.0	2	12/09/21	12/09/21	



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

Btm Exc 1-10'

E112033-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.3 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	102 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150024	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>	111 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2150030	
Chloride	3590	40.0	2	12/09/21	12/09/21	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A CTB
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/13/2021 9:44:34AM

Btm Exc 2-10'

E112033-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150029
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150029
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150030
Chloride	4380	40.0	2	12/09/21	12/09/21	



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

Btm Exc 3-10'

E112033-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.4 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150024	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>	108 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2150030	
Chloride	4680	40.0	2	12/09/21	12/09/21	



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

Btm Exc 4-10'

E112033-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.4 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	102 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150024	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>	109 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2150030	
Chloride	5940	100	5	12/09/21	12/09/21	



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

Btm Exc 5-10'

E112033-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.4 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.6 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150024	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>	84.6 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2150030	
Chloride	6800	200	10	12/09/21	12/09/21	



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

North Sidewall Exc 4'

E112033-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	0.0506	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>96.2 %</i>	<i>70-130</i>		<i>12/09/21</i>	<i>12/09/21</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>95.8 %</i>	<i>70-130</i>		<i>12/09/21</i>	<i>12/09/21</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150024	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>	<i>80.2 %</i>	<i>50-200</i>		<i>12/09/21</i>	<i>12/09/21</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2150030	
Chloride	5720	100	5	12/09/21	12/09/21	



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

North Sidewall Exc 8'

E112033-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	0.0637	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.5 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.9 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150024	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>	66.1 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2150030	
Chloride	5560	100	5	12/09/21	12/09/21	



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

East Sidewall Exc 4'

E112033-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.3 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.3 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150024	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>	84.5 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2150030	
Chloride	6800	200	10	12/09/21	12/09/21	



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

East Sidewall Exc 8'

E112033-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	0.0282	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>99.0 %</i>	<i>70-130</i>		<i>12/09/21</i>	<i>12/09/21</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>94.1 %</i>	<i>70-130</i>		<i>12/09/21</i>	<i>12/09/21</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150024	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>	<i>107 %</i>	<i>50-200</i>		<i>12/09/21</i>	<i>12/09/21</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2150030	
Chloride	7900	200	10	12/09/21	12/09/21	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A CTB
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/13/2021 9:44:34AM

South Sidewall Exc 4'

E112033-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150029
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	0.0425	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150029
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150030
Chloride	46500	400	20	12/09/21	12/09/21	



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

South Sidewall Exc 8'

E112033-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	0.0671	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>97.6 %</i>	<i>70-130</i>		<i>12/09/21</i>	<i>12/09/21</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>93.3 %</i>	<i>70-130</i>		<i>12/09/21</i>	<i>12/09/21</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150024	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>	<i>112 %</i>	<i>50-200</i>		<i>12/09/21</i>	<i>12/09/21</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2150030	
Chloride	36700	400	20	12/09/21	12/09/21	



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

West Sidewall Exc 4'

E112033-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.5 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150024	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>	113 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2150030	
Chloride	34700	400	20	12/09/21	12/09/21	



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

West Sidewall Exc 8'

E112033-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.6 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	103 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RKS		Batch: 2150024	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>	106 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2150030	
Chloride	5880	200	10	12/09/21	12/09/21	



QC Summary Data

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

Volatile Organics by EPA 8021B

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 (2150029-BLK1)

Prepared: 12/09/21 Analyzed: 12/09/21

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	7.74		8.00		96.7	70-130			

LCS (2150029-BS1)

Prepared: 12/09/21 Analyzed: 12/09/21

Benzene	4.82	0.0250	5.00		96.3	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.9	70-130			
Toluene	5.14	0.0250	5.00		103	70-130			
o-Xylene	4.88	0.0250	5.00		97.7	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			

LCS Dup (2150029-BSD1)

Prepared: 12/09/21 Analyzed: 12/09/21

Benzene	4.92	0.0250	5.00		98.3	70-130	2.06	20	
Ethylbenzene	5.05	0.0250	5.00		101	70-130	2.18	20	
Toluene	5.23	0.0250	5.00		105	70-130	1.62	20	
o-Xylene	4.99	0.0250	5.00		99.8	70-130	2.15	20	
p,m-Xylene	10.3	0.0500	10.0		103	70-130	2.33	20	
Total Xylenes	15.2	0.0250	15.0		102	70-130	2.27	20	
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130			



QC Summary Data

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

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 (2150029-BLK1)

Prepared: 12/09/21 Analyzed: 12/09/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.32		8.00		104	70-130			

LCS (2150029-BS2)

Prepared: 12/09/21 Analyzed: 12/09/21

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.16		8.00		102	70-130			

LCS Dup (2150029-BSD2)

Prepared: 12/09/21 Analyzed: 12/09/21

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.6	70-130	0.152	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.37		8.00		105	70-130			



QC Summary Data

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

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 (2150024-BLK1)

Prepared: 12/09/21 Analyzed: 12/09/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.1		50.0		112	50-200			

LCS (2150024-BS1)

Prepared: 12/09/21 Analyzed: 12/09/21

Diesel Range Organics (C10-C28)	553	25.0	500		111	38-132			
Surrogate: n-Nonane	54.3		50.0		109	50-200			

Matrix Spike (2150024-MS1)

Source: E112033-03

Prepared: 12/09/21 Analyzed: 12/09/21

Diesel Range Organics (C10-C28)	547	25.0	500	ND	109	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			

Matrix Spike Dup (2150024-MSD1)

Source: E112033-03

Prepared: 12/09/21 Analyzed: 12/09/21

Diesel Range Organics (C10-C28)	557	25.0	500	ND	111	38-132	1.75	20	
Surrogate: n-Nonane	54.3		50.0		109	50-200			



QC Summary Data

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/2021 9:44:34AM

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 (2150030-BLK1)

Prepared: 12/09/21 Analyzed: 12/09/21

Chloride ND 20.0

LCS (2150030-BS1)

Prepared: 12/09/21 Analyzed: 12/09/21

Chloride 249 20.0 250 99.4 90-110

Matrix Spike (2150030-MS1)

Source: E112033-03

Prepared: 12/09/21 Analyzed: 12/09/21

Chloride 1420 20.0 250 1150 108 80-120

Matrix Spike Dup (2150030-MSD1)

Source: E112033-03

Prepared: 12/09/21 Analyzed: 12/09/21

Chloride 1420 20.0 250 1150 106 80-120 0.296 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

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/13/21 09:44

- 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.



Project Information

Chain of Custody

Client: <u>Tepe Rock</u> Project: <u>Apollo A CTB</u> Project Manager: <u>M. Gadden</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Report due by: _____					Bill To: <u>ESS</u> Attention: <u>Eni Marie Gladstone</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>enimarie@energy</u> <u>staffingllc.com</u>					Lab Use Only Lab WO# <u>E112033</u> Job Number <u>200400001</u> Analysis and Method: _____ DRO/ORO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 300.0 _____ NM - BGDOC _____ TX - TPH (TCEQ 1005) _____					TAT 1D _____ 2D _____ 3D _____ Standard <u>Lush</u>			EPA Program CWA _____ SDWA _____ RCRA _____ State NM _____ CO _____ UT _____ AZ _____ TX _____									
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	NM - BGDOC	TX - TPH (TCEQ 1005)	1D	2D	3D	Standard	CWA	SDWA	RCRA	State	NM	CO	UT	AZ	TX	Remarks
	12/6	soil	1	SP1 Surface	1																						
	12/6	soil	1	SP2 Surface	2																						
	12/6	soil	1	SP3 Surface	3																						
	12/6	soil	1	SP4 Surface	4																						
	12/6	soil	1	Btm Exc 1 - 10'	5																						
	12/6	soil	1	Btm Exc 2 - 10'	6																						
	12/6	soil	1	Btm Exc 3 - 10'	7																						
	12/6	soil	1	Btm Exc 4 - 10'	8																						
	12/6	soil	1	Btm Exc 5 - 10'	9																						
	12/6	soil	1	North Sidewalk Exc 4'	10																						

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.						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 5 °C on subsequent days.					
Sampled by: _____						Lab Use Only					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on ice: <u>Y</u> <u>N</u>					
<u>Eni Marie Gladstone</u>	12/6/21	12:55 pm	<u>Eni Marie Gladstone</u>	12-8-21	12:55	T1 _____ T2 _____ T3 _____					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>					
<u>Eni Marie Gladstone</u>	12/8/21	10:30	<u>Eni Marie Gladstone</u>	12/8/21	11:00						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
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.

