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 Dugan Production Corp.	OGRID 006515
Contact Name Kevin Smaka	Contact Telephone 505-325-1821 x1049
Contact email kevin.smaka@duganproduction.com	Incident # *(assigned by OCD)* nAPP2201746802
Contact mailing address PO Box 420, Farmington, NM 87499-0420	

Location of Release Source

Latitude 36.2836914 Longitude -107.8630295
(NAD 83 in decimal degrees to 5 decimal places)

Site Name St. Moritz SWD #2	Site Type SWD
Date Release Discovered January 17, 2022	API# *(if applicable)* 30-045-35281

Unit Letter	Section	Township	Range	County
J	26	24N	10W	San Juan

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 200	Volume Recovered (bbls) 100
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Spill caused by suction hose failure

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2201746802
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
☒ Yes ☐ No	

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
On 1/17/22 via OCD Permitting

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

$1000 ft^3 / 5.61 bbl/ft^3 \approx 200 bbl$

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: Kevin Smaka Title: Engineer
Signature: Kevin Smaka Date: January 28, 2022
email: Kevin.Smaka@duganproduction.com Telephone: 505-325-1821 x1049

OCD Only

Received by: Ramona Marcus Date: 2/8/2022

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Page 3

State of New Mexico
Oil Conservation Division

Incident ID	
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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?	25 (ft bgs)
Did this release impact groundwater or surface water? 05/26/2022 - NV	☑ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☑ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland? → ?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain? 05/26/2022 - NV	☑ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☑ Yes ☒ No

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

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

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

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

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State of New Mexico
Oil Conservation Division

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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: Kevin Smaka Title: Regulatory Engineer

Signature: Kevin Smaka Date: April 27, 2022

email: Kevin.Smaka@duganproduction.com Telephone: 505-325-1821 x1049

OCD Only

Received by: _____ Date: _____

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State of New Mexico
Oil Conservation Division

Incident ID	
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Remediation Plan

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

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

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

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

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

Printed Name: Kevin Smaka Title: Regulatory Engineer

Signature: Kevin Smaka Date: April 27, 2022

email: Kevin.Smaka@duganproduction.com Telephone: 505-325-1821

OCD Only

Received by: Date:

☐ Approved ☑ Approved with Attached Conditions of Approval (SEE BELOW) ☐ Denied ☐ Deferral Approved

Signature: Nelson Velez Date: 05/26/2022

1. Well and off pad area are required to be sampled approximately 500 square feet (sq. ft.) per every 5 point composite sample (5pcs). See attached aerial map labeled as #2. A minimum of 23 total samples are needed.
2. Drainage area is required to be sampled approximately 200 sq. ft. per every 5 pcs. See attached aerial map labeled as #2. A minimum of 10 total samples are needed.
3. Samples collected at well and off pad areas required to be sampled between 2 to 4 ft. below grade (b.g.).
4. Samples collected within drainage area required to be sampled between 0.5 & 1.5 ft. b.g.
5. Future site maps required to show sample locations and labeled to match corresponding lab ID designation.
6. Photos required to show sample identification corresponding to lab ID designations.
7. Final closure report required to contain depth to water supporting documentation.
8. Final closure report required to contain wetland supporting documentation.
9. Final closure report due 08/26/2022.

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State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Kevin Smaka Title: Regulatory Engineer

Signature: Kevin Smaka Date: October 28, 2022

email: Kevin.Smaka@duganproduction.com Telephone: 505-325-1821 x1049

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Nelson Velez Date: 11/18/2022

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

St. Moritz SWD #2

30-045-35281

J-26-24N-10W

2200 FSL 1780 FEL

Spill Closure Report

Summary of Activities

Dugan remediated this spill by hauling the contaminated soils to the Envirotech land farm. The greatest concentration of produced water occurred on the well. Here the waters ponded and soaked deepest into the ground. It was determined that using a backhoe would be adequate to dig to a depth of two feet and excavate the contaminated soil.

The soils close to the pig launching equipment and in the nearby arroyo were excavated to depth of six inches and removed using shovels and buckets. This was done to prevent damage to the plants growing in the desert and the impracticality of placing equipment in the arroyo without permanently destroying or altering the arroyo.

Once the soils were hauled off Dugan collected soil samples. In total Dugan collected thirty-four 5-point composite samples. 24 were collected on the well pad. 10 were collected in the arroyo. In the C-141 remediation plan, it was stipulated samples were to be collected at a depth of 2-4 feet below grade surface for all samples on pad and near the pig launcher. For samples collected in the arroyo it was stipulated to collect samples between 6-18'' BGS. To accomplish this task Dugan rented an auger and bored holes across the spill area to collect the samples. All samples collected in on the well pad areas, highlighted in green in figure 1, were collected at **4' BGS**. All samples collected in the arroyo, highlighted in brown in figure 1, were collected at **18'' BGS**.

The samples were taken to the Envirotech lab and tested for chlorides, BTEX and TPH. Lab results indicate all samples meet the standards in table 1 of NMAC 19.15.29. The results are included with this report.

A tubulation of the results are included here:

Figure 1: Lab Results ;

General Area	Sample ID	BTEX	Table 1 Target	TPH	Table 1 Target	Chlorides	Table 1 Target
Well Pad	SM 1	0	50	0	100	0	600
Well Pad	SM 2	0	50	0	100	0	600

Well Pad	SM 3	0	50	0	100	0	600
Well Pad	SM 4	0	50	0	100	0	600
Well Pad	SM 5	0	50	0	100	0	600
Well Pad	SM 6	0	50	0	100	0	600
Well Pad	SM 7	0	50	0	100	0	600
Well Pad	SM 8	0	50	0	100	0	600
Well Pad	SM 9	0	50	0	100	0	600
Well Pad	SM 10	0	50	0	100	0	600
Well Pad	SM 11	0	50	0	100	0	600
Well Pad	SM 12	0	50	0	100	0	600
Well Pad	SM 13	0	50	0	100	0	600
Well Pad	SM 14	0	50	0	100	0	600
Well Pad	SM 15	0	50	0	100	0	600
Well Pad	SM 16	0	50	0	100	0	600
Well Pad	SM 17	0	50	0	100	0	600
Well Pad	SM 18	0	50	0	100	0	600
Well Pad	SM 19	0	50	0	100	0	600
Well Pad	SM 20	0	50	0	100	0	600
Well Pad	SM 21	0	50	0	100	0	600
Well Pad	SM 22	0	50	0	100	0	600
Well Pad	SM 23	0	50	0	100	0	600
Well Pad	SM 24	0	50	0	100	0	600
Arroyo	SM 25	0	50	0	100	0	600
Arroyo	SM 26	0	50	0	100	0	600
Arroyo	SM 27	0	50	0	100	0	600

Arroyo	SM 28	0	50	0	100	0	600
Arroyo	SM 29	0	50	0	100	0	600
Arroyo	SM 30	0	50	0	100	0	600
Arroyo	SM 31	0	50	0	100	0	600
Arroyo	SM 32	0	50	0	100	0	600
Arroyo	SM 33	0	50	0	100	0	600
Arroyo	SM 34	0	50	0	100	0	600

- BTEX is an acronym for benzene, toluene, ethylbenzene and xylene.
- TPH is an acronym for total petroleum hydrocarbons
- Each 5 point composite sample is identified on the map The ID on the map corresponds to the lab results ID.
- Samples collected on the well pad and pig launcher were collected at a depth of 4-6' below grade surface.
- Samples collected in the drainage/arroyo were collected at a depth of 1 foot below grade surface.

Lab Results Discussion

The two tables presented here show the targets found in NMAC 19.15.29 as well as the actual results. All the results came back clean. By excavating the contaminated soils Dugan was able to remove all contaminants that would present a risk to wildlife, ground water and surface water should the spill have remained untreated.

