

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ Since 1996

March 16, 2023

Mr. Mike Bratcher
Incidents Group Supervisor
Via e-mail

RE: Avant Natural Resources – NAPP2236251070
CHILI PEPPER/LIMESTONE RANCH @ D-17-23S-35E ON OE
Site Characterization/Assessment/Closure Report

Mr. Bratcher:

On behalf of Avant Natural Resources, R.T. Hicks Consultants prepared the above-referenced submittal. Because the fluid source of the release was a fresh water rinse of flow lines, we were not surprised that the sampling results documenting concentrations below all Table 1 limits and Rule 29 reclamation limits (chloride < 600 mg/kg). Because of these results, we have several questions about final closure of this incident, which are summarized in a separate communication.

Per Rule 29, this report includes the following elements, unless otherwise *noted*:

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data are *not included* because we employed laboratory data rather than field screening.
- 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 are included in the cross-section in the package.
- Site photographs
- Topographic/Aerial maps.
- Laboratory data including chain of custody.

Please contact me if you have any questions regarding this submission. Pride Energy transmitted a copy of this submittal to the surface landowner.

Sincerely,
R.T. Hicks Consultants



Randall Hicks, PG
Principal

R. T. HICKS CONSULTANTS, LTD.

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Auger sampling of soils at Avant Chili Pepper Release

PRELIMINARY SITE VISIT

- Flex Oilfield Services (Flex) is responsible as the excavator to ensure clearance from the “one-call” service for underground facilities location before any excavation begins. Entire release area plus 50 feet buffer will be covered in the one-call.
- RT Hicks Consultants (Aaron Garcia, contractor) will visit the site in advance of drilling and
 - select more than 3 but less than 6 possible sample locations (includes one background location)
 - take photos of the release footprint and background locations
 - walk the release boundary with GPS unit to create an outline polygon that is modified to a kmz for use with Google Earth
- After site visit
 - transmit photos and kmz of spill outline to Randall Hicks
 - Randall Hicks will create site map on Google Earth from kmz provided by Aaron Garcia
 - discuss potential locations with Randall Hicks via Teams with photos from the location and site map. Locations and number of bores may change based upon findings of the inspection and conversations.
- RT Hicks Consultants (Aaron Garcia, contractor) will pick up coolers, sample jars, Chain of Custody, etc. from Cardinal Laboratories at least 1-day before scheduled sampling/boring.

SAMPLE LOCATION SELECTION

The image below shows the Avant Natural Resources spill release footprint relative to the EOG Chili Pepper Containment and preliminary selection of boring locations. The release footprint is approximately 3750 square yards. On or after Tuesday, January 24, under the direction of R.T. Hicks Consultants, Aaron Garcia and Flex Oilfield Services will:

1. Mark two locations in areas of obvious pooling and/or along the obvious major flow path of the release.
2. Mark two locations within the footprint but within 1-2 feet of the obvious edge of the area impacted.
3. Mark 2 borings as necessary to provide for adequate characterization of the release – one boring for every 1000 square feet.
4. Mark a boring outside of the footprint in to represent background conditions.



PROCEDURE

Flex Oilfield Services drill the selected borings using an auger mounted on a skid-steer/bobcat capable of drilling a post hole to 4.5 feet.

1. Conduct field safety meeting on site prior to commencing work.
2. At each location, advance drill to 4 ft BGS and slowly remove auger from hole.
3. RT Hicks Consultants (Aaron Garcia, contractor) will collect soil sample from stem of auger drill as composite samples from these depth intervals
 - a. 0-4 ft
 - b. 0-2 ft
 - c. 2-4 ft
 - d. Write boring # and depth on top of sample jar
 - e. In log book, describe sample by color, grain size (sand, silt, clay, caliche, rock), and other characteristics as necessary (e.g., petroleum odor, moist, dry, hard, soft, etc.)
 - f. Take photo of boring with labeled sample jar. Use lat/long indicator with camera.
4. Keeping the drill stem as plumb as possible, return to the hole and advance auger to approximately 4.25 ft BGS and slowly remove from hole. RT Hicks Consultants (Aaron Garcia, contractor) will collect a soil sample from this 0.25 foot interval.
5. Backfill hole with remaining cuttings using a shovel.
6. Repeat at each sample point.
7. Place jarred samples with identification on jar tops in plastic bags on ice in cooler with two chain of custody forms
 - a. One for samples 0-4 feet and 4.25 feet from each location and
 - b. One for "possible analysis of samples 0-2 feet and 2-4 feet.
8. Affix sample labels provided by Cardinal (or equivalent) to each jar and place replace in plastic bag on ice.
9. Deliver to Cardinal Labs the day after sampling.
10. Modify protocols to fit field conditions are necessary.

C-141

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: Avant Natural Resources	OGRID: 330396
Contact Name: Braden Harris	Contact Telephone: 406-600-3310
Contact email: braden@avantnr.com	Incident # (assigned by OCD)
Contact mailing address: 1515 Wynkoop Street, Suite 700	Denver, CO 80202

Location of Release Source

Latitude: 32.31136

Longitude: -103.39228

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Chili Pepper/Limestone Ranch	Site Type: Transfer Line from Produced Water Frac Pond
Date Release Discovered: 12/16/22	API# (if applicable)

Unit Letter	Section	Township	Range	County
D	17	23S	35E	Lea County

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

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): Unknown > 20bbls	Volume Recovered (bbls): 0 bbls – soaked into ground
	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: Line was broken by transfer company.

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Release will be assumed to be a minor release until more data is available.
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. Not required – water soaked into soil.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. Not required.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately. All fluids soaked into ground.

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: Braden Harris Title: Senior VP Operations

Signature:  Date: 12/22/22

email: braden@avantnr.com Telephone: 406-600-3310

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2236251070
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Site Assessment/Characterization

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

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

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

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

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

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


Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NAPP2236251070
District RP	
Facility ID	
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Braden Harris Title: Senior VP Operations
Signature:  Date: 3/16/23
email: braden@avantnr.com Telephone: 406-600-3310

OCD Only

Received by: Jocelyn Harimon Date: 04/14/2023

Incident ID	
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Application ID	

Remediation Plan NOT APPLICABLE

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: NOT APPLICABLE Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Form C-141

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State of New Mexico
Oil Conservation Division

Incident ID	NAPP2236251070
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Closure

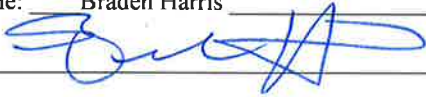
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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) **NOT APPLICABLE**
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) **NA**
- ☐ Description of remediation activities **NA**

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: Braden Harris Title: Senior_VP Operations

Signature:  Date: 3/16/23

email: braden@avantnr.com Telephone: 406-600-3310

OCD Only

Received by: Jocelyn Harimon Date: 04/14/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

SITE ASSESSMENT & CHARACTERIZATION

TEXT AND FIGURES

PLATES

CHILI PEPPER RELEASE – CHARACTERIZATION AND CLOSURE REPORT

AVANT NATURAL RESOURCES

Site Characteristics

The Chili Pepper release site source was a pipe failure of a water transfer line that occurred when the near-empty line was flushed with fresh water to clear residual produced water. Rather than capture of all the fresh water flush, some of the mixture of produced water and fresh water released to the ground.

The site is adjacent to the EOG Chili Pepper Rule 34 Containment. The southern boundary of the release footprint is adjacent to the northern game fence of the Containment.

Geology and Depth to Groundwater

Plate 1 is a topographic map with water wells from three databases: USGS, NM Office of the State Engineer and Hicks Consultants (Misc. wells). An important feature discussed below is the San Simon Sink, which is the lowest area of a nearly 20-mile long depression trending northwest to southeast. Most geologists attribute this depression, and smaller depressions like the Bell Lake Sink, as a product of subsidence of Post-Permian bedrock caused by solution of salt in the Permian salt horizons (e.g., Castile) and/or salt flow.

Plate 2 is the State of New Mexico geologic map showing USGS and Misc. groundwater elevation data with the year of measurement. Also shown on this Plate is our interpretation of the potentiometric surface. As described below, we believe data are solid and well-spaced, creating a sound basis for a good prediction of the groundwater elevation beneath the release site.

Near the Chili Pepper release are two relatively recent groundwater measurements:

1. About 3 miles southwest are data from Misc-43, USGS-14071 and USGS-14143. All three measurements are from the same well cluster labeled “Deep Wells” on the USGS Topographic map (see Appendix Well Logs & USGS Data). As shown in the Appendix, USGS-14071 the location is listed as Section 23, not Section 26. Air photographs do not provide any evidence of wells at the latitude/longitude provided in the USGS database in Section 26. Several wells exist in the Deep Wells corral shown in the image in the Appendix and Hicks Consultants measured one of these wells on 10/10/2013. The data from 1966 to 2013 show the groundwater surface varied by only 2-feet from 1966-1982. In 2013, groundwater elevation was 12-feet lower. We consider this small variation representative of a stable potentiometric surface.
2. About 3.5 miles northeast of the release is the second cluster of data at the Dee Well site: Misc-30/31, USGS-14385 and USGS-14397. As explained in the Appendix Well Logs and USGS Data, our 2013 site visit identified two wells, one plugged, at this location. All data from this site are from these two adjacent wells and clearly demonstrate a groundwater surface elevation variation of less than 3 feet over the 50+ year record.

Slightly more than 1.5 miles to the west-northwest from the release site is the Wood Well cluster of data that consists of USGS-14300, USGS-14301 & Misc.- 34. We believe these data are valid for estimating the groundwater surface near the site with a high degree of certainty.

The stability of groundwater elevation over the decades support the conclusion that older data are useful in determining the groundwater elevation at the release site and thence the depth to this groundwater surface.

One well located along the southwest border of Plate 2, USGS-14325, displays a surprising 40-foot rise in groundwater elevation between 1996 and 2013. While we cannot explain this data point in the USGS database, the distance from the release site and the proximity of data documenting stable groundwater elevation causes us to disregard this one measurement.