Client:		Bill To		Lab Use Only		TAT		EPA Program	
Project:		Attention:		Lab WO#		1D 2D 3D		CWA SDWA	
Project Manager:		Address:		Job Number		Standard			
Address:		City, State, Zip		Analysis and Method				RCRA	
City, State, Zip		Phone:		DRO/DRO by 8015				State	
Phone:		Email:		GRO/DRO by 8015				NM CO UT AZ TX	
Email:				BTX by 8021					
Report due by:				VOC by 8260					
				Metals 6010					
				Chloride 300.0					
				NM - BGDOC					
				TX - TPH (TCEQ 1005)					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	NM - BGDOC	TX - TPH (TCEQ 1005)	1D	2D	3D	Standard	Remarks
	12/10	Soil	1	East North Sidewalk Exc 8'	11													
	12/10	Soil	1	East Sidewalk Exc 4'	12													
	12/10	Soil	1	East Sidewalk Exc 8'	13													
	12/10	Soil	1	South Sidewalk Exc 4'	14													
	12/10	Soil	1	South Sidewalk Exc 8'	15													
	12/10	Soil	1	West Sidewalk Exc 4'	16													
	12/10	Soil	1	West Sidewalk Exc 8'	17													

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.						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			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received on ice: Y N			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3			
												AVG Temp °C			
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: 12/9/2021 6:06:25PM

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:	Tap Rock	Date Received:	12/09/21 11:00	Work Order ID:	E112033
Phone:	(575) 390-6397	Date Logged In:	12/08/21 15:39	Logged In By:	Jessica Liesse
Email:	natalie@energystaffingllc.com	Due Date:	12/09/21 17:00 (0 day TAT)		

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? No
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 time, are not included in this discussion.

Carrier: FedEx**Comments/Resolution****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 temp 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
 - Collectors name? No

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 Instruction

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

Date



envirotech Inc.

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Apollo A
Work Order: E112076
Job Number: 20046-0001
Received: 12/17/2021

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/20/21

5796 U.S. Hwy 64
Farmington, NM 87401

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



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)

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Apollo A
Work Order: E202139
Job Number: 20046-0001
Received: 2/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/4/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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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: 3/4/22

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Apollo A
Workorder: E202139
Date Received: 2/28/2022 8:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/28/2022 8:15:00AM, under the Project Name: Apollo A.

The analytical test results summarized in this report with the Project Name: Apollo A 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
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Sample Summary

Tap Rock	Project Name:	Apollo A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	03/04/22 10:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BOTTOM NORTH 18'	E202139-01A	Soil	02/22/22	02/28/22	Glass Jar, 4 oz.
BOTTOM CENTRAL 12'	E202139-02A	Soil	02/22/22	02/28/22	Glass Jar, 4 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Apollo A Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 3/4/2022 10:47:17AM
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BOTTOM NORTH 18'

E202139-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2210010	
Benzene	ND	0.0250	1	02/28/22	03/01/22	
Ethylbenzene	ND	0.0250	1	02/28/22	03/01/22	
Toluene	ND	0.0250	1	02/28/22	03/01/22	
o-Xylene	ND	0.0250	1	02/28/22	03/01/22	
p,m-Xylene	ND	0.0500	1	02/28/22	03/01/22	
Total Xylenes	ND	0.0250	1	02/28/22	03/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.8 %	70-130		02/28/22	03/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2210010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/22	03/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.9 %	70-130		02/28/22	03/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2210003	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/28/22	03/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/28/22	03/01/22	
<i>Surrogate: n-Nonane</i>	96.9 %	50-200		02/28/22	03/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2210017	
Chloride	180	20.0	1	02/28/22	03/01/22	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/4/2022 10:47:17AM

BOTTOM CENTRAL 12'

E202139-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2210010	
Benzene	ND	0.0250	1	02/28/22	03/01/22	
Ethylbenzene	ND	0.0250	1	02/28/22	03/01/22	
Toluene	ND	0.0250	1	02/28/22	03/01/22	
o-Xylene	ND	0.0250	1	02/28/22	03/01/22	
p,m-Xylene	ND	0.0500	1	02/28/22	03/01/22	
Total Xylenes	ND	0.0250	1	02/28/22	03/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.6 %	70-130		02/28/22	03/01/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2210010	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/22	03/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		02/28/22	03/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2210003	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/28/22	03/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	02/28/22	03/01/22	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		02/28/22	03/01/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2210017	
Chloride	271	20.0	1	02/28/22	03/01/22	



QC Summary Data

Tap Rock	Project Name:	Apollo A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/4/2022 10:47:17AM

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 (2210010-BLK1)

Prepared: 02/28/22 Analyzed: 03/01/22

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	7.69		8.00		96.2	70-130			

LCS (2210010-BS1)

Prepared: 02/28/22 Analyzed: 03/01/22

Benzene	4.78	0.0250	5.00		95.5	70-130			
Ethylbenzene	5.10	0.0250	5.00		102	70-130			
Toluene	5.28	0.0250	5.00		106	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			

Matrix Spike (2210010-MS1)

Source: E202141-01

Prepared: 02/28/22 Analyzed: 03/01/22

Benzene	4.81	0.0250	5.00	ND	96.3	54-133			
Ethylbenzene	5.13	0.0250	5.00	ND	103	61-133			
Toluene	5.32	0.0250	5.00	ND	106	61-130			
o-Xylene	5.08	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
Total Xylenes	15.5	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.4	70-130			

Matrix Spike Dup (2210010-MSD1)

Source: E202141-01

Prepared: 02/28/22 Analyzed: 03/01/22

Benzene	4.73	0.0250	5.00	ND	94.6	54-133	1.75	20	
Ethylbenzene	5.05	0.0250	5.00	ND	101	61-133	1.59	20	
Toluene	5.23	0.0250	5.00	ND	105	61-130	1.86	20	
o-Xylene	5.02	0.0250	5.00	ND	100	63-131	1.24	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	1.54	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	1.44	20	
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			



QC Summary Data

Tap Rock	Project Name:	Apollo A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/4/2022 10:47:17AM

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 (2210010-BLK1)

Prepared: 02/28/22 Analyzed: 03/01/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			

LCS (2210010-BS2)

Prepared: 02/28/22 Analyzed: 03/01/22

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		90.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			

Matrix Spike (2210010-MS2)

Source: E202141-01

Prepared: 02/28/22 Analyzed: 03/01/22

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			

Matrix Spike Dup (2210010-MSD2)

Source: E202141-01

Prepared: 02/28/22 Analyzed: 03/01/22

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.6	70-130	3.01	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.2	70-130			