Site maps/Sample Zone Maps Discussion

Due to the size of this spill, two maps were generated. One map focused on the well pad and the other on the arroyo. On the pad and pig launcher there were a total of 24 5-point composite samples collected. These have been labeled SM 1-24 on the map.

The other map was focused on the arroyo. There were 10 5-point samples collected in the arroyo/drainage area. They were labeled SM 25-34 on the map. The magenta polygons are not indicative of the spill size. The magenta polygons are drawn to show the general area where the samples were collected. The red line inside the magenta polygon is the location produced water flowed to. Samples were collected along the red line.

Depth to Ground Water Determination

To follow the direction of the OCD, Dugan investigated the depth to groundwater for this location. There were no hydrogeologic reports available from wells in the same section. Dugan located a hydrogeologic report for a well (Dugan's June Joy #2) 1 section over in section 25. In the adjacent wells hydrogeologic report it determines the depth to ground water in a water course is between **15 and 50 feet BGS**. Areas away from water courses have a depth to ground water greater than **200 feet BGS.**

In addition, it notes that an investigation in the iWaters database found a water well with a measured depth to water of **284 feet BGS**.

To verify this information, we also investigated the hydrogeologic report for the BGT located at Dugan's Silver Medal #1. Again, the geologist determined depth to ground is close to the surface in the washes and arroyos. Similarly, it was found that away from the wash the depth to ground water rapidly increases to **200 feet BGS.**

Also, Dugan searched for all water wells located in T-24N and R-10W using the iWaters database. Three wells were found in the Township. The nearest depth to water listed in that report is **284 feet BGS**.

Based on the information presented in the reports Dugan has determined the depth to water is less than **50 feet BGS** in the nearby arroyo and **greater than 100 feet BGS** on the well pad.

- A copy of each hydrogeologic report has been included for reference.
- A copy of the iWaters search results are also included.

Photographs Discussion

Several photographs have been included as part of this report. All photos demonstrate there is no white crusting or signs of significant damage to the soil from contamination.

Each photo has been labeled with the general area the photo was taken.

It was ordered in the conditions of approval to include labeling each picture with its corresponding Sample ID. Since the well pad photos were collected in shots covering the entire pad area they will be labeled with all of their IDs.

Wetlands Determination

As directed in the conditions of approval, Dugan has investigated the proximity of wetlands near this spill. To achieve this Dugan used the wetlands Database offered by NMED to locate any nearby wetlands. None were found within the 300 foot range described in NMAC 19.15.29. A screenshot of the map has been included here:

Conclusions

Based on the information presented, Dugan has determined this spill is effectively remediated. Lab results and photos indicate there is no contamination that will further negatively impact the environment. Dugan considers this matter closed and will back fill the excavated soil on the pad. The soil in the arroyo is constantly changing with every storm event that causes the arroyo to run. As such Dugan will leave the arroyo alone.

Dugan is evaluating cost effective means that will allow them to prevent a spill of this magnitude in the future.

Silver Medal #1 Hydrogeologic Report

The Silver Medal #1 is located on Federal land on the Chaco Slope area in San Juan County, New Mexico. The region is characterized as a high arid mesa broken by numerous, deep cutting arroyos. Vegetation in the area is predominantly short stands of sage and sparse grass.

A records search of the NM Office of the State Engineer –iWATERS database was conducted on a three square mile area centered on the Silver Medal #1 location (Exhibit 2). One water well was located 5,600 feet to the southwest (total depth 373-feet, depth to water unknown). The results of the search are shown on Exhibit 1.

The main source of stock water in the region is encountered in valley-fill deposits in existing arroyos at shallow depths of approximately 15 – 50 feet below the surface. The below grade tank is not located in an arroyo; the closest arroyo is 550-feet to the southwest and carries water only during periods of very heavy rain or snowmelt (Exhibit 2).

The Nacimiento Formation extends from the surface down to a depth of approximately 325-feet. Thin silty sands can occur near the base. However, the sands are discontinuous, have high silt content and would not be expected to contain any water.

The underlying Ojo Alamo Sandstone ranges from 325-feet down to a depth of 430-feet and is comprised of a coarse grained alluvial sandstone inter-bedded with lenses of mudstone and occasional conglomeratic sandstone. The Ojo Alamo may yield marginal quantities of water for livestock, however, the water quality is typically greater than 1,000 ppm total dissolved solids and high in sulfate (Stone, 1983).

Based on electric open hole logs, the iWATERS database and literature reviewed poor quality ground water might be found at a depth of approximately 325-feet from the Ojo Alamo Sandstone. A deeper source of poor quality groundwater would be the Fruitland Coal / Pictured Cliffs Sandstone interval from 1120-1200 feet.

This Hydrogeologic Report was prepared by Mr. Kurt Fagrelius, Geologist for Dugan Production. Mr. Fagrelius has been employed as a geologist for Dugan for the past 31-years, received a MS in Geology from NMIMT in Socorro, NM and a BS in Geology from FLC in Durango, CO.

Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizell, N.H., and Padgett, E.T., 1983, Hydrogeology and water resources of San Juan Basin, New Mexico: New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 6, 70 p.

Brown, D.R., and Stone, W.J., 1979, Hydrogeology of Aztec quadrangle, San Juan County, New Mexico: New Mexico Bureau of Mines and Mineral Resources Hydrogeologic Sheet 1.

Levings, G.W., Craigg, S.D., Dam, W.L. Kernodle, J.M., and Thorn, C.R., 1990, Hydrogeology of the San Jose, Nacimiento, and Animas Formations in the San Juan Structural Basin, New Mexico, Colorado, Arizona and Utah: U.S. Geological Survey, Atlas HA-720-A, Sheet 1 and 2.

Thorn, C.R., Levings, G.W., Craigg, S.D., Dam, W.L., and Kernodle, J.M., 1990, Hydrogeology of the Ojo Alamo Sandstone in the San Juan Structural Basin, New Mexico, Colorado, Arizona and Utah: U.S. Geological Survey, Atlas HA-720-B, Sheet 1 and 2.

June Joy #2 Hydrogeologic Report

The June Joy #2 is located on Federal land on the Chaco Slope area of the San Juan Basin, in San Juan County, New Mexico. The area is characterized by an arid, westward sloping, gentle hilly terrain covered with sage, grass and isolated stands of pinon and juniper. It is well drained by numerous arroyos that carry water during seasonal periods (rainstorms and snowmelt) to the west.

A records search of the NM Office of the State Engineer –iWATERS database was conducted on a three square mile area centered on the June Joy #2 location (Exhibit 2). One water well is located 9,400 feet south of the proposed below grade tank. This well was drilled to a total depth of 442 feet and the top of water was reported at 284 feet. The results of the search are shown on Exhibit 1.

The main source of stock water in the region is encountered in valley-fill deposits in existing arroyos at shallow depths of approximately 15 – 50 feet below the surface and stock tanks constructed on surface shale in the upper reaches and confluences of arroyos. The proposed below grade tank is not located in an arroyo. The closest arroyos are located 400 feet north and south of the proposed below grade tank.

The Nacimiento Formation extends from the surface down to approximately 760 feet. From surface down to 205 feet, the interval consists primarily of mudstone / shale with a trace of siltstone. The interval from 205 to 510 has more siltstone, sand (205-240, 370-510) and less mudstone / shale. These sands have good reservoir qualities and could contain poor quality groundwater. From 510 to 760 the section is comprised of mudstone / shale.