SECTION 35 RELEASE CHARACTERIZATION PLAN

VINTAGE DRILLING, LLC

Finally, a boring at the Chili Pepper Rule 34 Containment documents a dry hole to 75-feet and the well log of CP-1830 (1.5 miles southwest) records first water between 170-350 below surface. The logs for these borings are in the Appendix Well Logs & USGS Data.

We conclude with a high degree of scientific certainty that:

- Groundwater elevation beneath the Chili Pepper release site is probably 3200 feet ASL and less than 3240 feet ASL
- Given the surface elevation of the release of about 3364, depth to groundwater is more than $(3364-3240=)$ 144 feet

Nearby Water Supply Wells

Plate 1 shows OSE, USGS and Misc. Database wells. Closest wells to the site for which data exists are:

- Wood Well, described above,
- CP-1830, described above,

Nearby Municipalities and Public Water Supplies

Plate 3 shows:

- The nearest incorporated municipality is Eunice, about 15 miles northeast. Eunice has public water supply wells south and west of the city as shown.
- Jal is about 17 miles southeast and public water supply wells exist within and southwest of the City of Jal.

Nearest Mapped Mines

Plate 4 shows

- the nearest mine is a surface caliche pit shown in the northeast corner of Plate 4.
- No underground mines are present in the area.

BLM Mapped Karst Potential

Plate 5 shows that the release site is within an area mapped as low karst potential.

- We observed no collapse features or solution cavities associated with karst.
- The ground appears stable, although we found an antidotal report of a small collapse in the San Simon Sink in the early-mid 1900s.

Nearest FEMA Mapped Flood Hazards

The closest FEMA mapped flood hazard is in Jal as shown in Plate 6.

Nearby Surface Water

Plate 7 shows mapped water bodies.

- The closest watercourse is an ephemeral stream slightly more than 3 miles south-southwest .
- Within the San Simon Sink are three mapped Lake/Ponds, about 1 mile southeast and east.

Nearby Structures

Plate 8 is a recent aerial photograph demonstrating that nearby structures consist of

- The EOG Chili Pepper Rule 34 Containment
- Roads, pipelines, and production/drilling pads

SECTION 35 RELEASE CHARACTERIZATION PLAN

VINTAGE DRILLING, LLC

Nearest Wetlands (New Mexico Database)

Plate 9 shows that the nearest mapped wetland on the New Mexico database is about 1 mile west-southwest and appears to be an irrigation water storage pond.

Release Footprint Characterization Protocol

Flex Oilfield Services obtained clearance from the NM811 “one-call” service for underground facilities location before any excavation. Aaron Garcia, contractor to RT Hicks Consultants, was responsible for the collection, storage, integrity, and transport of all samples. Appendix Sampling Protocol describes the procedure.

On January 3, 2023, Hicks Consultants sampled seven (7) locations at the site (see Figure 1). The samples were obtained from the following depth intervals and submitted to Cardinal Laboratories for analysis.

- a. 0-4 ft depth interval
- b. 0-2 foot depth
- c. 2-4 foot depth
- d. 4.3 feet.

Horizontal Characterization

We used field observations to determine sample locations. The logic of the placements is described below.

- One sample to determine soil/subsoil characteristics outside of the release footprint (BKG-7)
- Three samples along the perceived major flowline of the release (SP-1, SP-4, SP-5)
- Two samples on the edges of the release footprint (SP-3, SP-6 and
- One sample at the distal end of the release (SP-2)

Vertical Characterization

The results of the January sampling to the depth of 4.3 feet demonstrate that vertical characterization of the release area is complete.

We requested Table 1 analyses for all samples.

Laboratory Analysis Result Observations

Table 1 presents laboratory results from the January 2023 sampling event. The results show:

- No sample from either the 0-4 foot depth interval or the 4.3 foot depth detected benzene or BTEX.
- Six of 12 samples detected GRO, DRO and MRO. No sample exceeded The Table 1 criteria for remediation.
- No sample exceeded the 600 mg/kg chloride criteria for reclamation and,
- No sample exceeded the 20,000 mg/kg chloride criteria for remediation.

SECTION 35 RELEASE CHARACTERIZATION PLAN

VINTAGE DRILLING, LLC

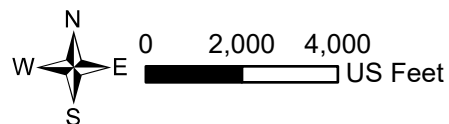
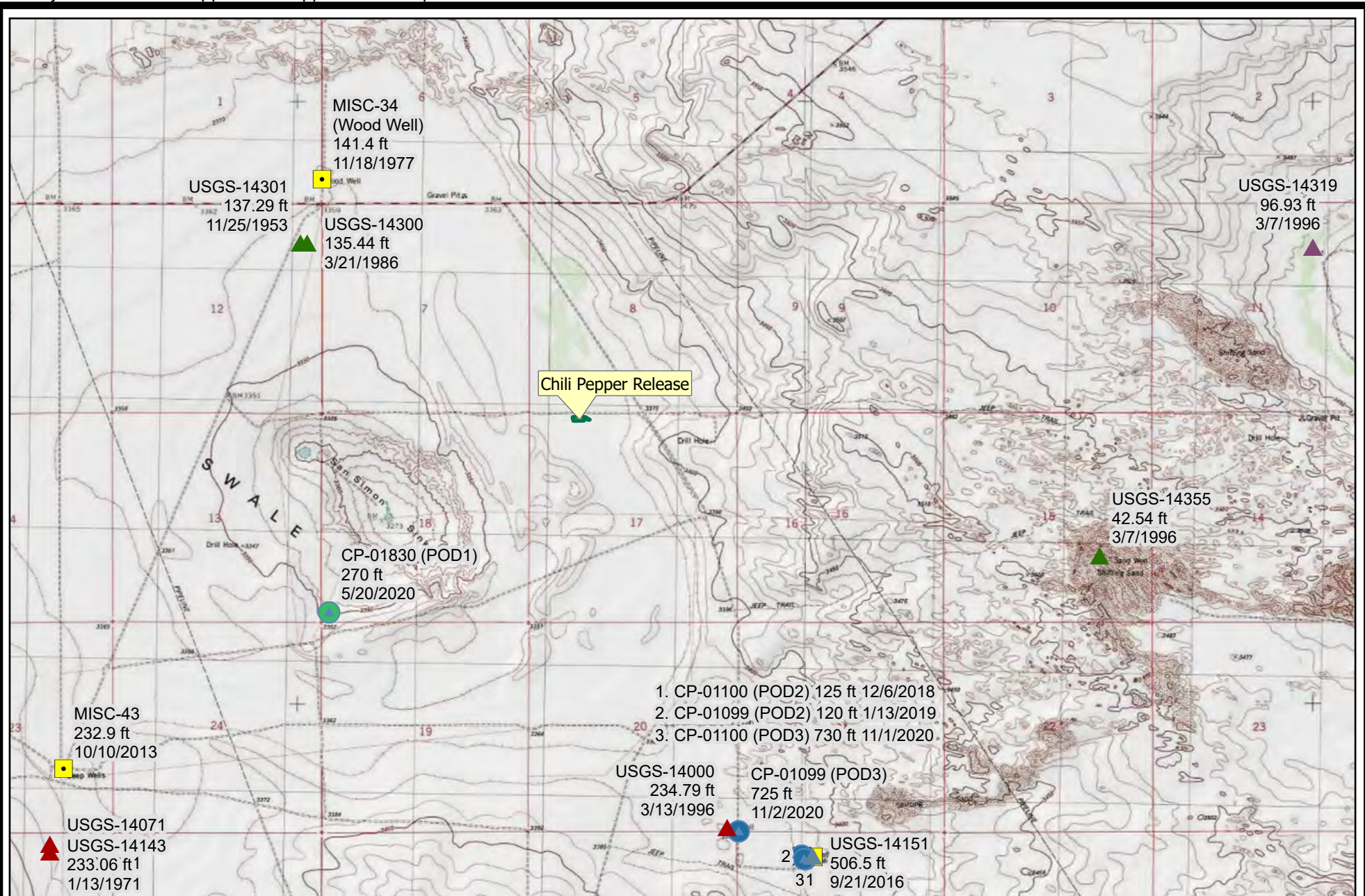
Sample ID	Date	Top Depth ft	Bottom Depth ft	Discrete Depth ft	Chloride	GRO+DRO	TPH Ext.	Benzene	BTEX
SP-1	1/3/2023	0	4		320	41.4	52.4	ND	ND
SP-1	1/3/2023			4.3	144	17.8	17.8	ND	ND
SP-2	1/3/2023	0	4		512	ND	ND	ND	ND
SP-2	1/3/2023			4.3	336	ND	ND	ND	ND
SP-3	1/3/2023	0	4		48	ND	ND	ND	ND
SP-3	1/3/2023			4.3	128	ND	ND	ND	ND
SP-4	1/3/2023	0	4		48	ND	ND	ND	ND
SP-4	1/3/2023			4.3	16	ND	ND	ND	ND
SP-5	1/3/2023	0	4		80	13.6	13.6	ND	ND
SP-5	1/3/2023			4.3	544	39.3	39.3	ND	ND
SP-6	1/3/2023	0	4		128	16.2	16.2	ND	ND
SP-6	1/3/2023			4.3	48	243	322	ND	ND
BGS-7	1/3/2023	0	4		48	ND	ND	ND	ND
BGS-7	1/3/2023			4.3	32	ND	ND	ND	ND
Table 1 Remediation Limits mg/kg					20000	1000	2500	10	50
Reclamation Limit mg/kg					600				

Conclusion

Remediation of soil/subsoil is not required. This is not surprising given that the released fluid was mainly fresh water used as a rinsing/purging agent to clean the transfer pipes.