QC Summary Data

Tap Rock	Project Name:	Apollo A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/4/2022 10:47:17AM

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 (2210003-BLK1)

Prepared: 02/28/22 Analyzed: 02/28/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	42.9		50.0		85.8	50-200			

LCS (2210003-BS1)

Prepared: 02/28/22 Analyzed: 02/28/22

Diesel Range Organics (C10-C28)	513	25.0	500		103	38-132			
Surrogate: <i>n</i> -Nonane	48.2		50.0		96.5	50-200			

Matrix Spike (2210003-MS1)

Source: E202134-01

Prepared: 02/28/22 Analyzed: 02/28/22

Diesel Range Organics (C10-C28)	473	25.0	500	ND	94.7	38-132			
Surrogate: <i>n</i> -Nonane	47.3		50.0		94.7	50-200			

Matrix Spike Dup (2210003-MSD1)

Source: E202134-01

Prepared: 02/28/22 Analyzed: 02/28/22

Diesel Range Organics (C10-C28)	458	25.0	500	ND	91.6	38-132	3.29	20	
Surrogate: <i>n</i> -Nonane	46.8		50.0		93.6	50-200			



QC Summary Data

Tap Rock	Project Name:	Apollo A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/4/2022 10:47:17AM

Anions by EPA 300.0/9056A

Analyst: KL

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 (2210017-BLK1)

Prepared: 02/28/22 Analyzed: 03/01/22

Chloride ND 20.0

LCS (2210017-BS1)

Prepared: 02/28/22 Analyzed: 03/01/22

Chloride 247 20.0 250 98.8 90-110

Matrix Spike (2210017-MS1)

Source: E202125-01

Prepared: 02/28/22 Analyzed: 03/01/22

Chloride 258 20.0 250 ND 103 80-120

Matrix Spike Dup (2210017-MSD1)

Source: E202125-01

Prepared: 02/28/22 Analyzed: 03/01/22

Chloride 258 20.0 250 ND 103 80-120 0.0853 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

Tap Rock	Project Name:	Apollo A	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	03/04/22 10:47

- 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.





Envirotech Analytical Laboratory

Printed: 2/28/2022 9:25:52AM

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:	Tap Rock	Date Received:	02/28/22 08:15	Work Order ID:	E202139
Phone:	(575) 390-6397	Date Logged In:	02/28/22 09:23	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	03/04/22 17:00 (4 day TAT)		

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 time, are not included in this discussion.

Carrier: UPSComments/ResolutionSample 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 temp 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
 - Collectors name? No

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 Instruction

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

Date



envirotech Inc.

Date Reported: 12/20/21

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Apollo A
Workorder: E112076
Date Received: 12/17/2021 3:35:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/17/2021 3:35:00PM, under the Project Name: Apollo A.

The analytical test results summarized in this report with the Project Name: Apollo A 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

Tap Rock	Project Name:	Apollo A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/21 15:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1 Surface	E112076-01A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SP2 Surface	E112076-02A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SP 2 4'	E112076-03A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SP 3 Surface	E112076-04A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SP 3 4'	E112076-05A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SP4 Surface	E112076-06A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.
SP4 4'	E112076-07A	Soil	12/14/21	12/17/21	Glass Jar, 4 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Apollo A Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 12/20/2021 3:12:18PM
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SP1 Surface

E112076-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2151032	
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.3 %	70-130		12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2151032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.1 %	70-130		12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KL		Batch: 2151031	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>	105 %	50-200		12/17/21	12/17/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2151033	
Chloride	280	20.0	1	12/17/21	12/17/21	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/20/2021 3:12:18PM

SP2 Surface

E112076-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: RKS		Batch: 2151032
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2151032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.4 %	70-130	12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KL		Batch: 2151031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/17/21	12/17/21	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2151033
Chloride	47.8	20.0	1	12/17/21	12/17/21	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/20/2021 3:12:18PM

SP 2 4'

E112076-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2151031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		12/17/21	12/17/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2151033
Chloride	ND	20.0	1	12/17/21	12/17/21	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/20/2021 3:12:18PM

SP 3 Surface

E112076-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.7 %	70-130		12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2151031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		12/17/21	12/17/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2151033
Chloride	25.9	20.0	1	12/17/21	12/17/21	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/20/2021 3:12:18PM

SP 3 4'

E112076-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2151031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		12/17/21	12/17/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2151033
Chloride	ND	20.0	1	12/17/21	12/17/21	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/20/2021 3:12:18PM

SP4 Surface

E112076-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2151032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2151031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		12/17/21	12/17/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2151033
Chloride	1430	20.0	1	12/17/21	12/17/21	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
12/20/2021 3:12:18PM

SP4 4'

E112076-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: RKS		Batch: 2151032
Benzene	ND	0.0250	1	12/17/21	12/17/21	
Ethylbenzene	ND	0.0250	1	12/17/21	12/17/21	
Toluene	ND	0.0250	1	12/17/21	12/17/21	
o-Xylene	ND	0.0250	1	12/17/21	12/17/21	
p,m-Xylene	ND	0.0500	1	12/17/21	12/17/21	
Total Xylenes	ND	0.0250	1	12/17/21	12/17/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2151032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/21	12/17/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.5 %	70-130	12/17/21	12/17/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KL		Batch: 2151031
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/21	12/17/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/21	12/17/21	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/17/21	12/17/21	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2151033
Chloride	ND	20.0	1	12/17/21	12/17/21	



QC Summary Data

Tap Rock	Project Name:	Apollo A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/2021 3:12:18PM

Volatile Organics by EPA 8021B

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 (2151032-BLK1)

Prepared: 12/17/21 Analyzed: 12/17/21

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	7.99		8.00		99.9	70-130			

LCS (2151032-BS1)

Prepared: 12/17/21 Analyzed: 12/17/21

Benzene	4.35	0.0250	5.00		87.0	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.3	70-130			
Toluene	4.60	0.0250	5.00		92.0	70-130			
o-Xylene	4.65	0.0250	5.00		93.1	70-130			
p,m-Xylene	9.20	0.0500	10.0		92.0	70-130			
Total Xylenes	13.9	0.0250	15.0		92.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

LCS Dup (2151032-BS1)

Prepared: 12/17/21 Analyzed: 12/17/21

Benzene	4.29	0.0250	5.00		85.7	70-130	1.47	20	
Ethylbenzene	4.46	0.0250	5.00		89.2	70-130	1.29	20	
Toluene	4.53	0.0250	5.00		90.7	70-130	1.44	20	
o-Xylene	4.60	0.0250	5.00		92.0	70-130	1.16	20	
p,m-Xylene	9.07	0.0500	10.0		90.7	70-130	1.32	20	
Total Xylenes	13.7	0.0250	15.0		91.2	70-130	1.27	20	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



QC Summary Data

Tap Rock	Project Name:	Apollo A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/2021 3:12:18PM

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 (2151032-BLK1)

Prepared: 12/17/21 Analyzed: 12/17/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.16		8.00		102	70-130			

LCS (2151032-BS2)

Prepared: 12/17/21 Analyzed: 12/17/21

Gasoline Range Organics (C6-C10)	56.6	20.0	50.0		113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.34		8.00		104	70-130			

LCS Dup (2151032-BSD2)

Prepared: 12/17/21 Analyzed: 12/17/21

Gasoline Range Organics (C6-C10)	56.2	20.0	50.0		112	70-130	0.743	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.35		8.00		104	70-130			