The Nacimiento is a source of ground water for livestock purposes and more rarely domestic use in some areas near the outcrop. With depth and distance from the outcrop, water quality decreases quickly and may be useful for livestock only. Due to the high silt content in the sands, poor reservoir quality and unpredictable nature of sand occurrence, the Nacimiento is not expected to contain significant quantities of ground water in the area of the proposed below grade tank.

The underlying Ojo Alamo Sandstone ranges from approximately 760 feet down to approximately 772 feet and is comprised of a coarse grained alluvial sandstone inter-bedded with lenses of mudstone and occasional conglomeratic sandstone. The Ojo could provide a greater volume of poor quality groundwater.

Based on electric open hole logs, the iWATERS database, literature reviewed, poor quality groundwater might be found a depth below 205 feet from thin, discontinuous, shaly sands in the Nacimiento Formation. The lower Nacimiento sands at 370-510 have good reservoir quality and could produce poor quality groundwater. However, the underlying Ojo Alamo Sandstone (760-772) is capable of producing a larger volume of better quality groundwater.

The excessive drilling depth to reservoirs with unpredictable variations in reservoir quality and water quality has discouraged the drilling of water wells in the area.

Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizell, N.H., and Padgett, E.T., 1983, Hydrogeology and water resources of San Juan Basin, New Mexico: New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 6, 70 p.

Brown, D.R., and Stone, W.J., 1979, Hydrogeology of Aztec quadrangle, San Juan County, New Mexico: New Mexico Bureau of Mines and Mineral Resources Hydrogeologic Sheet 1.

Levings, G.W., Craigg, S.D., Dam, W.L. Kernodle, J.M., and Thorn, C.R., 1990, Hydrogeology of the San Jose, Nacimiento, and Animas Formations in the San Juan Structural Basin, New Mexico, Colorado, Arizona and Utah: U.S. Geological Survey, Atlas HA-720-A, Sheet 1 and 2.

Thorn, C.R., Levings, G.W., Craigg, S.D., Dam, W.L., and Kernodle, J.M., 1990, Hydrogeology of the Ojo Alamo Sandstone in the San Juan Structural Basin, New Mexico, Colorado, Arizona and Utah: U.S.G.S, Atlas HA-720-B, Sheet 1 and 2.

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
SJ 01713	SJ	SJ		4	4	33	24N	10W	239936	4017203*	373		
SJ 01714	SJ	SJ		3	4	36	24N	10W	244334	4017107*	442	284	158
SJ 03141	SJ	SJ	3	2	1	29	24N	10W	237520	4019956*	640	595	45

Average Depth to Water: **439 feet**

Minimum Depth: **284 feet**

Maximum Depth: **595 feet**

Record Count: 3

Basin/County Search:

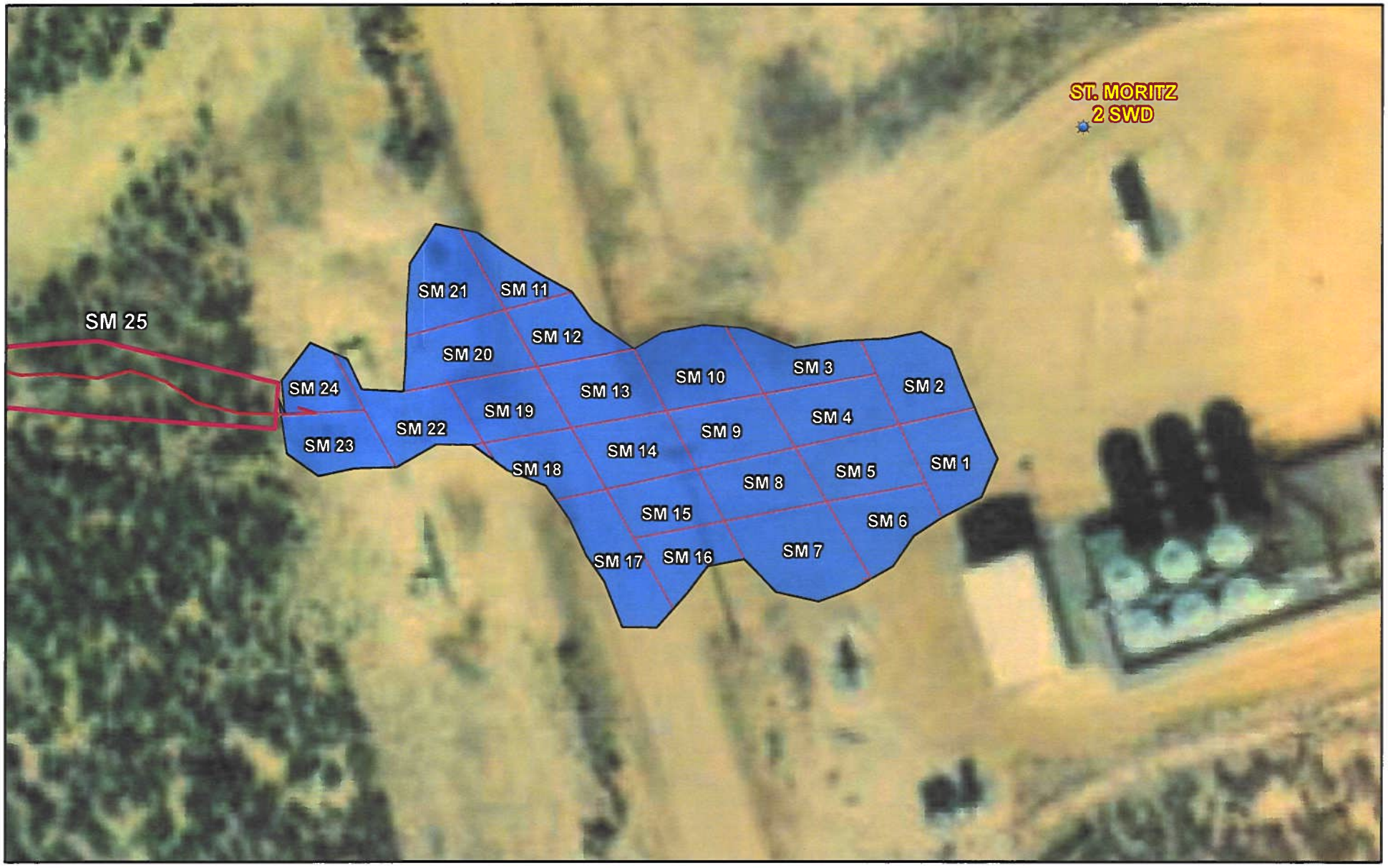
Basin: San Juan **County:** San Juan

PLSS Search:

Township: 24N **Range:** 10W

***UTM location was derived from PLSS - see Help**

St. Moritz #2 Site Map



10/18/2022

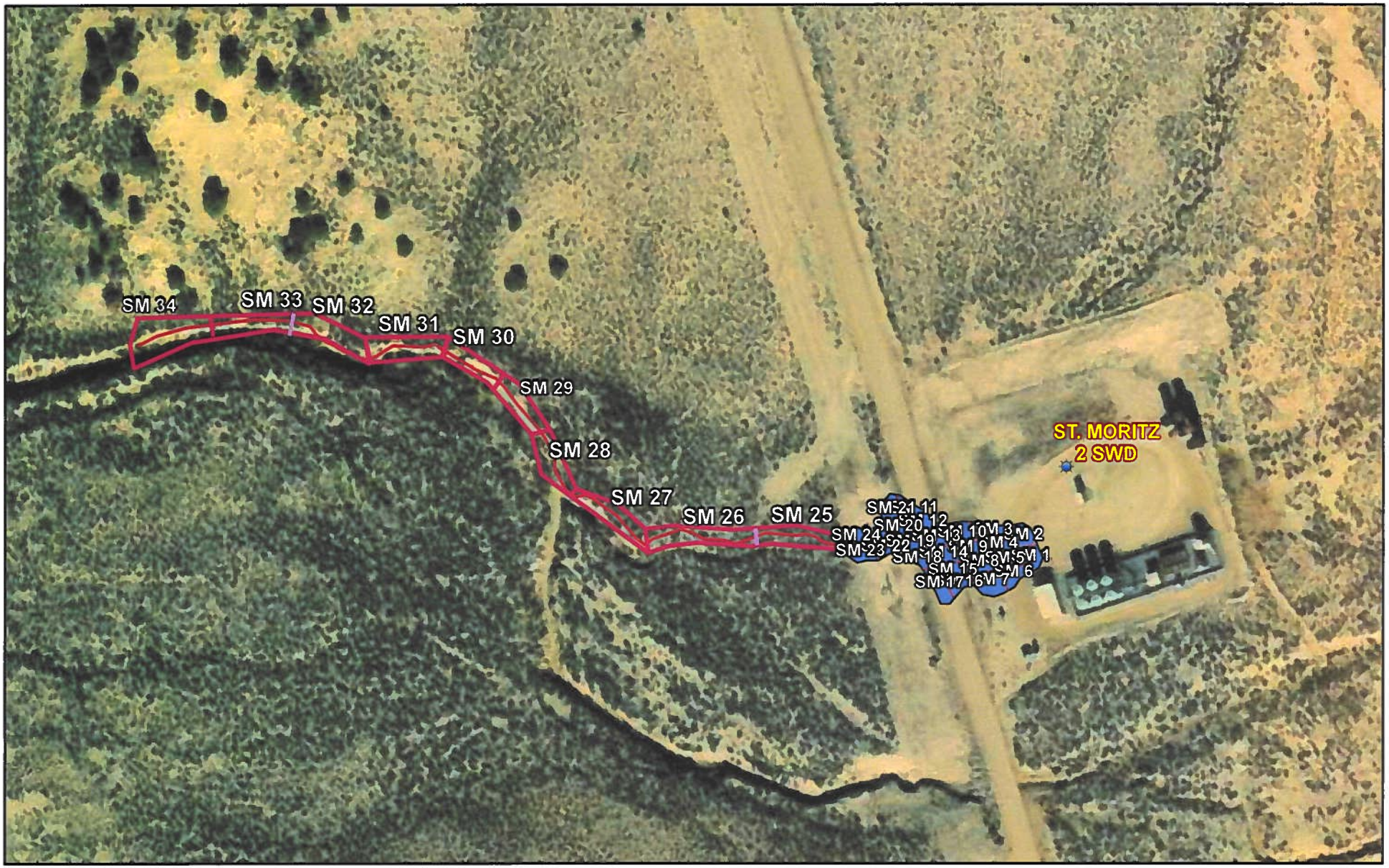
1:626

0 0 0.01 0.02 mi

0 0.01 0.01 0.02 km

Maxar, Microsoft

St. Moritz #2 Site Map



10/18/2022

- Spill and Leak Reporting - Spill path flume
- Spill and Leak Reporting - Spill Area
- SWD Wells

World Imagery
Low Resolution 15m Imagery
High Resolution 60cm Imagery

High Resolution 30cm Imagery
Citations
60cm Resolution Metadata

1:2,287

0 0.01 0.03 0.06 mi

0 0.03 0.05 0.1 km

Maxar, Microsoft

Kevin Smaka

From: Kevin Smaka
Sent: Thursday, October 6, 2022 11:04 AM
To: 'Joyner, Ryan N'; 'Adeloye, Abiodun A'; 'Velez, Nelson, EMNRD'
Cc: Mario Ulibarri
Subject: Notice of Sampling

Dugan will be conducting sampling activities at Dugan's St. Moritz SWD #2 this coming Monday 10/10/2022 @ 9:00 AM.

As directed in NMAC 19.15.29 you are being notified of our intentions to collect soil samples as part of spill closure.

Here is the wells legal information:

St. Moritz SWD #2
30-045-35281
J-26-24N-10W
2200 FSL 1780 FEL

Feel free to ask questions should you have any,

Kevin Smaka P.E.
Regulatory Engineer
Dugan Production Corp.
505-486-6207

Report to:

Kevin Smaka

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Dugan Production Corp.

Project Name: St. Moritz

Work Order: E210041

Job Number: 06094-0177

Received: 10/10/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/17/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/17/22

Kevin Smaka
PO Box 420
Farmington, NM 87499

Project Name: St. Moritz
Workorder: E210041
Date Received: 10/10/2022 4:05:00PM

Kevin Smaka,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/10/2022 4:05:00PM, under the Project Name: St. Moritz.

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

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

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

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

Respectfully,

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

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

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

Field Offices:

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

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Dugan Production Corp.	Project Name:	St. Moritz	Reported:
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/22 09:06

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SM 1	E210041-01A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 2	E210041-02A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 3	E210041-03A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 4	E210041-04A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 5	E210041-05A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 6	E210041-06A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 7	E210041-07A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 8	E210041-08A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 9	E210041-09A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 10	E210041-10A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 11	E210041-11A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 12	E210041-12A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 13	E210041-13A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 14	E210041-14A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 15	E210041-15A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 16	E210041-16A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 17	E210041-17A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 18	E210041-18A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 19	E210041-19A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 20	E210041-20A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

SM 1

E210041-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.1 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/11/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*10/11/22*	*10/11/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

SM 2

E210041-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.5 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/11/22	
Surrogate: n-Nonane		*118 %*	*50-200*	*10/11/22*	*10/11/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

SM 3

E210041-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.5 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/11/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*10/11/22*	*10/11/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

SM 4

E210041-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.5 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/11/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*10/11/22*	*10/11/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

SM 5

E210041-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.1 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/11/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*10/11/22*	*10/11/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

SM 6

E210041-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.8 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/11/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*10/11/22*	*10/11/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

SM 7

E210041-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.6 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/11/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*10/11/22*	*10/11/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

SM 8

E210041-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.4 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/11/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/11/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*10/11/22*	*10/11/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

SM 9

E210041-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.2 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/12/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*10/11/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

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E210041-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.2 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/12/22	
Surrogate: n-Nonane		*119 %*	*50-200*	*10/11/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

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E210041-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.4 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/12/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*10/11/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

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E210041-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.9 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/12/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*10/11/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

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E210041-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.0 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/12/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*10/11/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

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E210041-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*79.1 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/12/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*10/11/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

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E210041-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.4 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/12/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*10/11/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

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Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

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E210041-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.5 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/12/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*10/11/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/12/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

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E210041-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.9 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/12/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*10/11/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/13/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

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E210041-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.0 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/12/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*10/11/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/13/22	

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Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

SM 19

E210041-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.4 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/12/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*10/11/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/13/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

SM 20

E210041-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242021
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.8 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/22	10/12/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*10/11/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242023
Chloride	ND	20.0	1	10/11/22	10/13/22	

QC Summary Data

Dugan Production Corp.	Project Name:	St. Moritz	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2242021-BLK1)									Prepared: 10/11/22 Analyzed: 10/11/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.27*		*8.00*		*103*	*70-130*			
LCS (2242021-BS1)									Prepared: 10/11/22 Analyzed: 10/11/22
Benzene	5.92	0.0250	5.00		118	70-130			
Ethylbenzene	4.65	0.0250	5.00		93.0	70-130			
Toluene	4.98	0.0250	5.00		99.7	70-130			
o-Xylene	4.72	0.0250	5.00		94.5	70-130			
p,m-Xylene	9.45	0.0500	10.0		94.5	70-130			
Total Xylenes	14.2	0.0250	15.0		94.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.32*		*8.00*		*104*	*70-130*			
LCS Dup (2242021-BSD1)									Prepared: 10/11/22 Analyzed: 10/11/22
Benzene	5.66	0.0250	5.00		113	70-130	4.50	20	
Ethylbenzene	4.44	0.0250	5.00		88.8	70-130	4.66	20	
Toluene	4.75	0.0250	5.00		95.0	70-130	4.85	20	
o-Xylene	4.51	0.0250	5.00		90.2	70-130	4.63	20	
p,m-Xylene	9.03	0.0500	10.0		90.3	70-130	4.63	20	
Total Xylenes	13.5	0.0250	15.0		90.2	70-130	4.63	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.39*		*8.00*		*105*	*70-130*			