BRADEN HARRIS

C:\Projects\AvantChiliPepper\ChiliPepperRelease.aprx



R.T. Hicks Consultants, Ltd
 901 Rio Grande Blvd NW Suite F-142
 Albuquerque, NM 87104
 Ph: 505.266.5004













Nearby Wells and Borings with Depth to Water

Avant Natural Resources - Chili Pepper Release

Plate 1

February 2023

P:\AvantChiliPepper\ChiliPepperRelease.aprx

polygon_spe	
	Release Extent
USGS Gauging Station (GW Elev, Date)	
Aquifer Code, Well Status	
	Alluvium/Bolsom
	Santa Rosa
	Not Defined
OSE Water Wells (DTW/Date)	
Well Depth (ft)	
	351-500
	501-1000
Misc. Water Wells (GW Elev, Date)	
Well Depth (ft)	
	No Data
	> 500
NM_Geology	
Map Unit,Description	
	Qe/Qp, Quaternary-Eolian Piedmont Deposits
	Qoa, Quaternary-Older Alluvial Deposits, Qoa, Quaternary-Older Alluvial Deposits
	Qp, Quaternary-Piedmont Alluvial Deposits, Qp, Quaternary-Piedmont Alluvial Deposits
	To, Tertiary-Ogallala Formation, To, Tertiary-Ogallala Formation

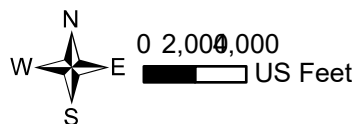
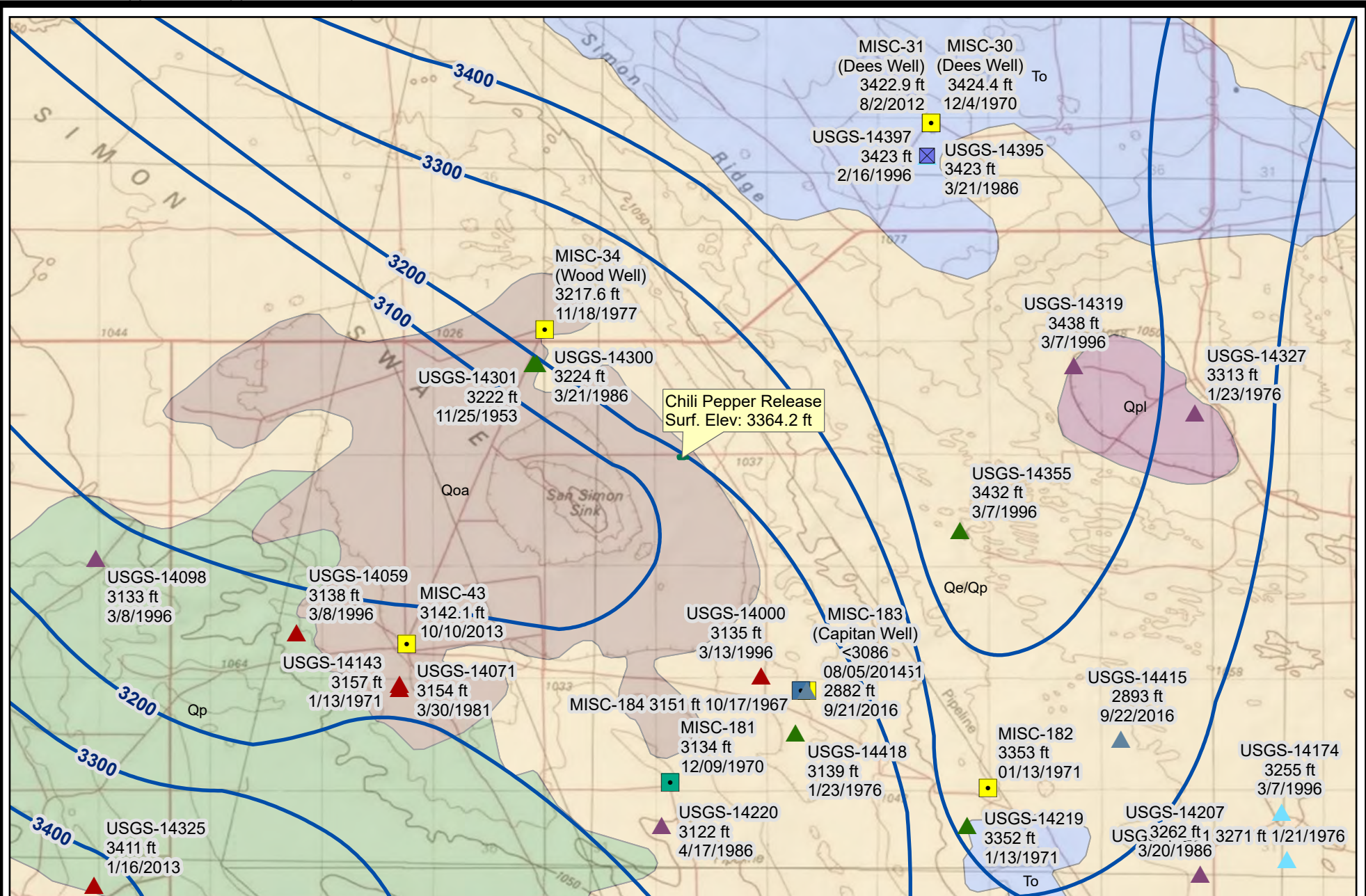
R.T. Hicks Consultants, Ltd
 901 Rio Grande Blvd NW Suite F-142
 Albuquerque, NM 87104
 Ph: 505.266.5004

Plates 1 & 2 Legend

Avant Natural Resources - Chili Pepper Release

February 2023

P:\AvantChiliPepper\ChiliPepperRelease.aprx

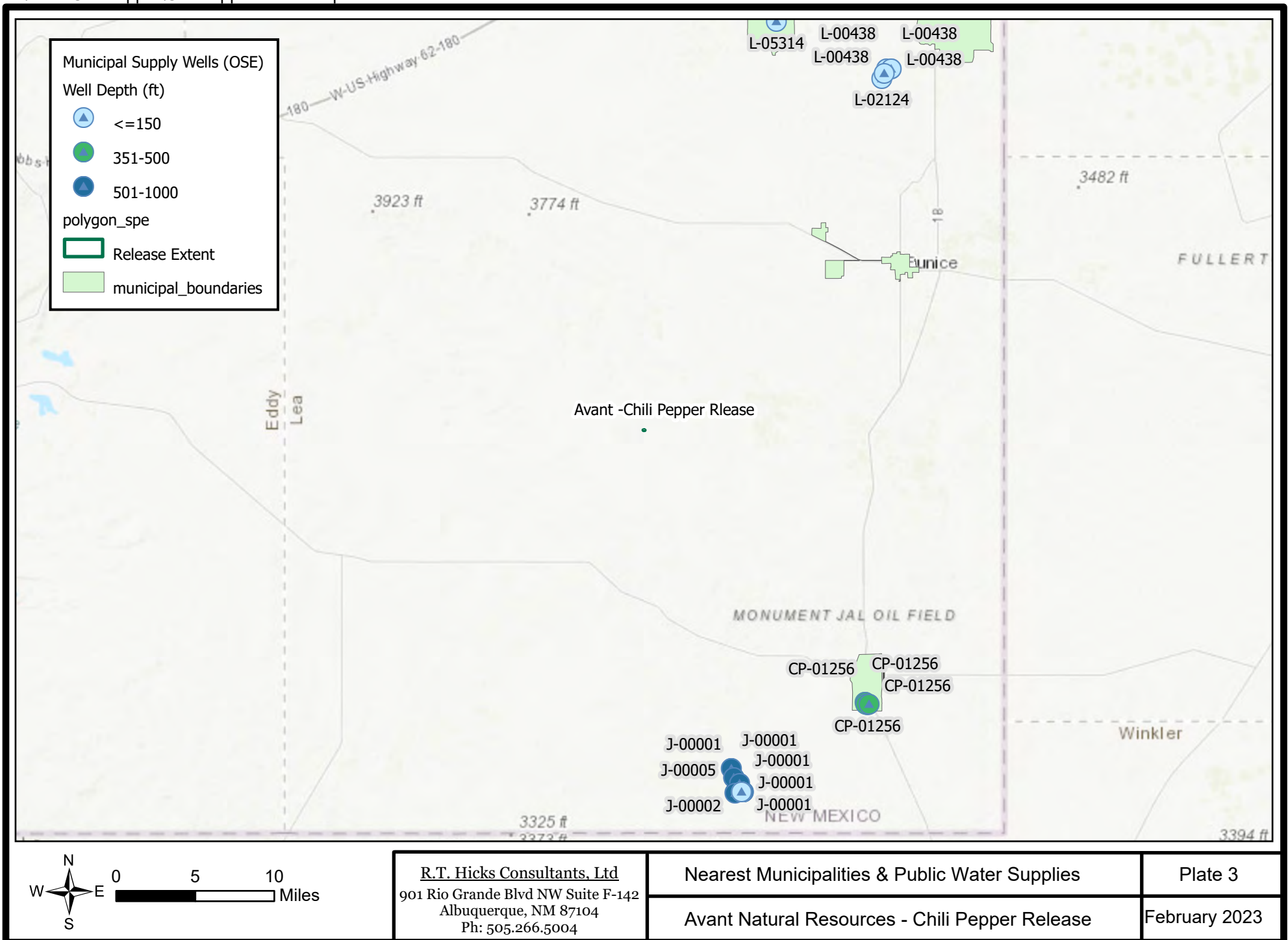


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 Albuquerque, NM 87104
 Ph: 505.266.5004