QC Summary Data

Tap Rock	Project Name:	Apollo A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/2021 3:12:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KL

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 (2151031-BLK1)

Prepared: 12/17/21 Analyzed: 12/17/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	54.6		50.0		109	50-200			

LCS (2151031-BS1)

Prepared: 12/17/21 Analyzed: 12/17/21

Diesel Range Organics (C10-C28)	485	25.0	500		97.0	38-132			
Surrogate: <i>n</i> -Nonane	56.6		50.0		113	50-200			

Matrix Spike (2151031-MS1)

Source: E112076-05

Prepared: 12/17/21 Analyzed: 12/17/21

Diesel Range Organics (C10-C28)	595	25.0	500	ND	119	38-132			
Surrogate: <i>n</i> -Nonane	71.1		50.0		142	50-200			

Matrix Spike Dup (2151031-MSD1)

Source: E112076-05

Prepared: 12/17/21 Analyzed: 12/17/21

Diesel Range Organics (C10-C28)	495	25.0	500	ND	99.0	38-132	18.3	20	
Surrogate: <i>n</i> -Nonane	58.8		50.0		118	50-200			



QC Summary Data

Tap Rock	Project Name:	Apollo A	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/2021 3:12:18PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2151033-BLK1)					Prepared: 12/17/21 Analyzed: 12/17/21				
Chloride	ND	20.0							
LCS (2151033-BS1)					Prepared: 12/17/21 Analyzed: 12/17/21				
Chloride	251	20.0	250		101	90-110			
LCS Dup (2151033-BSD1)					Prepared: 12/17/21 Analyzed: 12/17/21				
Chloride	256	20.0	250		102	90-110	1.96	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

Tap Rock	Project Name:	Apollo A	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/20/21 15:12

- 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.





Envirotech Analytical Laboratory

Printed: 12/20/2021 2:53:23PM

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:	Tap Rock	Date Received:	12/17/21 15:35	Work Order ID:	E112076
Phone:	(575) 390-6397	Date Logged In:	12/16/21 15:35	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	12/17/21 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
2. Does the number of samples per sampling site location match the COC? No
3. Were samples dropped off by client or carrier? No
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? No

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

Carrier: FedEx**Comments/Resolution****Sample Turn Around Time (TAT)**

6. Did the COC indicate standard TAT, or Expedited TAT? No

Sample Cooler

7. Was a sample cooler received? No
8. If yes, was cooler received in good condition? NA
9. Was the sample(s) received intact, i.e., not broken? No
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 temp is 4°C, i.e., 6°±2°C? No

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? No
19. Is the appropriate volume/weight or number of sample containers collected? No

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? No
 - Date/Time Collected? No
 - Collectors name? No

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: n/a

Client Instruction

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

Date



envirotech Inc.

Report to:

Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Apollo A CTB

Work Order: E203123

Job Number: 20046-0001

Received: 3/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/22/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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.
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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)

Report to:
Natalie Gladden



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tap Rock

Project Name: Apollo A CTB

Work Order: E203135

Job Number: 20105-0002

Received: 3/22/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/23/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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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: 3/23/22

Natalie Gladden
7 W. Compress Road
Artesia, NM 88210



Project Name: Apollo A CTB
Workorder: E203135
Date Received: 3/22/2022 10:20:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/22/2022 10:20:00AM, under the Project Name: Apollo A CTB.

The analytical test results summarized in this report with the Project Name: Apollo A CTB 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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Alexa Michaels
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labadmin@envirotech-inc.com

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Rayny Hagan
Technical Representative
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Tap Rock	Project Name:	Apollo A CTB	Reported: 03/23/22 16:31
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW Comp 1	E203135-01A	Soil	03/18/22	03/22/22	Glass Jar, 4 oz.
SW Comp 2	E203135-02A	Soil	03/18/22	03/22/22	Glass Jar, 4 oz.
SW Comp 3	E203135-03A	Soil	03/18/22	03/22/22	Glass Jar, 4 oz.
SW Comp 4	E203135-04A	Soil	03/18/22	03/22/22	Glass Jar, 4 oz.



Sample Data

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20105-0002	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/23/2022 4:31:14PM

SW Comp 1

E203135-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2213027
Benzene	ND	0.0250	1	03/22/22	03/22/22	
Ethylbenzene	ND	0.0250	1	03/22/22	03/22/22	
Toluene	ND	0.0250	1	03/22/22	03/22/22	
o-Xylene	ND	0.0250	1	03/22/22	03/22/22	
p,m-Xylene	ND	0.0500	1	03/22/22	03/22/22	
Total Xylenes	ND	0.0250	1	03/22/22	03/22/22	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		03/22/22	03/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2213027
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/22/22	03/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.0 %	70-130		03/22/22	03/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2213025
Diesel Range Organics (C10-C28)	ND	25.0	1	03/22/22	03/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/22/22	03/22/22	
Surrogate: n-Nonane	88.1 %	50-200		03/22/22	03/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2213028
Chloride	41.5	20.0	1	03/22/22	03/22/22	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A CTB
Project Number: 20105-0002
Project Manager: Natalie Gladden

Reported:
3/23/2022 4:31:14PM

SW Comp 2

E203135-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213027	
Benzene	ND	0.0250	1	03/22/22	03/22/22	
Ethylbenzene	ND	0.0250	1	03/22/22	03/22/22	
Toluene	ND	0.0250	1	03/22/22	03/22/22	
o-Xylene	ND	0.0250	1	03/22/22	03/22/22	
p,m-Xylene	ND	0.0500	1	03/22/22	03/22/22	
Total Xylenes	ND	0.0250	1	03/22/22	03/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.8 %	70-130		03/22/22	03/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/22/22	03/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		03/22/22	03/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2213025	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/22/22	03/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/22/22	03/22/22	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		03/22/22	03/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2213028	
Chloride	40.1	20.0	1	03/22/22	03/22/22	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A CTB
Project Number: 20105-0002
Project Manager: Natalie Gladden

Reported:
3/23/2022 4:31:14PM

SW Comp 3

E203135-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213027
Benzene	ND	0.0250	1	03/22/22	03/22/22	
Ethylbenzene	ND	0.0250	1	03/22/22	03/22/22	
Toluene	ND	0.0250	1	03/22/22	03/22/22	
o-Xylene	ND	0.0250	1	03/22/22	03/22/22	
p,m-Xylene	ND	0.0500	1	03/22/22	03/22/22	
Total Xylenes	ND	0.0250	1	03/22/22	03/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		03/22/22	03/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213027
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/22/22	03/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		03/22/22	03/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213025
Diesel Range Organics (C10-C28)	ND	25.0	1	03/22/22	03/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/22/22	03/22/22	
<i>Surrogate: n-Nonane</i>						
	96.9 %	50-200		03/22/22	03/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2213028
Chloride	41.9	20.0	1	03/22/22	03/22/22	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A CTB
Project Number: 20105-0002
Project Manager: Natalie Gladden

Reported:
3/23/2022 4:31:14PM

SW Comp 4

E203135-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213027	
Benzene	ND	0.0250	1	03/22/22	03/22/22	
Ethylbenzene	ND	0.0250	1	03/22/22	03/22/22	
Toluene	ND	0.0250	1	03/22/22	03/22/22	
o-Xylene	ND	0.0250	1	03/22/22	03/22/22	
p,m-Xylene	ND	0.0500	1	03/22/22	03/22/22	
Total Xylenes	ND	0.0250	1	03/22/22	03/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		03/22/22	03/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/22/22	03/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		03/22/22	03/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2213025	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/22/22	03/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/22/22	03/22/22	
<i>Surrogate: n-Nonane</i>						
	97.6 %	50-200		03/22/22	03/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2213028	
Chloride	45.1	20.0	1	03/22/22	03/22/22	