QC Summary Data

Dugan Production Corp.	Project Name:	St. Moritz	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2242021-BLK1)									Prepared: 10/11/22 Analyzed: 10/11/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.54*		*8.00*		*81.8*	*70-130*			
LCS (2242021-BS2)									Prepared: 10/11/22 Analyzed: 10/12/22
Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.65*		*8.00*		*83.1*	*70-130*			
LCS Dup (2242021-BSD2)									Prepared: 10/11/22 Analyzed: 10/12/22
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.8	70-130	14.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.81*		*8.00*		*85.2*	*70-130*			

QC Summary Data

Dugan Production Corp.	Project Name:	St. Moritz	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2242017-BLK1)									Prepared: 10/11/22 Analyzed: 10/11/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*62.4*		*50.0*		*125*	*50-200*			
LCS (2242017-BS1)									Prepared: 10/11/22 Analyzed: 10/11/22
Diesel Range Organics (C10-C28)	256	25.0	250		102	38-132			
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*50-200*			
Matrix Spike (2242017-MS1)				**Source: E210041-04**					Prepared: 10/11/22 Analyzed: 10/11/22
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	*53.9*		*50.0*		*108*	*50-200*			
Matrix Spike Dup (2242017-MSD1)				**Source: E210041-04**					Prepared: 10/11/22 Analyzed: 10/11/22
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	2.23	20	
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*50-200*			

QC Summary Data

Dugan Production Corp.	Project Name:	St. Moritz	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:06:59AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2242023-BLK1)									Prepared: 10/11/22 Analyzed: 10/12/22
Chloride	ND	20.0							
LCS (2242023-BS1)									Prepared: 10/11/22 Analyzed: 10/12/22
Chloride	263	20.0	250		105	90-110			
Matrix Spike (2242023-MS1)				**Source: E210041-01**					Prepared: 10/11/22 Analyzed: 10/12/22
Chloride	244	20.0	250	ND	97.6	80-120			
Matrix Spike Dup (2242023-MSD1)				**Source: E210041-01**					Prepared: 10/11/22 Analyzed: 10/12/22
Chloride	256	20.0	250	ND	102	80-120	4.67	20	

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

Definitions and Notes

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/22 09:06

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information

Chain of Custody

Page 1 of 34

Client: DVGT	
Project: SE. Maritz	
Project Manager: Kevin Smaka	
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E210041	01094-0177

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	

Analysis and Method

Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
1600	10/10	S	1	SM 1	1	X	X	X			X	
				SM 2	2							
				SM 3	3							
				SM 4	4							
				SM 5	5							
				SM 6	6							
				SM 7	7							
				SM 8	8							
				SM 9	9							
↓	↓	↓	↓	SM 10	10	↓	↓	↓			↓	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kevin Smaka	10/10/22	16:05	Cattie Chin	10/10/22	16:05
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

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Project Information

Chain of Custody

Page 2 of 34

Client: Dugan	Bill To
Project: St. Moritz	Attention:
Project Manager: Kevin Smaka	Address:
Address:	City, State, Zip
City, State, Zip	Phone:
Phone:	Email:
Email:	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E210041	00094-0177				X		
							RCRA
State: NM / CO / UT / AZ / TX							

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
10:00	10/10	S	1	SM 11	11	X	X	X			X	
↓	↓	↓	↓	SM 12	12	↓	↓	↓			↓	
				SM 13	13							
				SM 14	14							
				SM 15	15							
				SM 16	16							
				SM 17	17							
				SM 18	18							
				SM 19	19							
				SM 20	20							

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kevin Smaka	10/10/22	16:05	Carter Chester	10/10/22	16:05

Lab Use Only

Received on ice: (Y) / N

T1 ______ T2 ______ T3 ______

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 10/10/2022 4:31:50PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Dugan Production Corp.	Date Received:	10/10/22 16:05	Work Order ID:	E210041
Phone:	505-486-6207	Date Logged In:	10/10/22 16:18	Logged In By:	Caitlin Christian
Email:	kevin.smaka@duganproduction.com	Due Date:	10/17/22 17:00 (5 day TAT)		

Chain of Custody (COC)

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

St.Moritz Project has been separated into 2 reports due to sample volume. Workorders are as follows: E210041/E210042.

Client Instruction

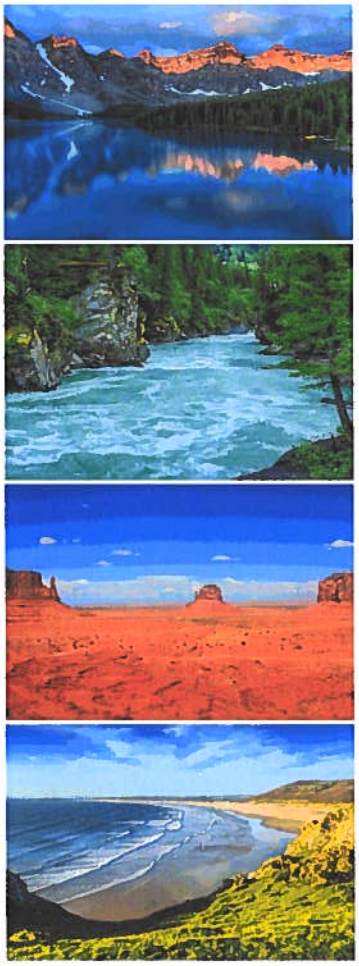
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Kevin Smaka



5796 U.S. Hwy 64
Farmington, NM 87401

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

NELAP ACCREDITED TNI LABORATORY

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Dugan Production Corp.

Project Name: St. Moritz

Work Order: E210042

Job Number: 06094-0177

Received: 10/10/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/17/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/17/22

Kevin Smaka
PO Box 420
Farmington, NM 87499

Project Name: St. Moritz
Workorder: E210042
Date Received: 10/10/2022 4:05:00PM

Kevin Smaka,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/10/2022 4:05:00PM, under the Project Name: St. Moritz.

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

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

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

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

Respectfully,

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

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

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

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Technical Representative/Client Services
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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Dugan Production Corp.	Project Name:	St. Moritz	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/22 09:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SM 21	E210042-01A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 22	E210042-02A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 23	E210042-03A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 24	E210042-04A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 25	E210042-05A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 26	E210042-06A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 27	E210042-07A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 28	E210042-08A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 29	E210042-09A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 30	E210042-10A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 31	E210042-11A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 32	E210042-12A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 33	E210042-13A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.
SM 34	E210042-14A	Soil	10/10/22	10/10/22	Glass Jar, 2 oz.