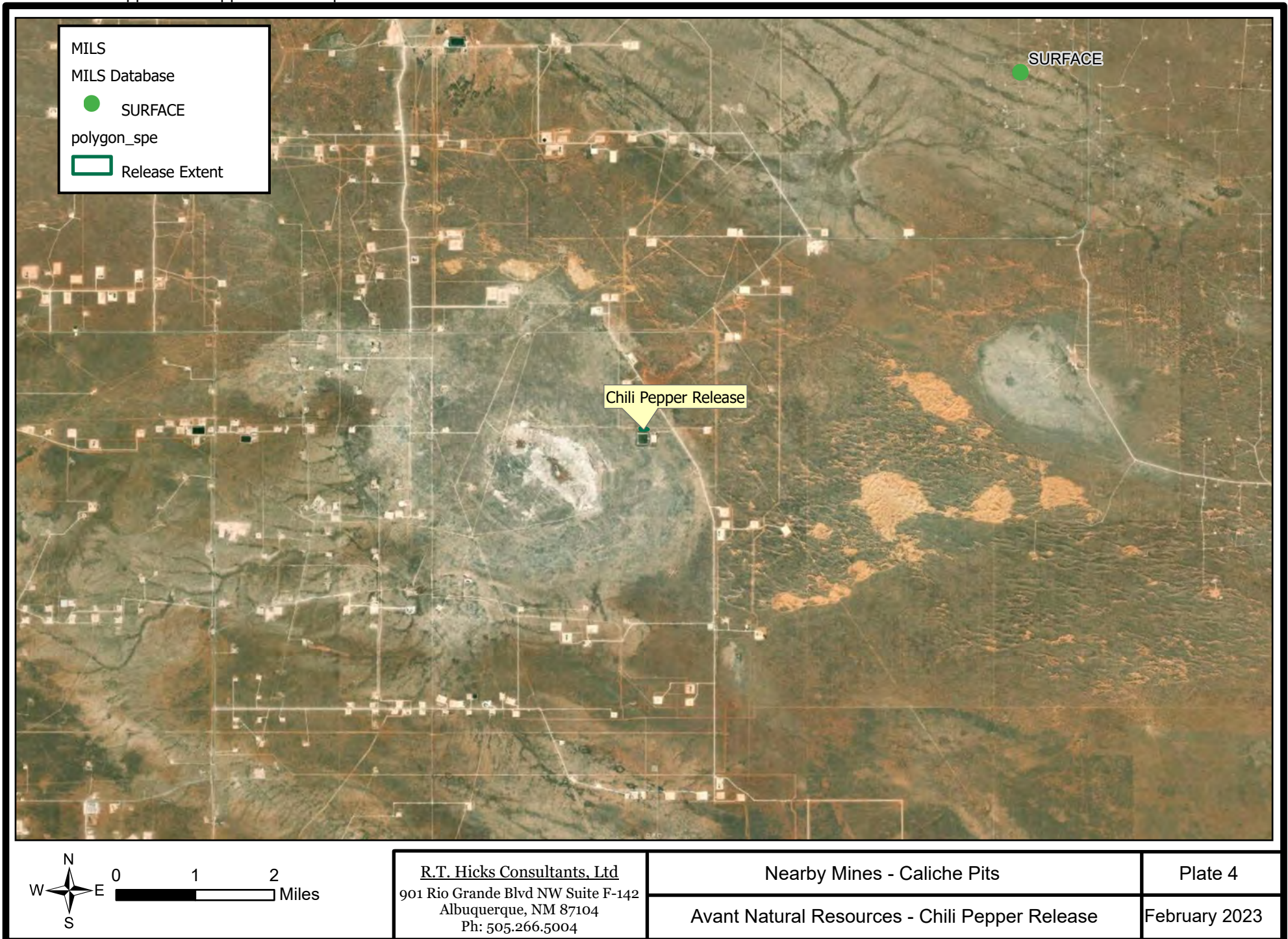
Groundwater Elevation & Geology
USGS and MISC Data
 Avant Natural Resources - Chili Pepper Release

Plate 2
 February 2023

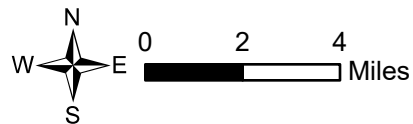
P:\AvantChiliPepper\ChiliPepperRelease.aprx



P:\AvantChiliPepper\ChiliPepperRelease.aprx



P:\AvantChiliPepper\ChiliPepperRelease.aprx



R.T. Hicks Consultants, Ltd
 901 Rio Grande Blvd NW Suite F-142
 Albuquerque, NM 87104
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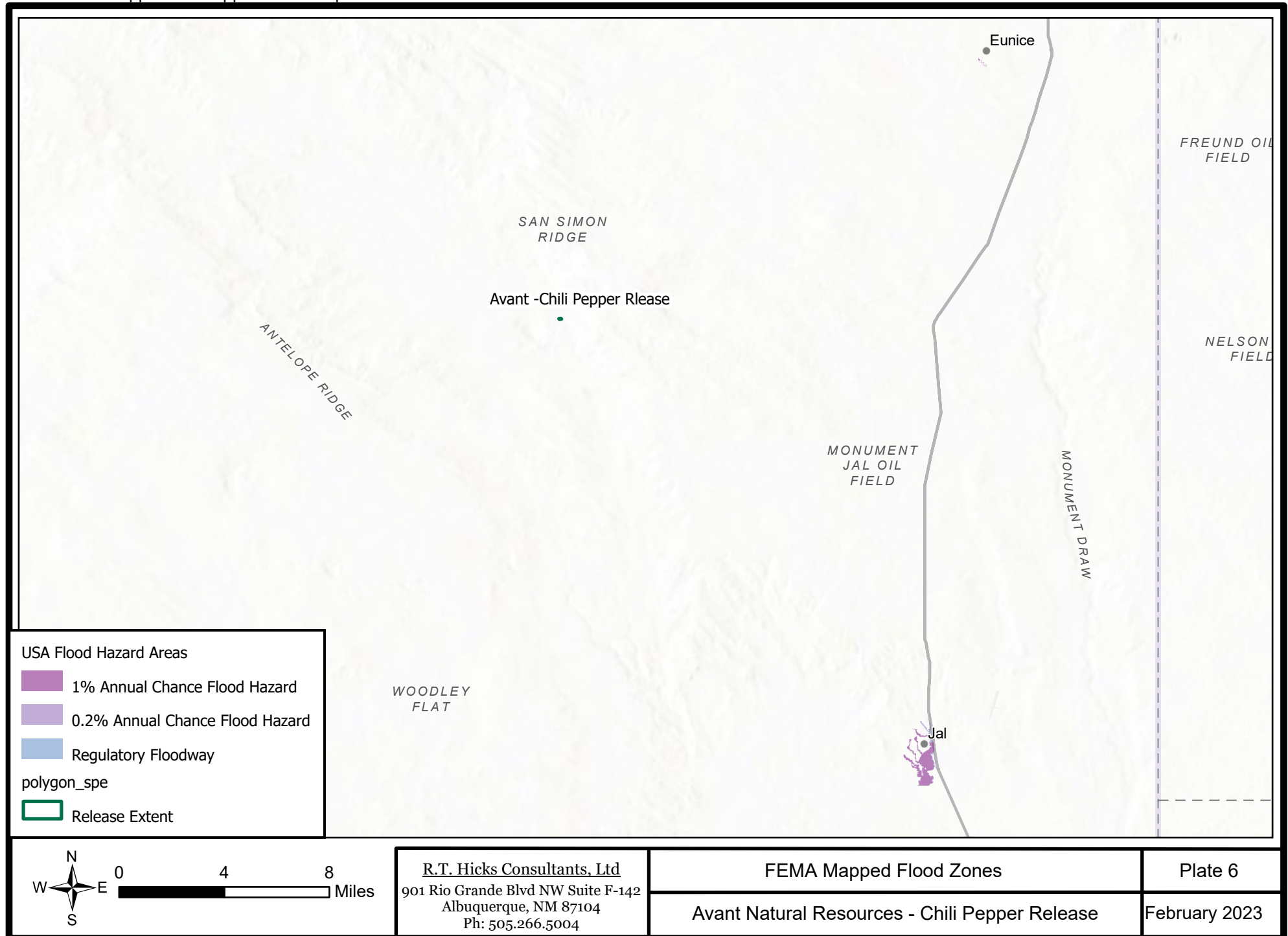
BLM Mapped Karst Potential

Plate 5

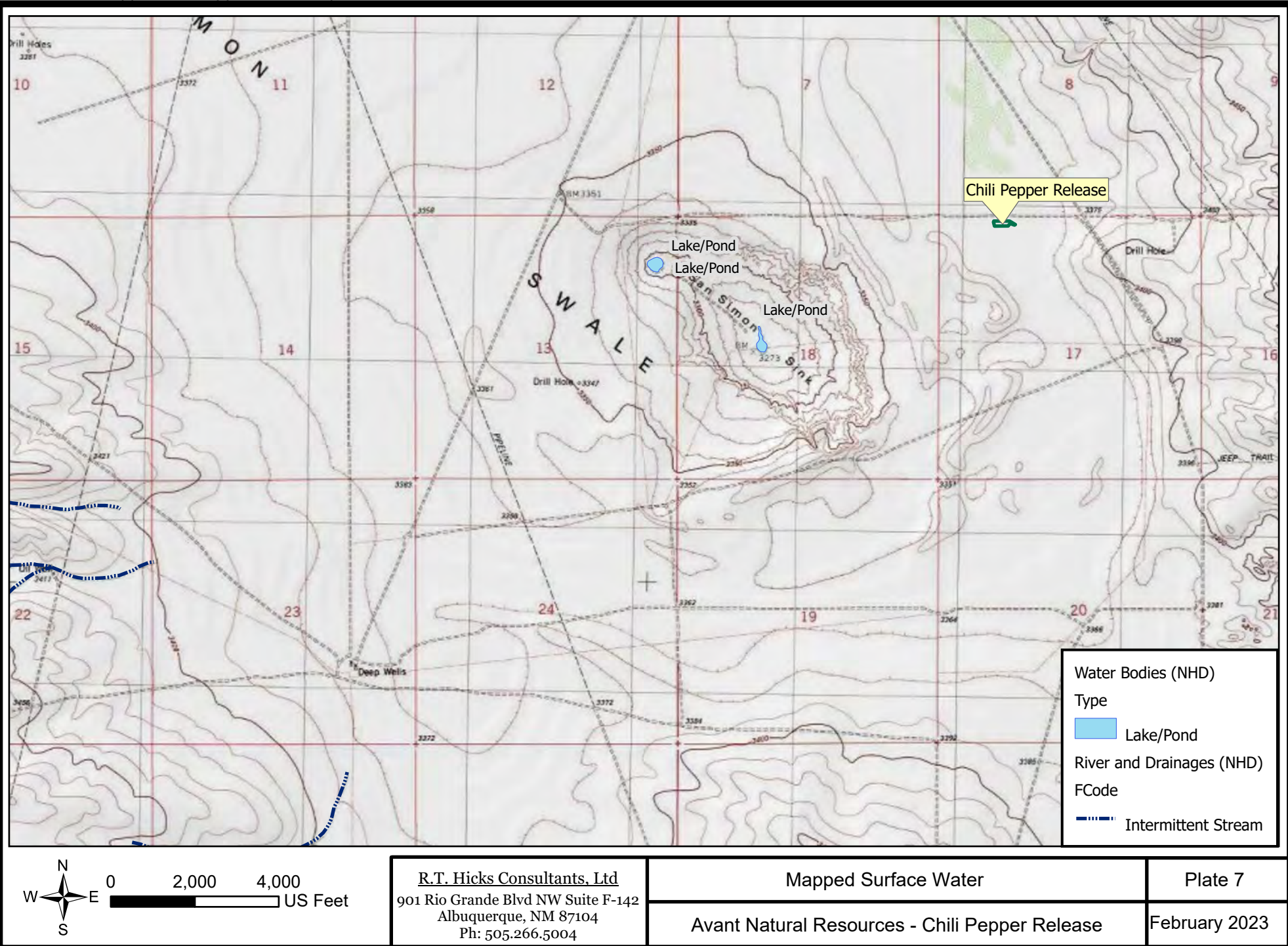
Avant Natural Resources - Chili Pepper Release