QC Summary Data

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/23/2022 4:31:14PM

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 (2213027-BLK1)

Prepared: 03/22/22 Analyzed: 03/22/22

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	7.49		8.00		93.6	70-130			

LCS (2213027-BS1)

Prepared: 03/22/22 Analyzed: 03/22/22

Benzene	4.54	0.0250	5.00		90.8	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130			
Toluene	4.90	0.0250	5.00		98.1	70-130			
o-Xylene	4.65	0.0250	5.00		93.0	70-130			
p,m-Xylene	9.56	0.0500	10.0		95.6	70-130			
Total Xylenes	14.2	0.0250	15.0		94.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			

LCS Dup (2213027-BSD1)

Prepared: 03/22/22 Analyzed: 03/22/22

Benzene	4.89	0.0250	5.00		97.7	70-130	7.34	20	
Ethylbenzene	5.05	0.0250	5.00		101	70-130	7.35	20	
Toluene	5.27	0.0250	5.00		105	70-130	7.17	20	
o-Xylene	5.01	0.0250	5.00		100	70-130	7.50	20	
p,m-Xylene	10.3	0.0500	10.0		103	70-130	7.19	20	
Total Xylenes	15.3	0.0250	15.0		102	70-130	7.29	20	
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			



QC Summary Data

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/23/2022 4:31:14PM

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 (2213027-BLK1)

Prepared: 03/22/22 Analyzed: 03/22/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			

LCS (2213027-BS2)

Prepared: 03/22/22 Analyzed: 03/22/22

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0		94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

LCS Dup (2213027-BSD2)

Prepared: 03/22/22 Analyzed: 03/22/22

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		92.9	70-130	1.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			



QC Summary Data

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/23/2022 4:31:14PM

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 (2213025-BLK1)

Prepared: 03/22/22 Analyzed: 03/23/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.5		50.0		96.9	50-200			

LCS (2213025-BS1)

Prepared: 03/22/22 Analyzed: 03/22/22

Diesel Range Organics (C10-C28)	492	25.0	500		98.4	38-132			
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			

Matrix Spike (2213025-MS1)

Source: E203134-02

Prepared: 03/22/22 Analyzed: 03/22/22

Diesel Range Organics (C10-C28)	503	25.0	500	ND	101	38-132			
Surrogate: n-Nonane	42.0		50.0		84.1	50-200			

Matrix Spike Dup (2213025-MSD1)

Source: E203134-02

Prepared: 03/22/22 Analyzed: 03/22/22

Diesel Range Organics (C10-C28)	498	25.0	500	ND	99.7	38-132	0.873	20	
Surrogate: n-Nonane	45.2		50.0		90.4	50-200			



QC Summary Data

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20105-0002	
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/23/2022 4:31:14PM

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 (2213028-BLK1)

Prepared: 03/22/22 Analyzed: 03/22/22

Chloride	ND	20.0							
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LCS (2213028-BS1)

Prepared: 03/22/22 Analyzed: 03/22/22

Chloride	270	20.0	250		108	90-110			
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LCS Dup (2213028-BSD1)

Prepared: 03/22/22 Analyzed: 03/22/22

Chloride	271	20.0	250		109	90-110	0.488	20	
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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

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20105-0002	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	03/23/22 16:31

- 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: <u>Tap Rock</u>		Bill To		Lab Use Only				TAT				EPA Program						
Project: <u>Appl A CTB</u>		Attention: <u>ESS</u>		Lab WO#		Job Number		1D	2D	3D	Standard	CWA		SDWA				
Project Manager:		Address: <u>2724 NW CR</u>		<u>E 203135</u>		<u>20046-0001</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
Address:		City, State, Zip <u>Rocky, NM 88240</u>		Analysis and Method										RCRA				
City, State, Zip		Phone:		RO by 8015	RO by 8015	W 8021	8260	6010	le 300.0		NM	TX	State					
Phone:		Email: <u>Nutlie</u>											NM	CO	UT	AZ	TX	
Email:													<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Report due by:																		

[illegible]

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.

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) <i>[Signature]</i>	Date 3-21-22	Time 14:54	Received by: (Signature) <i>[Signature]</i>	Date 3/21/22	Time 14:54	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N
Relinquished by: (Signature) <i>[Signature]</i>	Date 3/21/22	Time 16:00	Received by: (Signature) <i>[Signature]</i>	Date 3/22/22	Time 10:20	
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: 3/22/2022 2:53:35PM

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:	Tap Rock	Date Received:	03/22/22 10:20	Work Order ID:	E203135
Phone:	(575) 390-6397	Date Logged In:	03/22/22 08:21	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	03/22/22 17:00 (0 day TAT)		

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? No
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 time, are not included in this discussion.

Carrier: UPSComments/Resolution

Sampled times and project manager not provided on COC.

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 temp 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?	No
Collectors name?	No

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 Instruction

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

Date



envirotech Inc.

Date Reported: 3/22/22



Natalie Gladden
7 W. Compress Road
Artesia, NM 88210

Project Name: Apollo A CTB
Workorder: E203123
Date Received: 3/21/2022 7:40:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/21/2022 7:40:00AM, under the Project Name: Apollo A CTB.

The analytical test results summarized in this report with the Project Name: Apollo A CTB 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
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Rayny Hagan
Technical Representative
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	03/22/22 18:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Comp 1	E203123-01A	Soil	03/18/22	03/21/22	Glass Jar, 4 oz.
Comp 2	E203123-02A	Soil	03/18/22	03/21/22	Glass Jar, 4 oz.
Comp 3	E203123-03A	Soil	03/18/22	03/21/22	Glass Jar, 4 oz.



Sample Data

Tap Rock 7 W. Compress Road Artesia NM, 88210	Project Name: Apollo A CTB Project Number: 20046-0001 Project Manager: Natalie Gladden	Reported: 3/22/2022 6:12:33PM
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Comp 1
E203123-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213003
Benzene	ND	0.0250	1	03/21/22	03/21/22	
Ethylbenzene	ND	0.0250	1	03/21/22	03/21/22	
Toluene	ND	0.0250	1	03/21/22	03/21/22	
o-Xylene	ND	0.0250	1	03/21/22	03/21/22	
p,m-Xylene	ND	0.0500	1	03/21/22	03/21/22	
Total Xylenes	ND	0.0250	1	03/21/22	03/21/22	
Surrogate: Bromofluorobenzene	92.2 %	70-130		03/21/22	03/21/22	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		03/21/22	03/21/22	
Surrogate: Toluene-d8	97.5 %	70-130		03/21/22	03/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213003
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/22	03/21/22	
Surrogate: Bromofluorobenzene	92.2 %	70-130		03/21/22	03/21/22	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		03/21/22	03/21/22	
Surrogate: Toluene-d8	97.5 %	70-130		03/21/22	03/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/22	03/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/22	03/21/22	
Surrogate: n-Nonane	83.0 %	50-200		03/21/22	03/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213005
Chloride	34.7	20.0	1	03/21/22	03/21/22	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A CTB
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/22/2022 6:12:33PM