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

SM 21

E210042-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

SM 22

E210042-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

SM 23

E210042-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*120 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

SM 24

E210042-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/11/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/11/22	
Toluene	ND	0.0250	1	10/11/22	10/11/22	
o-Xylene	ND	0.0250	1	10/11/22	10/11/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/11/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/11/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*10/11/22*	*10/11/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/11/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*10/11/22*	*10/11/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

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E210042-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

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Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

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E210042-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

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E210042-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*117 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

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E210042-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

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E210042-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.5 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*117 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

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E210042-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

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E210042-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

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E210042-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

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Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

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E210042-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*117 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

Sample Data

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

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E210042-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Benzene	ND	0.0250	1	10/11/22	10/12/22	
Ethylbenzene	ND	0.0250	1	10/11/22	10/12/22	
Toluene	ND	0.0250	1	10/11/22	10/12/22	
o-Xylene	ND	0.0250	1	10/11/22	10/12/22	
p,m-Xylene	ND	0.0500	1	10/11/22	10/12/22	
Total Xylenes	ND	0.0250	1	10/11/22	10/12/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2242022
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/11/22	10/12/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*10/11/22*	*10/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2242018
Diesel Range Organics (C10-C28)	ND	25.0	1	10/12/22	10/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/12/22	10/12/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*10/12/22*	*10/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2242032
Chloride	ND	20.0	1	10/11/22	10/13/22	

QC Summary Data

Dugan Production Corp.	Project Name:	St. Moritz	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2242022-BLK1)									Prepared: 10/11/22 Analyzed: 10/11/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.98*		*8.00*		*99.7*	*70-130*			
LCS (2242022-BS1)									Prepared: 10/11/22 Analyzed: 10/11/22
Benzene	4.21	0.0250	5.00		84.2	70-130			
Ethylbenzene	4.17	0.0250	5.00		83.3	70-130			
Toluene	4.28	0.0250	5.00		85.5	70-130			
o-Xylene	4.27	0.0250	5.00		85.4	70-130			
p,m-Xylene	8.45	0.0500	10.0		84.5	70-130			
Total Xylenes	12.7	0.0250	15.0		84.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.23*		*8.00*		*103*	*70-130*			
Matrix Spike (2242022-MS1)				**Source: E210042-04**					Prepared: 10/11/22 Analyzed: 10/11/22
Benzene	4.55	0.0250	5.00	ND	91.1	54-133			
Ethylbenzene	4.50	0.0250	5.00	ND	89.9	61-133			
Toluene	4.62	0.0250	5.00	ND	92.5	61-130			
o-Xylene	4.61	0.0250	5.00	ND	92.3	63-131			
p,m-Xylene	9.11	0.0500	10.0	ND	91.1	63-131			
Total Xylenes	13.7	0.0250	15.0	ND	91.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.35*		*8.00*		*104*	*70-130*			
Matrix Spike Dup (2242022-MSD1)				**Source: E210042-04**					Prepared: 10/11/22 Analyzed: 10/11/22
Benzene	4.69	0.0250	5.00	ND	93.8	54-133	2.96	20	
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133	2.98	20	
Toluene	4.76	0.0250	5.00	ND	95.2	61-130	2.95	20	
o-Xylene	4.75	0.0250	5.00	ND	95.1	63-131	2.97	20	
p,m-Xylene	9.38	0.0500	10.0	ND	93.8	63-131	2.88	20	
Total Xylenes	14.1	0.0250	15.0	ND	94.2	63-131	2.91	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.31*		*8.00*		*104*	*70-130*			

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QC Summary Data

Dugan Production Corp.	Project Name:	St. Moritz	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2242022-BLK1)									Prepared: 10/11/22 Analyzed: 10/11/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*97.1*	*70-130*			
LCS (2242022-BS2)									Prepared: 10/11/22 Analyzed: 10/11/22
Gasoline Range Organics (C6-C10)	55.7	20.0	50.0		111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.92*		*8.00*		*99.0*	*70-130*			
Matrix Spike (2242022-MS2)				**Source: E210042-04**					Prepared: 10/11/22 Analyzed: 10/11/22
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			
Matrix Spike Dup (2242022-MSD2)				**Source: E210042-04**					Prepared: 10/11/22 Analyzed: 10/11/22
Gasoline Range Organics (C6-C10)	37.9	20.0	50.0	ND	75.9	70-130	16.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			

QC Summary Data

Dugan Production Corp.	Project Name:	St. Moritz	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2242018-BLK1)									Prepared: 10/12/22 Analyzed: 10/12/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*64.4*		*50.0*		*129*	*50-200*			
LCS (2242018-BS1)									Prepared: 10/12/22 Analyzed: 10/12/22
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	38-132			
Surrogate: n-Nonane	*52.7*		*50.0*		*105*	*50-200*			
Matrix Spike (2242018-MS1)				**Source: E210042-12**					Prepared: 10/12/22 Analyzed: 10/12/22
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.1	38-132			
Surrogate: n-Nonane	*51.8*		*50.0*		*104*	*50-200*			
Matrix Spike Dup (2242018-MSD1)				**Source: E210042-12**					Prepared: 10/12/22 Analyzed: 10/12/22
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.3	38-132	3.98	20	
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*50-200*			

QC Summary Data

Dugan Production Corp.	Project Name:	St. Moritz	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/2022 9:12:43AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2242032-BLK1)									Prepared: 10/11/22 Analyzed: 10/13/22
Chloride	ND	20.0							
LCS (2242032-BS1)									Prepared: 10/11/22 Analyzed: 10/13/22
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2242032-MS1)				**Source: E210042-01**					Prepared: 10/11/22 Analyzed: 10/13/22
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2242032-MSD1)				**Source: E210042-01**					Prepared: 10/11/22 Analyzed: 10/13/22
Chloride	258	20.0	250	ND	103	80-120	0.888	20	

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

Definitions and Notes

Dugan Production Corp.	Project Name:	St. Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/17/22 09:12

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information

Chain of Custody

Page 3 of 34

Client:	Bill To
Project:	Attention:
Project Manager:	Address:
Address:	City, State, Zip
City, State, Zip	Phone:
Phone:	Email:
Email:	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E210042	06079-0177				X		
							RCRA
						State	
						NM CO UT AZ TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
10:00	10/10	S	1	SM 21	1	X	X	X			X	
				22	2							
				23	3							
				24	4							
				25	5							
				26	6							
				27	7							
				28	8							
				29	9							
↓	↓	↓	↓	↓ 30	10	↓	↓	↓			↓	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/10/22	16:05		10/10/22	16:05
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

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

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

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Project Information

Chain of Custody

Page 4 of 4

Client: Dugan	Bill To
Project: St. Moritz 4	Attention:
Project Manager: Kevin Smaka	Address:
Address:	City, State, Zip
City, State, Zip	Phone:
Phone:	Email:
Email:	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E210042	06099-0177				X		
							RCRA

State: NM | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
10:00	10/10	S	1	SM 31	11	X	X	X			X	
↓	↓	↓	↓	32	12	↓	↓	↓			↓	
↓	↓	↓	↓	33	13	↓	↓	↓			↓	
↓	↓	↓	↓	34	14	↓	↓	↓			↓	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kevin Smaka	10/10/22	16:05	[signature]	10/10/22	16:05

Lab Use Only

Received on ice: (Y) / N

T1 ______ T2 ______ T3 ______

AVG Temp °C 4

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

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

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

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Envirotech Analytical Laboratory

Printed: 10/11/2022 10:30:37AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Dugan Production Corp.	Date Received:	10/10/22 16:05	Work Order ID:	E210042
Phone:	505-486-6207	Date Logged In:	10/10/22 16:21	Logged In By:	Caitlin Christian
Email:	kevin.smaka@duganproduction.com	Due Date:	10/17/22 17:00 (5 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

St.Moritz Project has been separated into 2 reports due to sample volume. Workorders are as follows: E210041/E210042.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