February 2023

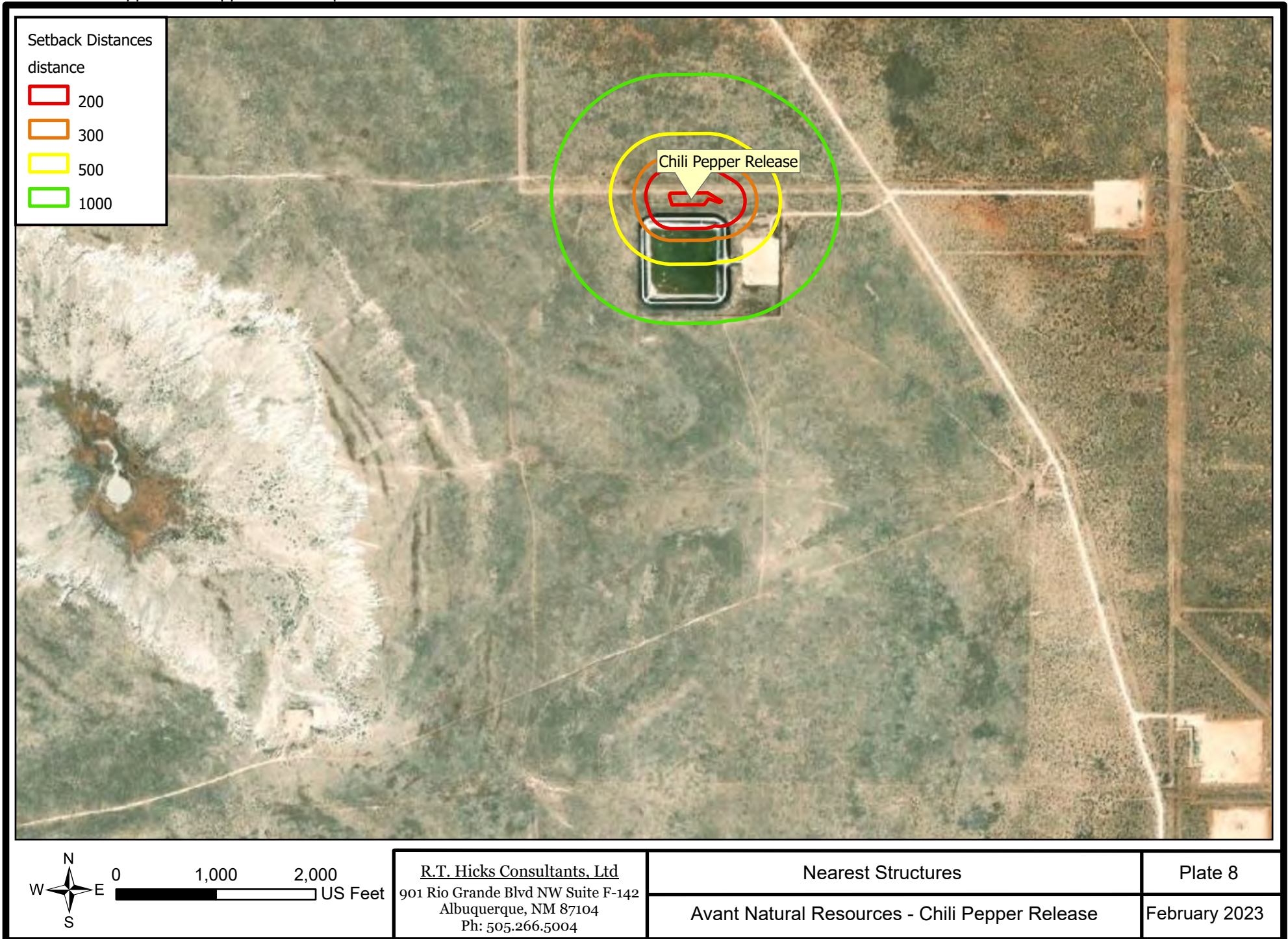
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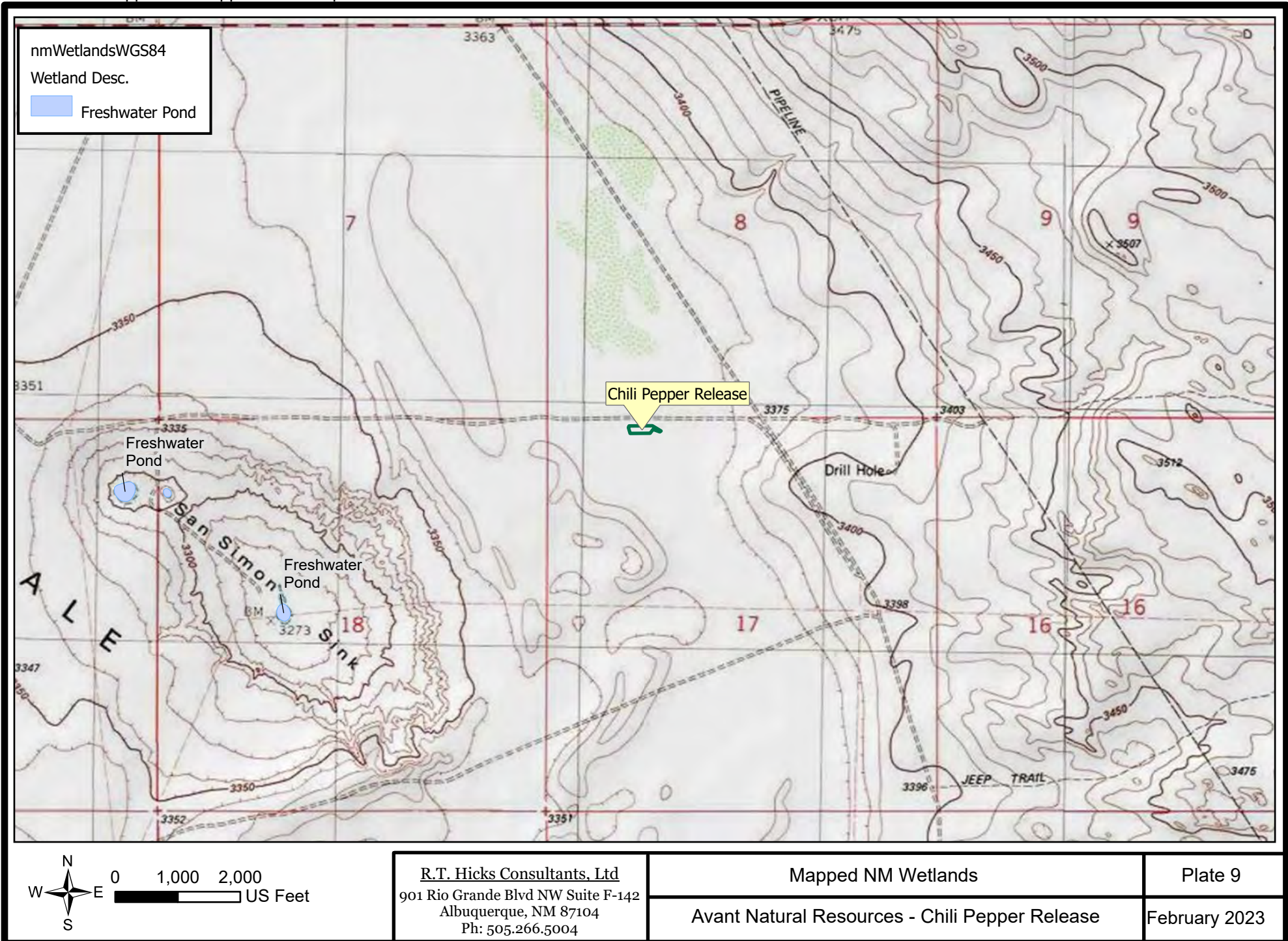
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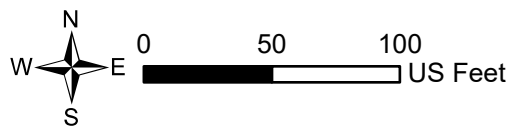
P:\AvantChiliPepper\ChiliPepperRelease.aprx



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P:\AvantChiliPepper\ChiliPepperRelease.aprx



R.T. Hicks Consultants, Ltd
901 Rio Grande Blvd NW Suite F-142
Albuquerque, NM 87104
Ph: 505.266.5004

Release Footprint & Sample Location
Avant Natural Resources - Chili Pepper Release

Figure 1
February 2023

WELL LOGS AND USGS DATA

SOIL BORING / MONITORING WELL LOG

PROJECT: <u>Jal, NM - Pit Sites</u>	DRILLING COMPANY: <u>Talon/LPE</u>
PROJECT NUMBER: <u>700438.209.02</u>	DRILLER: <u>Ronnie Rodriguez</u>
CLIENT: <u>EOG Resources</u>	DRILLING METHOD: <u>Hollow Stem Auger/Continuous Core</u>
BORING / WELL NUMBER: <u>ChiliPepper</u>	BORE HOLE DIAMETER: <u>6"</u>
TOTAL DEPTH: <u>75</u>	SCREEN: Diam. <u> </u> Length <u> </u> Slot Size <u> </u>
SURFACE ELEVATION: <u> </u>	CASING: Diam. <u> </u> Length <u> </u> Type <u> </u>
GEOLOGIST: <u>Patrick Tucker</u>	DATE DRILLED: <u>1/10/2018</u>
LATITUDE: <u> </u>	LONGITUDE: <u> </u>