Comp 2
E203123-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213003
Benzene	ND	0.0250	1	03/21/22	03/21/22	
Ethylbenzene	ND	0.0250	1	03/21/22	03/21/22	
Toluene	ND	0.0250	1	03/21/22	03/21/22	
o-Xylene	ND	0.0250	1	03/21/22	03/21/22	
p,m-Xylene	ND	0.0500	1	03/21/22	03/21/22	
Total Xylenes	ND	0.0250	1	03/21/22	03/21/22	
Surrogate: Bromofluorobenzene	93.7 %	70-130		03/21/22	03/21/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/21/22	03/21/22	
Surrogate: Toluene-d8	98.2 %	70-130		03/21/22	03/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213003
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/22	03/21/22	
Surrogate: Bromofluorobenzene	93.7 %	70-130		03/21/22	03/21/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/21/22	03/21/22	
Surrogate: Toluene-d8	98.2 %	70-130		03/21/22	03/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213015
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/22	03/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/22	03/21/22	
Surrogate: n-Nonane	90.1 %	50-200		03/21/22	03/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213005
Chloride	61.2	20.0	1	03/21/22	03/21/22	



Sample Data

Tap Rock
7 W. Compress Road
Artesia NM, 88210

Project Name: Apollo A CTB
Project Number: 20046-0001
Project Manager: Natalie Gladden

Reported:
3/22/2022 6:12:33PM

Comp 3
E203123-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213003	
Benzene	ND	0.0250	1	03/21/22	03/21/22	
Ethylbenzene	ND	0.0250	1	03/21/22	03/21/22	
Toluene	ND	0.0250	1	03/21/22	03/21/22	
o-Xylene	ND	0.0250	1	03/21/22	03/21/22	
p,m-Xylene	ND	0.0500	1	03/21/22	03/21/22	
Total Xylenes	ND	0.0250	1	03/21/22	03/21/22	
Surrogate: Bromofluorobenzene	92.9 %	70-130		03/21/22	03/21/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/21/22	03/21/22	
Surrogate: Toluene-d8	97.1 %	70-130		03/21/22	03/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/21/22	03/21/22	
Surrogate: Bromofluorobenzene	92.9 %	70-130		03/21/22	03/21/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/21/22	03/21/22	
Surrogate: Toluene-d8	97.1 %	70-130		03/21/22	03/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2213015	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/22	03/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/22	03/21/22	
Surrogate: n-Nonane	91.7 %	50-200		03/21/22	03/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2213005	
Chloride	47.8	20.0	1	03/21/22	03/21/22	



QC Summary Data

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/22/2022 6:12:33PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2213003-BLK1)

Prepared: 03/21/22 Analyzed: 03/21/22

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	0.459		0.500		91.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

LCS (2213003-BS1)

Prepared: 03/21/22 Analyzed: 03/21/22

Benzene	2.50	0.0250	2.50		100	70-130			
Ethylbenzene	2.57	0.0250	2.50		103	70-130			
Toluene	2.58	0.0250	2.50		103	70-130			
o-Xylene	2.47	0.0250	2.50		99.0	70-130			
p,m-Xylene	5.00	0.0500	5.00		100	70-130			
Total Xylenes	7.47	0.0250	7.50		99.6	70-130			
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			

LCS Dup (2213003-BSD1)

Prepared: 03/21/22 Analyzed: 03/21/22

Benzene	2.55	0.0250	2.50		102	70-130	1.70	23	
Ethylbenzene	2.62	0.0250	2.50		105	70-130	2.06	27	
Toluene	2.63	0.0250	2.50		105	70-130	2.02	24	
o-Xylene	2.53	0.0250	2.50		101	70-130	2.26	27	
p,m-Xylene	5.11	0.0500	5.00		102	70-130	2.19	27	
Total Xylenes	7.64	0.0250	7.50		102	70-130	2.21	27	
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			



QC Summary Data

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/22/2022 6:12:33PM

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 (2213003-BLK1)

Prepared: 03/21/22 Analyzed: 03/21/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.459		0.500		91.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

LCS (2213003-BS2)

Prepared: 03/21/22 Analyzed: 03/21/22

Gasoline Range Organics (C6-C10)	59.1	20.0	50.0		118	70-130			
Surrogate: Bromofluorobenzene	0.477		0.500		95.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

LCS Dup (2213003-BSD2)

Prepared: 03/21/22 Analyzed: 03/21/22

Gasoline Range Organics (C6-C10)	57.6	20.0	50.0		115	70-130	2.48	20	
Surrogate: Bromofluorobenzene	0.463		0.500		92.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



QC Summary Data

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/22/2022 6:12:33PM

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 (2213015-BLK1)

Prepared: 03/21/22 Analyzed: 03/21/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	44.1		50.0		88.2	50-200			

LCS (2213015-BS1)

Prepared: 03/21/22 Analyzed: 03/21/22

Diesel Range Organics (C10-C28)	479	25.0	500		95.9	38-132			
Surrogate: <i>n</i> -Nonane	40.3		50.0		80.5	50-200			

Matrix Spike (2213015-MS1)

Source: E203123-03

Prepared: 03/21/22 Analyzed: 03/21/22

Diesel Range Organics (C10-C28)	471	25.0	500	ND	94.2	38-132			
Surrogate: <i>n</i> -Nonane	40.3		50.0		80.6	50-200			

Matrix Spike Dup (2213015-MSD1)

Source: E203123-03

Prepared: 03/21/22 Analyzed: 03/21/22

Diesel Range Organics (C10-C28)	466	25.0	500	ND	93.2	38-132	1.06	20	
Surrogate: <i>n</i> -Nonane	40.4		50.0		80.9	50-200			



QC Summary Data

Tap Rock	Project Name:	Apollo A CTB	Reported:
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	3/22/2022 6:12:33PM

Anions by EPA 300.0/9056A

Analyst: KL

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 (2213005-BLK1)

Prepared: 03/21/22 Analyzed: 03/21/22

Chloride ND 20.0

LCS (2213005-BS1)

Prepared: 03/21/22 Analyzed: 03/21/22

Chloride 252 20.0 250 101 90-110

LCS Dup (2213005-BSD1)

Prepared: 03/21/22 Analyzed: 03/21/22

Chloride 255 20.0 250 102 90-110 1.22 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

Tap Rock	Project Name:	Apollo A CTB	
7 W. Compress Road	Project Number:	20046-0001	Reported:
Artesia NM, 88210	Project Manager:	Natalie Gladden	03/22/22 18:12

- 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.



Project Information

Chain of Custody

Page 1 of 1

Client: <u>Tap Rock</u>				Bill To				Lab Use Only				TAT				EPA Program			
Project: <u>Hollo A C75</u>				Attention: <u>ESS</u>				Lab WO# <u>E203123</u>				Job Number <u>20046-0001</u>				1D <input checked="" type="checkbox"/> 2D <input checked="" type="checkbox"/> 3D <input type="checkbox"/>		Standard	
Project Manager:				Address: <u>2724 NW CR</u>				Analysis and Method								CWA		SDWA	
Address:				City, State, Zip <u>Holbrook, NM 88240</u>												RCRA			
City, State, Zip				Phone:															
Email:				Email: <u>Natalie</u>															
Report due by:																			
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			BGDOC NM	BGDOC TX			State	
	3-18	S	1	Comp 1	1									X				NM	
	}	}	}	Comp 2	2									X				CO	
	}	}	}	Comp 3	3									X				UT	
																		AZ	
																		TX	
																		Remarks	

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]

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: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>[Signature]</u>	3-18-22	1:05pm	<u>[Signature]</u>	3-18-22	1305	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>	3-18-22	1050	<u>Carla Chute</u>	3/21/22	7:40	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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: 3/21/2022 8:47:00AM

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:	Tap Rock	Date Received:	03/21/22 07:40	Work Order ID:	E203123
Phone:	(575) 390-6397	Date Logged In:	03/21/22 07:54	Logged In By:	Caitlin Christian
Email:	natalie@energystaffingllc.com	Due Date:	03/21/22 17:00 (0 day TAT)		

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? No
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 time, are not included in this discussion.