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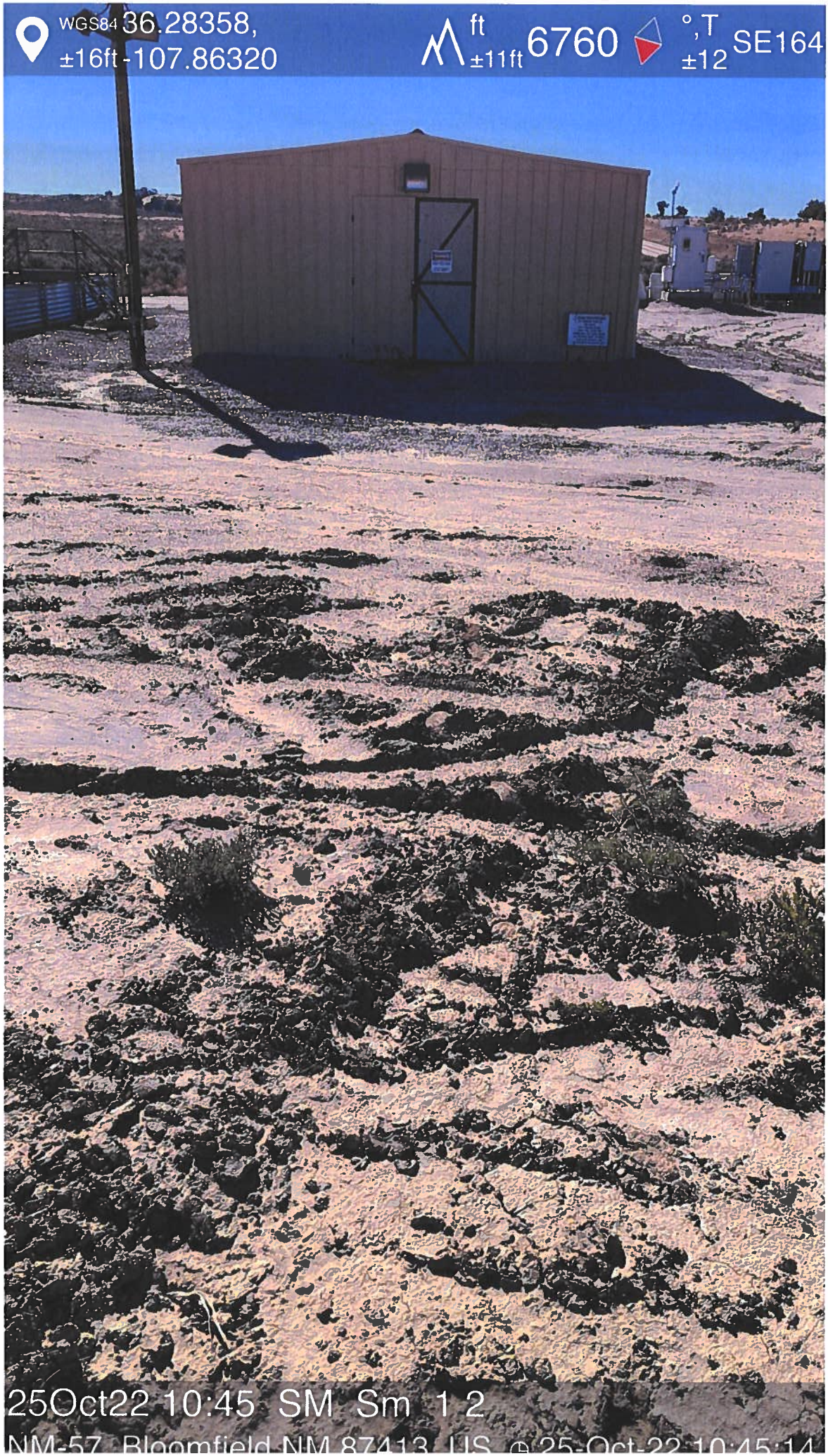