PAGE 1 of 3

DEPTH (FT.)	Soil Symbol	WELL CONSTRUCTION	Pt. Sample ID:	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	DEPTH (FT.)
0								0
			SB1-1'		0'-5'		Silty Sand - Top Soil to Caliche Dry - No Moisture Red Brown	
5			SB1-5'		5'-10'		Caliche - Hard Pan Dry - No Moisture Tan/White	5
10			SB1-10'		10'-15'		Caliche - Hard Pan Dry - No Moisture Tan/White	10
15			SB1-15'		15'-20'		Caliche - Hard Pan Dry - No Moisture Tan/White	15
20			SB1-20'		20'-25'		Caliche - Sandstone @ 22' Dry - No Moisture Tan/White	20
25			SB1-25'		25'-30'		Sandstone Dry - No Moisture Tan/Pink	25
30							Caliche w/ Gravel	30

REMARKS:

THIS BORING LOG SHOULD NOT BE USED SEPERATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

PROJECT: <u>Jal, NM - Pit Sites</u>	DRILLING COMPANY: <u>Talon/LPE</u>
PROJECT NUMBER: <u>700438.209.02</u>	DRILLER: <u>Ronnie Rodriguez</u>
CLIENT: <u>EOG Resources</u>	DRILLING METHOD: <u>Hollow Stem Auger/Continuous Core</u>
BORING / WELL NUMBER: <u>ChiliPepper</u>	BORE HOLE DIAMETER: <u>6"</u>
TOTAL DEPTH: <u>75</u>	SCREEN: Diam. <u> </u> Length <u> </u> Slot Size <u> </u>
SURFACE ELEVATION: <u> </u>	CASING: Diam. <u> </u> Length <u> </u> Type <u> </u>
GEOLOGIST: <u>Patrick Tucker</u>	DATE DRILLED: <u>1/10/2018</u>
LATITUDE: <u> </u>	LONGITUDE: <u> </u>

PAGE 2 of 3

DEPTH (FT.)	Soil Symbol	WELL CONSTRUCTION	Pt. Sample ID:	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	DEPTH (FT.)
35			SB1-30'		30'-35'		Dry - No Moisture Tan/Gray Pcpt.	35
40			SB1-35'		35'-40'		Sandstone - Slow Penetration Dry - No Moisture Yellowish Red *staining	40
45			SB1-40'		40'-45'		Sandstone - showing Clay Lens Dry - Low Moisture	45
50			SB1-45'		45'-50'		Sandstone - showing Clay lens Dry - Low Moisture Yellowish Red	50
55			SB1-50'		50'-55'		Sandstone - showing clay Dry - Low Moisture Light Yellow Red	55
60			SB1-55'		55'-60'		Sandstone w/clays Dry - Low Moisture Light Yellowish Red	60
							Sandstone w/clays Dry - Low Moisture	

REMARKS:

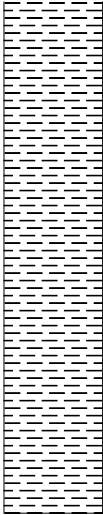
THIS BORING LOG SHOULD NOT BE USED SEPERATE FROM THE ORIGINAL REPORT



SOIL BORING / MONITORING WELL LOG

PROJECT: Jal, NM - Pit Sites	DRILLING COMPANY: Talon/LPE
PROJECT NUMBER: 700438.209.02	DRILLER: Ronnie Rodriguez
CLIENT: EOG Resources	DRILLING METHOD: Hollow Stem Auger/Continuous Core
BORING / WELL NUMBER: ChiliPepper	BORE HOLE DIAMETER: 6"
TOTAL DEPTH: 75	SCREEN: Diam. _____ Length _____ Slot Size _____
SURFACE ELEVATION: _____	CASING: Diam. _____ Length _____ Type _____
GEOLOGIST: Patrick Tucker	DATE DRILLED: 1/10/2018
LATITUDE: _____	LONGITUDE: _____

PAGE 3 of 3

DEPTH (FT.)	Soil Symbol	WELL CONSTRUCTION	Pt. Sample ID:	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	DEPTH (FT.)
65			SB1-60'		60'-65'		Light Yellowish Red	65
70			SB1-65'		65'-70'		Sandstone w/clays Dry - Low Moisture Light Yellowish Red	70
75			SB1-70'		70'-75'		Sandstone w/clays Dry - Low Moisture Light Yellowish Red	75
80			SB1-75'			75'	Bottom of Hole	80
85								85
90								90

REMARKS:

THIS BORING LOG SHOULD NOT BE USED SEPERATE FROM THE ORIGINAL REPORT





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DTI JUN 22 2020 PM 2:25

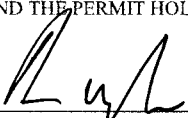
1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP-1830-POD1		WELL TAG ID NO.		OSE FILE NO(S)			
	WELL OWNER NAME(S) Limestone Basin Properties Ranch LLC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 3300 N A Street, Bldg 1, Ste 220				CITY Midland	STATE TX	ZIP 79705	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32		MINUTES 17	SECONDS 52.7	N		
		LONGITUDE 103		24	51.9	W		
* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84								
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1706		NAME OF LICENSED DRILLER Bryce Wallace			NAME OF WELL DRILLING COMPANY Elite Drillers Corporation		
	DRILLING STARTED 03/10/20		DRILLING ENDED 05/20/20		DEPTH OF COMPLETED WELL (FT) 460	BORE HOLE DEPTH (FT) 462	DEPTH WATER FIRST ENCOUNTERED (FT) 270	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 270		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	20	24	ASTM53 GRADE B	N/A	17.5	.25	
	0	200	14 3/4	SDR17 PVC	SPLINE	7.7	SDR17	
	200	460	14 3/4	SDR17 PVC	SPLINE	7.7	SDR17	.032
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	20	24	PORTLAND I/II CEMENT	25	TRIMMIE		
	20	460	14 3/4	8/16 SILICA SAND	355	POUR		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. CP-1830	POD NO. 1	TRN NO. 667804
LOCATION 333 T23S R35E Sec 18	WELL TAG ID NO. NA	PAGE 1 OF 2

USE DTI JUN 22 2020 PM 2:25

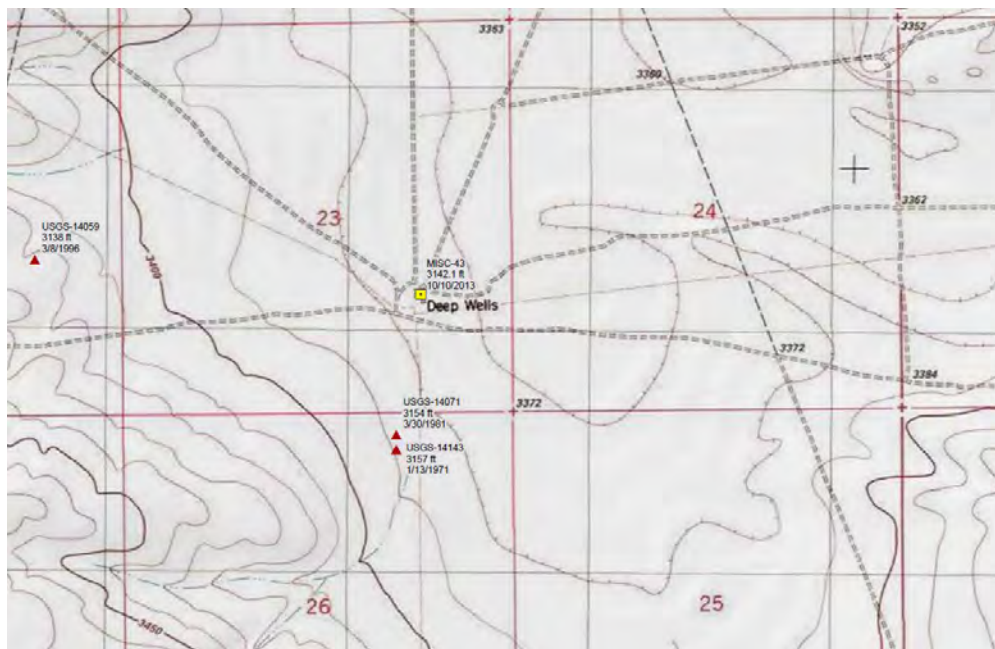
	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES <i>(attach supplemental sheets to fully describe all units)</i>	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
4. HYDROGEOLOGIC LOG OF WELL	0	30	30	GRAY SILTY CLAY	Y ✓ N	
	30	60	30	GRAY CLAY	Y ✓ N	
	60	80	20	YELLOW SANDY CLAY	Y ✓ N	
	80	100	20	YELLOW SAND	Y ✓ N	
	100	170	70	FINE RED SAND	Y ✓ N	
	170	350	180	LOST CIRCULATION (SOFT DRILLING)	✓ Y N	100.00
	350	440	90	REGAIN CIRCULATION - TAN SAND, SOME CLAY	✓ Y N	100.00
	440	462	22	RED CLAY	✓ Y N	100.00
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:				TOTAL ESTIMATED WELL YIELD (gpm): 300.00	
	5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.			
MISCELLANEOUS INFORMATION:						
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME			Bryce Wallace _____ DATE		