Carrier: CarrierComments/Resolution

Sampled times not provided on coc.

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 temp 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? No
 - Collectors name? No

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 Instruction

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

Date



envirotech Inc.



APOLLO A CTB

FINAL PHOTOS









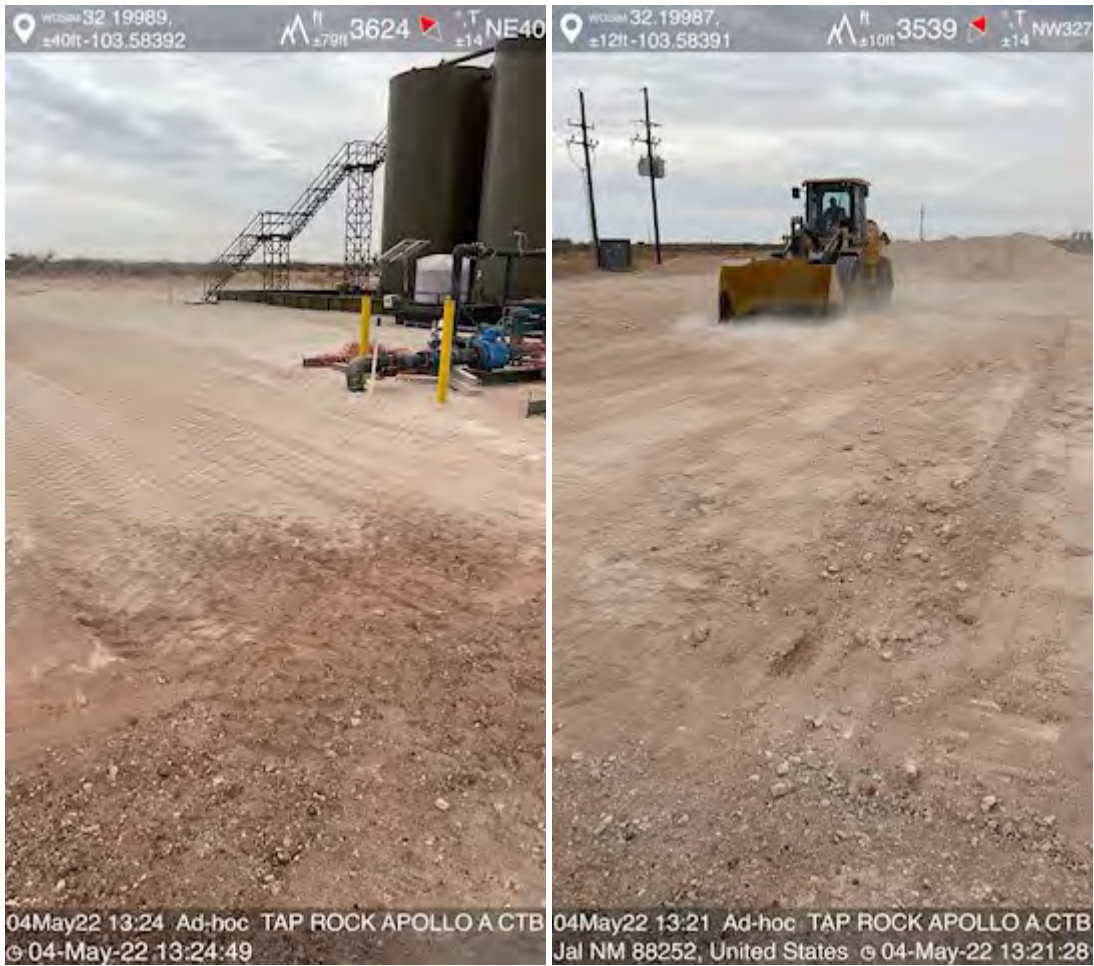




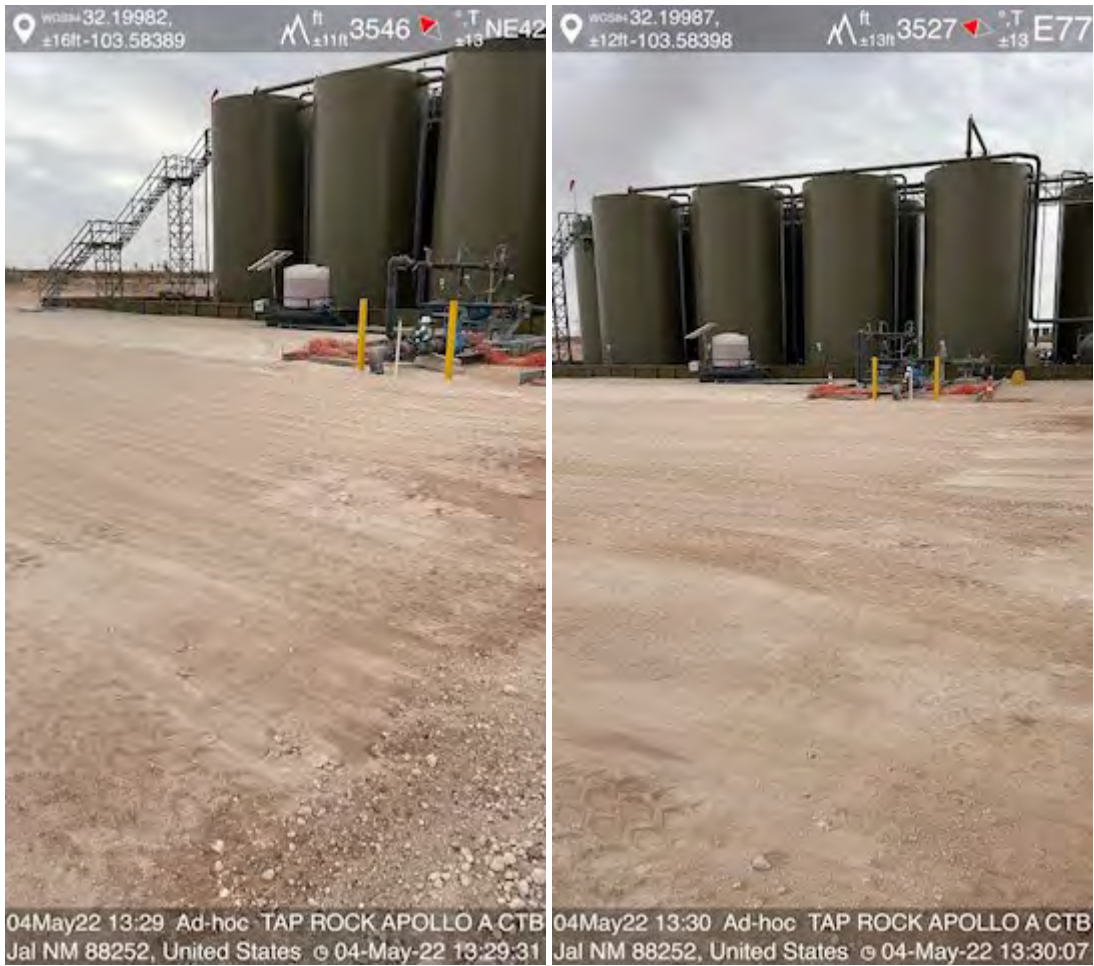


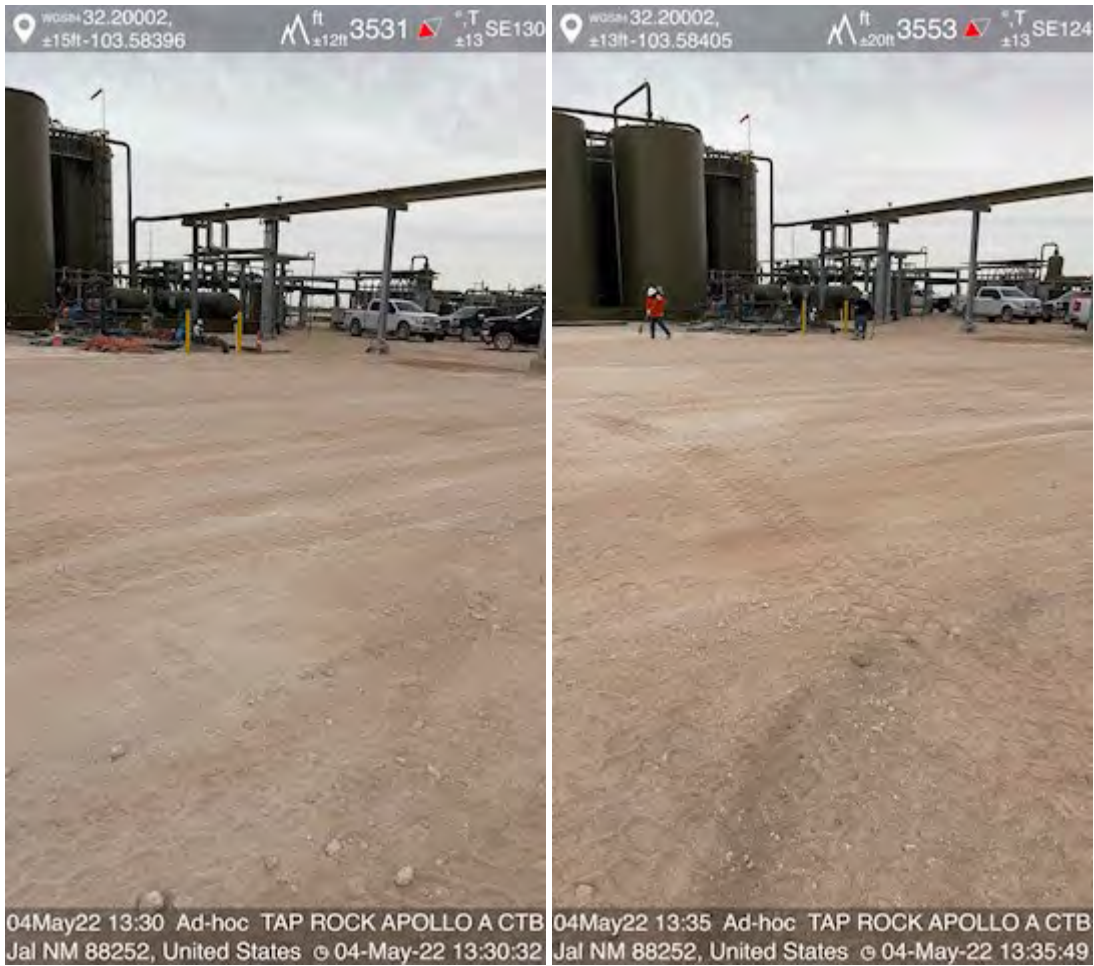


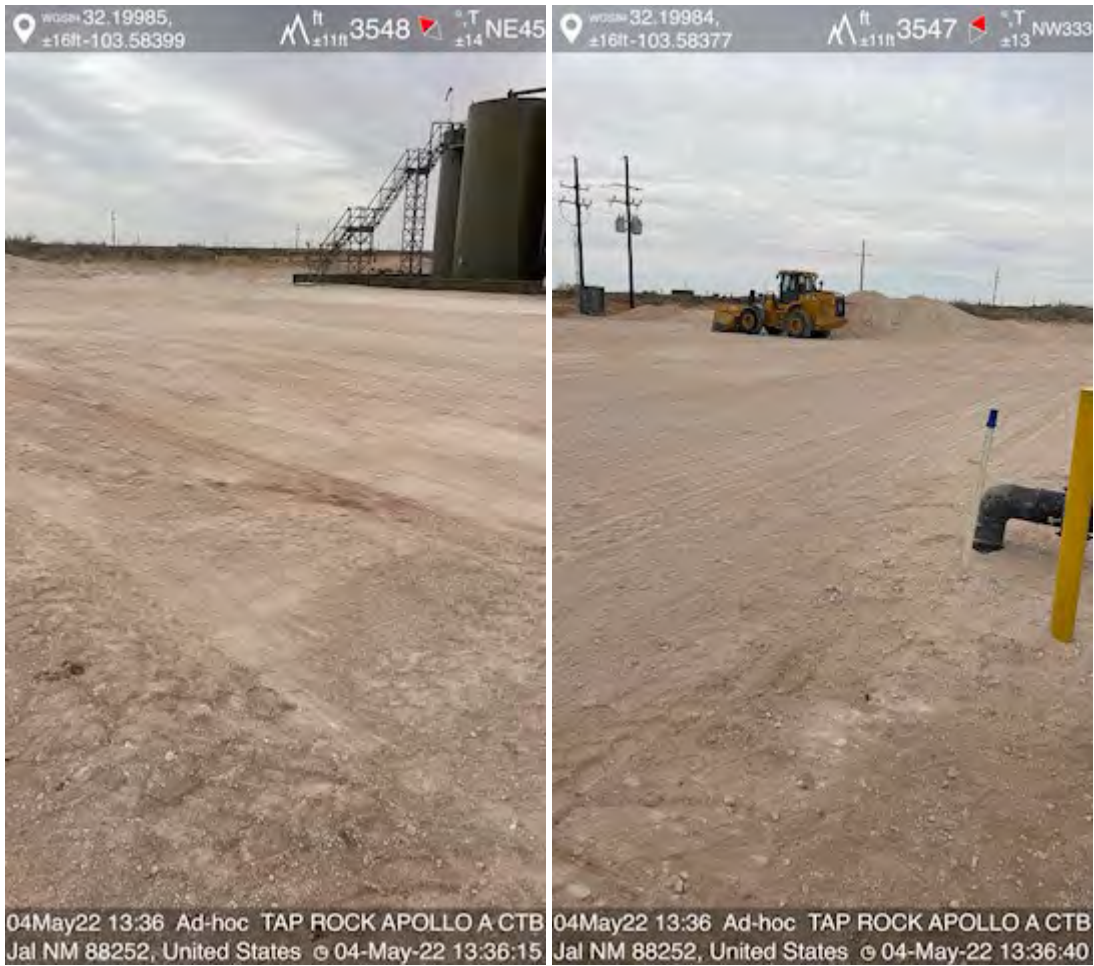
















Incident ID	
District RP	
Facility ID	
Application ID	

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?

<50 (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.

Form C-141

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: NATALIE GLADDEN Title: DIRECTOR OF ENVIRONMENTAL AND REGULATORYSignature:  Date: 7/11/22email: natalie@energystaffingllc.comTelephone: 575-390-6397**OCD Only**

Received by: _____

Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate OCD 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: Natalie Gladden Title: Director of Environmental and Regulatory

Signature:  Date: 7-11-22

email: natalie@energystaffingllc.com Telephone: 575-390-6397

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: 07/19/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

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 124188

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 124188
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	7/19/2022