FOR OSE INTERNAL USE

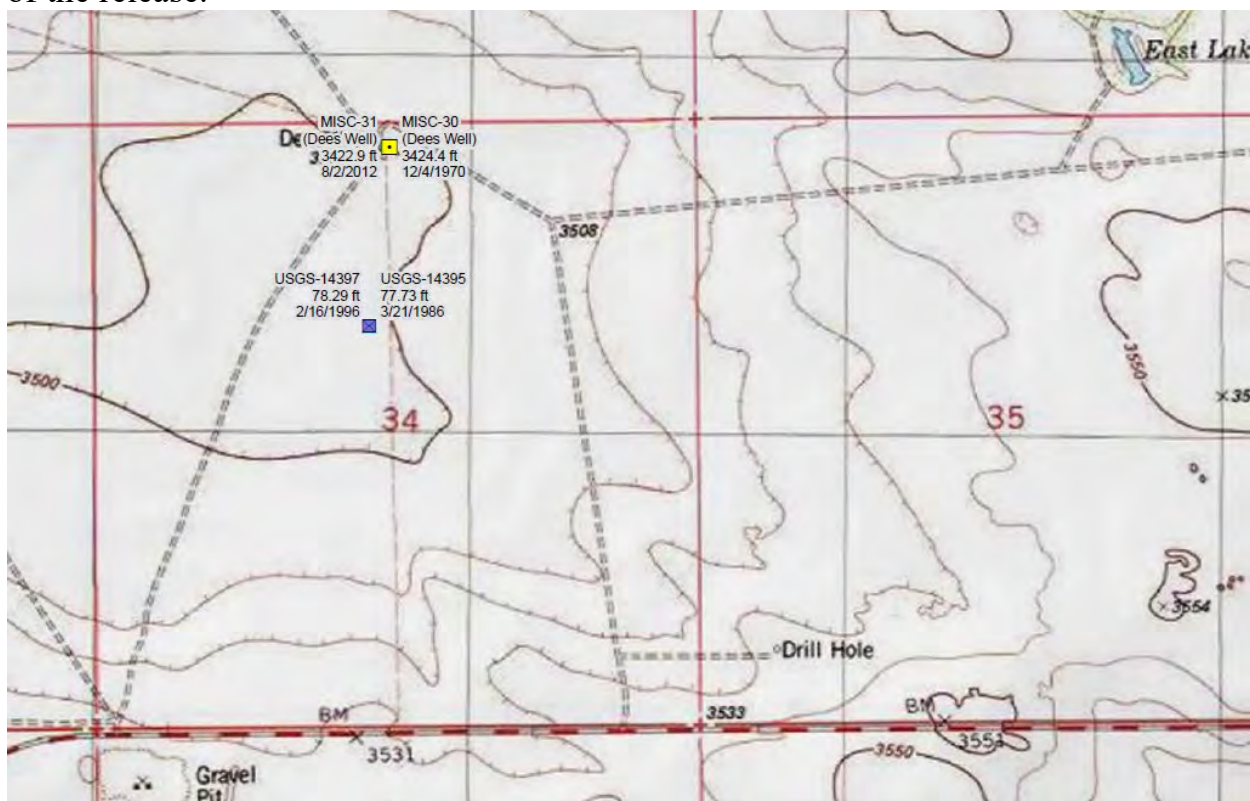
WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	CP-1830	POD NO.	1	TRN NO.	667804
LOCATION	333	T23S	R35E	Sec 18	WELL TAG ID NO. NA

Map showing USGS & Misc. wells in Deep Wells Cluster, about 3 miles southwest of Chili Pepper Release



Map showing USGS and Misc. wells in Dees Well cluster, about 3.5 miles northwest of the release.



Text in italics is verbatim from USGS Database

USGS 321654103261101 23S.34E.23.42332 AKA USGS-14071/14073 & Misc-43

Hydrologic Unit Code 13070007

Latitude 32°16'54",

Longitude 103°26'11" NAD27

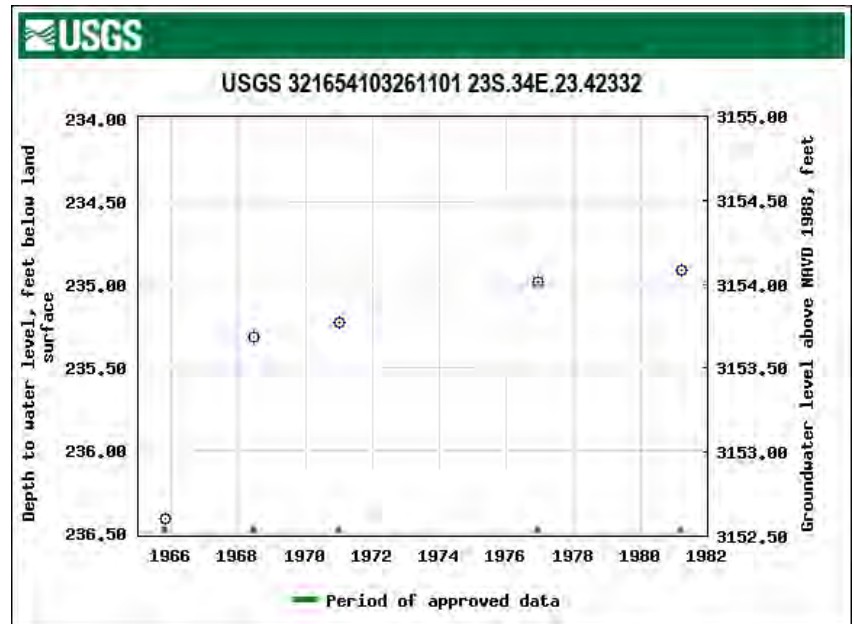
Land-surface elevation 3,389 feet above NAVD88

The depth of the well is 500 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

At Misc-43, a well in this same cluster, Hicks Consultants measured groundwater elevation of 3142 in 2014, a 12-foot drop over the 30-year hiatus of data.



The one data point of USGS-14073 (1971) is the same data shown in the graph above.

USGS 322101103211901 22S.35E.34.12224 AKA USGS-14395

Hydrologic Unit Code 13070007

Latitude 32°21'01",

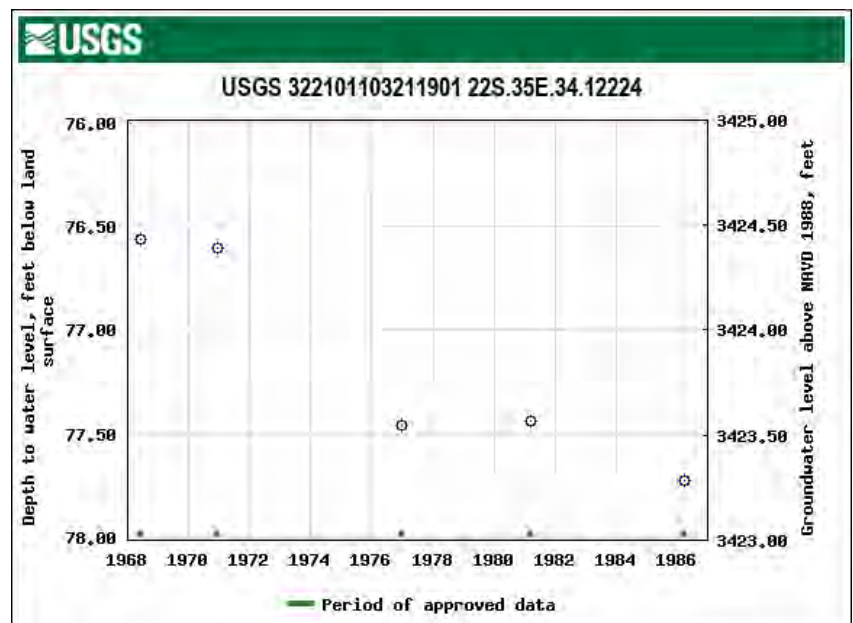
Longitude 103°21'19" NAD27

Land-surface elevation 3,501 feet above NAVD88

The depth of the well is 98 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.



USGS 322101103211902 22S.35E.34.12224A AKA USGS-14397 & Misc.- 30/31

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°21'01", Longitude 103°21'19"

NAD27

Land-surface elevation 3,501 feet above NAVD88

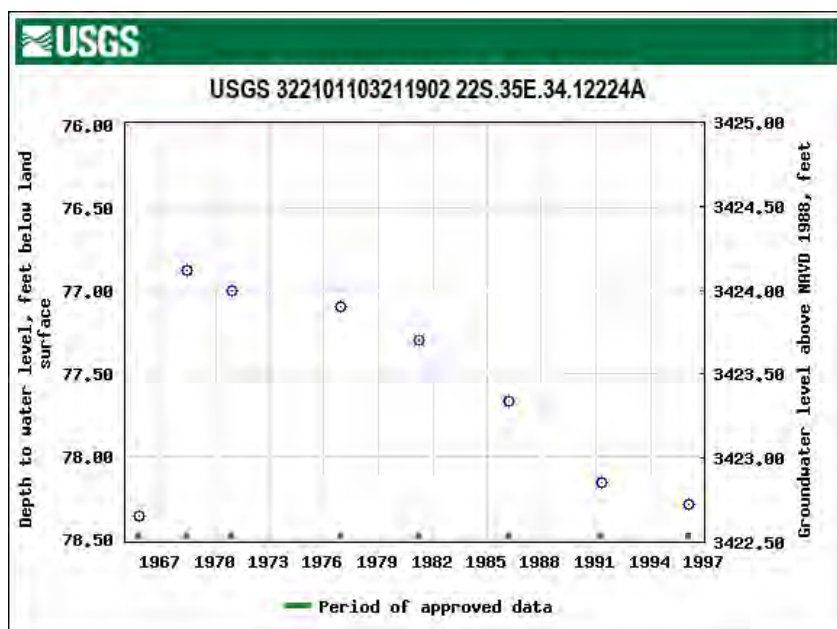
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

The database shows two measurements from well Misc.- 30/31:

- 3422.9 in 2013 and
- 3424.4 in 1970.

These two measurements could be from either of the two wells in this cluster.

**USGS 321924103245501 23S.35E.06.33133 AKA USGS-14300, USGS-14301 & Misc.- 34**

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°19'24",

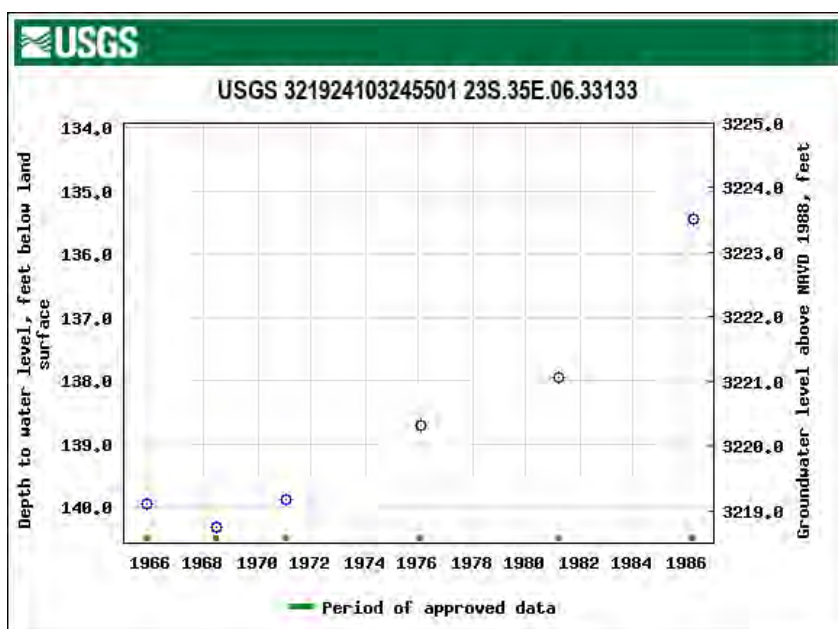
Longitude 103°24'55" NAD27

Land-surface elevation 3,359 feet above NAVD88

The depth of the well is 200 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.



USGS 321510103290801 23S.34E.32.44234 AKA USGS-14325

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°15'20.7",

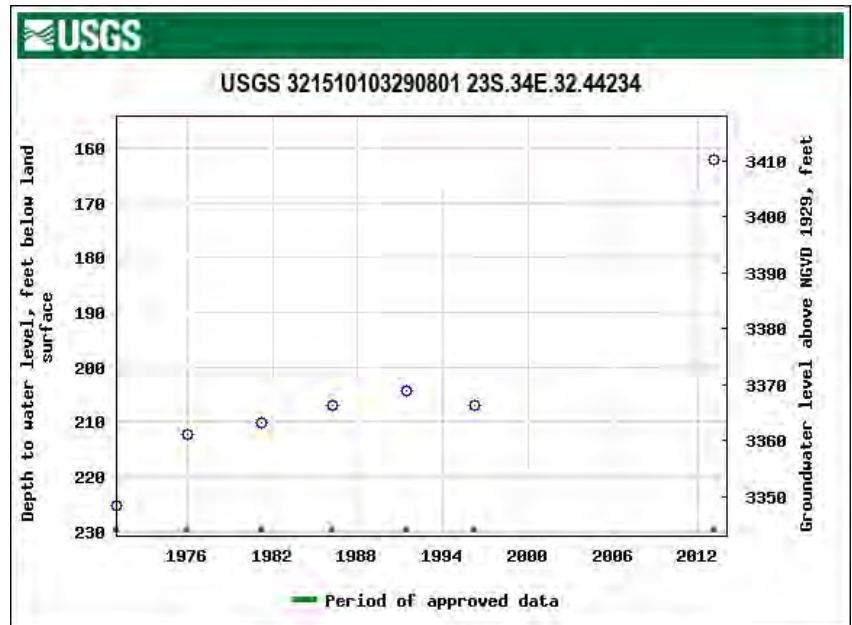
Longitude 103°29'03.5" NAD83

*Land-surface elevation 3,573.00 feet
above NGVD29*

*The depth of the well is 550 feet below
land surface.*

*This well is completed in the Other
aquifers (N9999OTHER) national
aquifer.*

*This well is completed in the Santa
Rosa Sandstone (231SNRS) local
aquifer.*



SITE PHOTOGRAHS

Figure SP-1 – A 180 degree view of release footprint from the lease road. The EOG Chili Pepper Containment is in center (south) of image. The right side of the image is west, and the left side is east.



Figure SP-2 Shows the nature of the release with surface crude staining on soil surface.



SP-3 is a 180 degree view from the game fence that surrounds the Chili Pepper Containment. Pickup truck is on lease road to the north.



LABORATORY REPORTS



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 06, 2023

RANDALL HICKS

R T HICKS CONSULTANTS

901 RIO GRANDE BLVD SUITE F-142

ALBUQUERQUE, NM 87104

RE: AVANT CHILI PEPPER RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/31/23 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 1 0-2 (H230438-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.8	2.00	0.986	
Toluene*	<0.050	0.050	01/31/2023	ND	2.14	107	2.00	1.27	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.11	105	2.00	0.579	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.49	108	6.00	0.366	
Total BTX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/01/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	193	96.6	200	2.73	
DRO >C10-C28*	85.8	10.0	02/01/2023	ND	200	99.8	200	7.91	
EXT DRO >C28-C36	27.5	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 62.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 1 2-4 (H230438-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.8	2.00	0.986		
Toluene*	<0.050	0.050	01/31/2023	ND	2.14	107	2.00	1.27		
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.11	105	2.00	0.579		
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.49	108	6.00	0.366		
Total BTEx	<0.300	0.300	01/31/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	193	96.6	200	2.73	
DRO >C10-C28*	13.9	10.0	02/01/2023	ND	200	99.8	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 61.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 1 0-4 (H230438-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/31/2023	ND	2.00	99.8	2.00	0.986		
Toluene*	<0.050	0.050	01/31/2023	ND	2.14	107	2.00	1.27		
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.11	105	2.00	0.579		
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.49	108	6.00	0.366		
Total BTEx	<0.300	0.300	01/31/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	193	96.6	200	2.73	
DRO >C10-C28*	41.1	10.0	02/01/2023	ND	200	99.8	200	7.91	
EXT DRO >C28-C36	11.3	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 62.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 1 4.25 (H230438-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	193	96.6	200	2.73	
DRO >C10-C28*	17.8	10.0	02/01/2023	ND	200	99.8	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 56.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 2 0-2 (H230438-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40	
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32	
Total BTEx	<0.300	0.300	02/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	02/01/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	193	96.6	200	2.73	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	200	99.8	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 59.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 2 2-4 (H230438-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	193	96.6	200	2.73	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	200	99.8	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 57.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 2 0-4 (H230438-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 61.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 49.1-148

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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 2 4.25 (H230438-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTEX	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 68.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 3 0-2 (H230438-09)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40	
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32	
Total BTEx	<0.300	0.300	02/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 64.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 3 2-4 (H230438-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 65.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 3 0-4 (H230438-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	193	96.6	200	2.73	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	200	99.8	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 63.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 3 4.25 (H230438-12)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTX	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	230	115	200	14.0	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	230	115	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 4 0-2 (H230438-13)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40	
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32	
Total BTX	<0.300	0.300	02/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	230	115	200	14.0	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	230	115	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 4 2-4 (H230438-14)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	230	115	200	14.0	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	230	115	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 4 0-4 (H230438-15)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40	
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32	
Total BTEx	<0.300	0.300	02/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	230	115	200	14.0	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	230	115	200	20.3	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 4 4.25 (H230438-16)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTX	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 5 0-2 (H230438-17)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40	
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32	
Total BTEx	<0.300	0.300	02/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	16.3	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 5 2-4 (H230438-18)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	13.8	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 5 0-4 (H230438-19)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	13.6	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 5 4.25 (H230438-20)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTX	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	02/01/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	39.3	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 6 0-2 (H230438-21)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/01/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	21.1	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 6 2-4 (H230438-22)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40		
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/01/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	21.8	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 6 0-4 (H230438-23)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2023	ND	1.91	95.5	2.00	3.40	
Toluene*	<0.050	0.050	02/02/2023	ND	2.00	100	2.00	4.24	
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	102	2.00	3.58	
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.20	103	6.00	3.32	
Total BTEx	<0.300	0.300	02/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	02/01/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	16.2	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: SP 6 4.25 (H230438-24)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17		
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/01/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	243	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	78.6	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: BGS 7 0-2 (H230438-25)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17		
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/01/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 58.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: BGS 7 2-4 (H230438-26)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17		
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21		
Total BTEX	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/01/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: BGS 7 0-4 (H230438-27)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17		
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/01/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 RANDALL HICKS
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received:	01/31/2023	Sampling Date:	01/31/2023
Reported:	02/06/2023	Sampling Type:	Soil
Project Name:	AVANT CHILI PEPPER RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: BGS 7 4.25 (H230438-28)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/02/2023	ND	1.93	96.4	2.00	6.17		
Toluene*	<0.050	0.050	02/02/2023	ND	2.04	102	2.00	8.29		
Ethylbenzene*	<0.050	0.050	02/02/2023	ND	2.05	103	2.00	7.56		
Total Xylenes*	<0.150	0.150	02/02/2023	ND	6.17	103	6.00	7.21		
Total BTEx	<0.300	0.300	02/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/01/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2023	ND	184	92.0	200	0.279	
DRO >C10-C28*	<10.0	10.0	02/01/2023	ND	170	85.2	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	02/01/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326, FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RT Hicks Project Manager: Randall Hicks Address: 901 Rio Grande Blvd Suite E-142 City: Albuquerque State: NM Zip: 87104 Phone #: 505-266-5004 Fax #: Project #: Project Name: Hunt Club Pepper Relax Project Location: Sampler Name: Aron Lewis FOR LAB USE ONLY		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST	
Lab I.D. 1030438	Sample I.D. 1 2 3 4 5 6 7 8 9 10	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV DATE TIME	SAMPILING Chloride TPH 8015 BTEX	
PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:			
Relinquished By: [Signature] Date: 1-31-13 Time: 2:15pm Relinquished By: [Signature] Date: 2:15pm Time:		Received By: [Signature] All Results are emailed. Please provide Email address:			
Delivered By: (Circle One) Sample - UPS - Bus - Other:		Observed Temp. °C: 3.0 Corrected Temp. °C: 2.4 Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: [Signature] Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition: <input type="checkbox"/> Observed Temp. °C: <input type="checkbox"/> Corrected Temp. °C:	



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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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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 207920

CONDITIONS

Operator: Avant Operating, LLC 1515 Wynkoop Street Denver, CO 80202	OGRID: 330396
	Action Number: 207920
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/30/2023