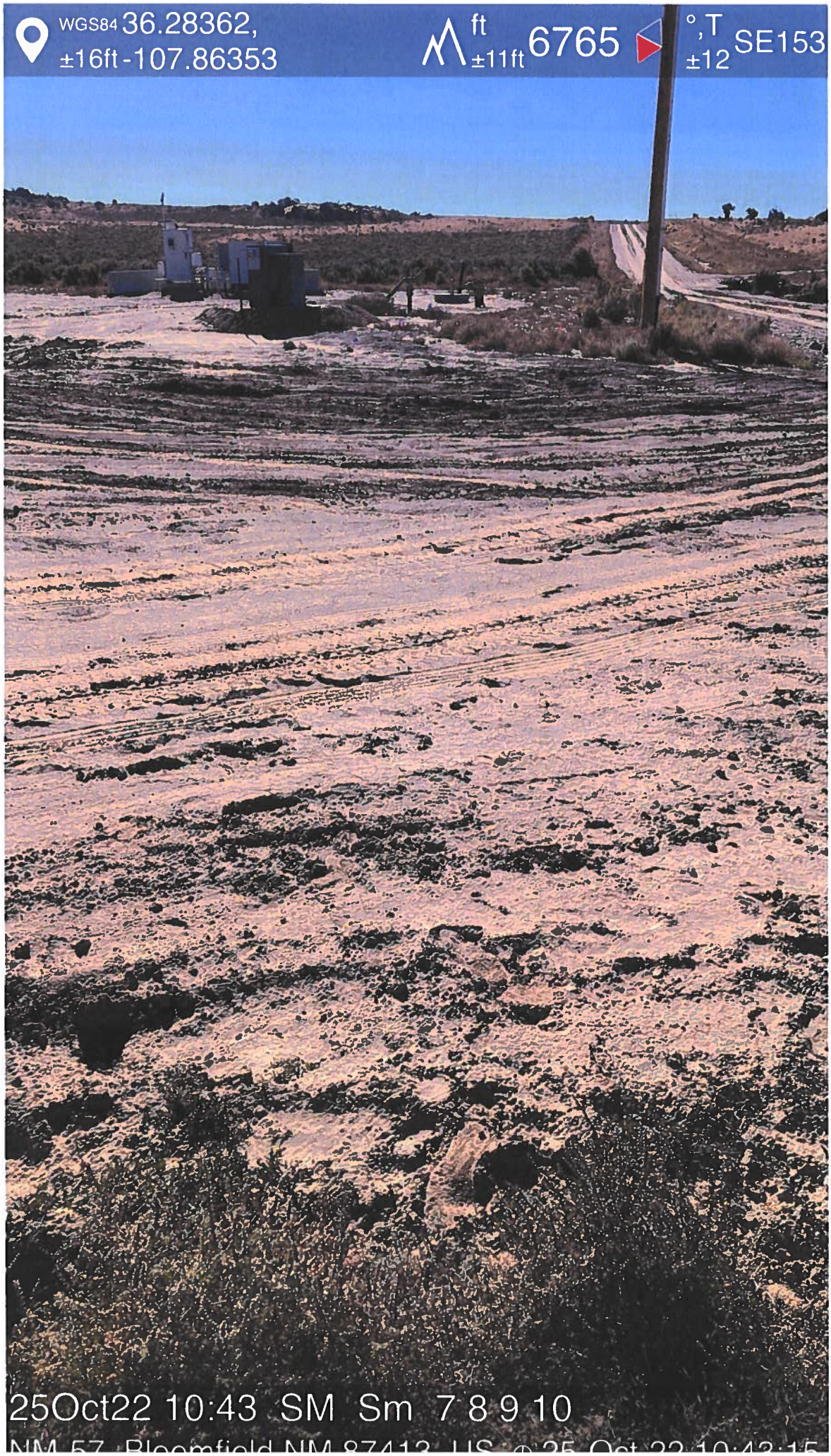

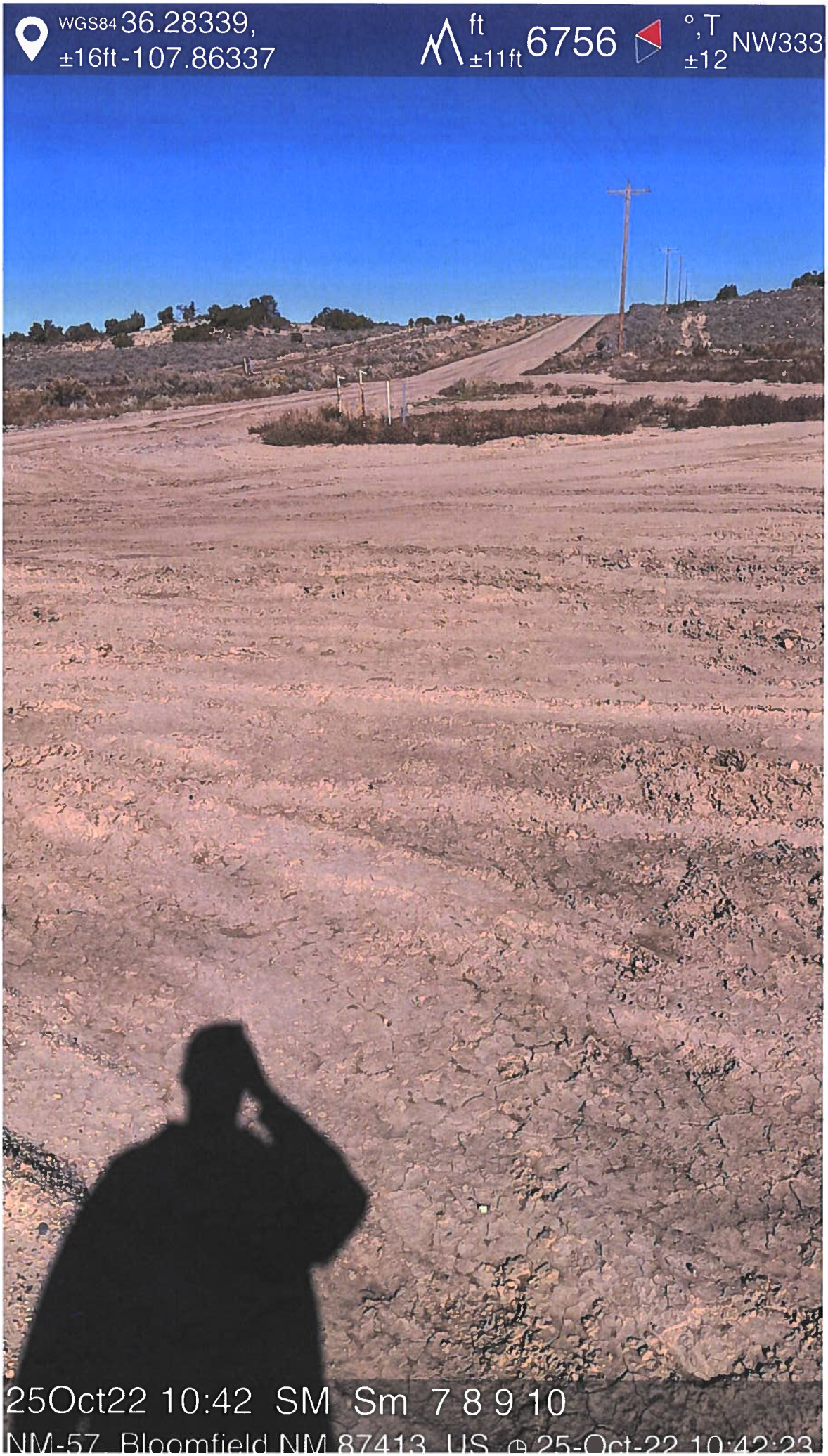

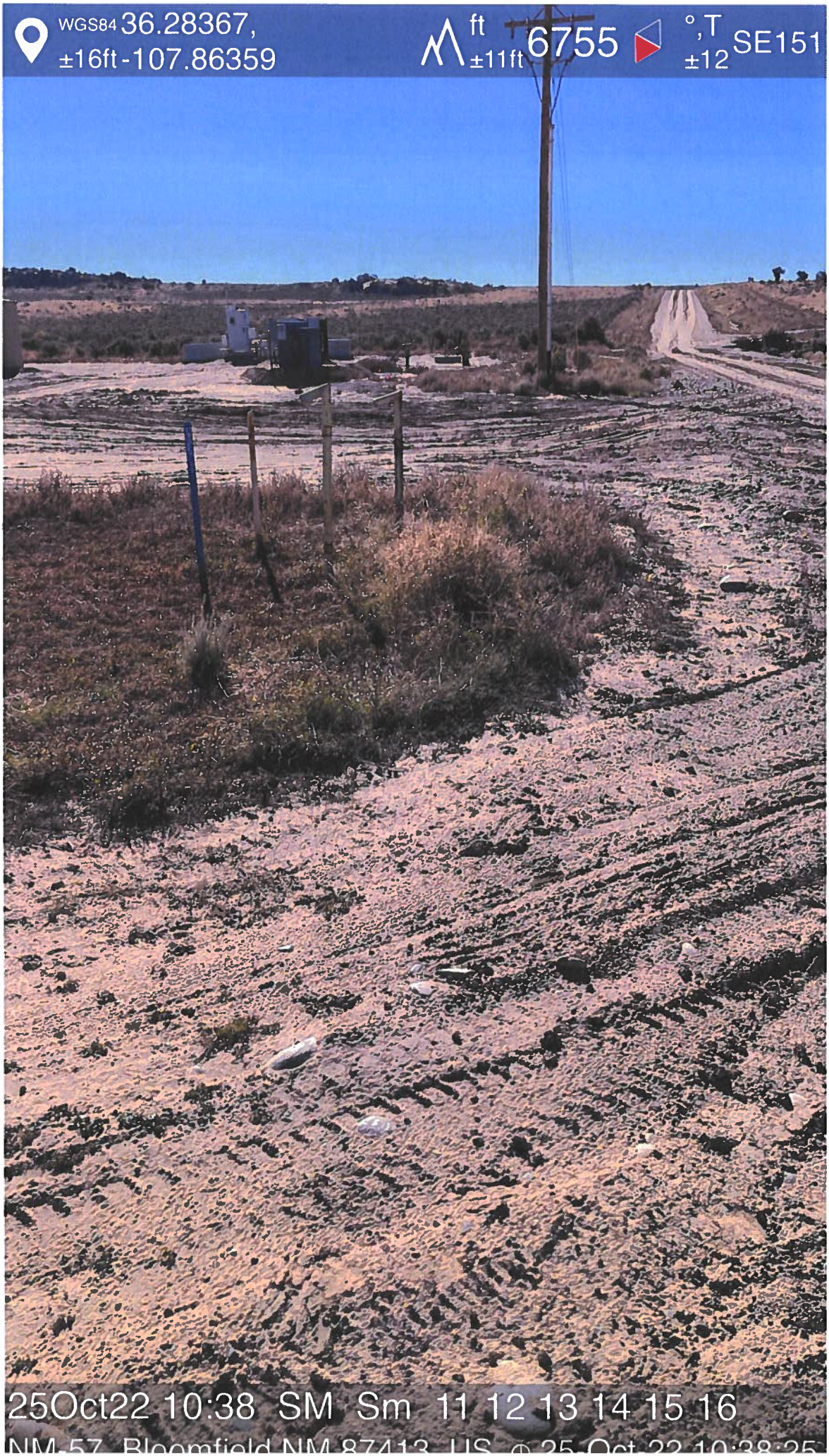

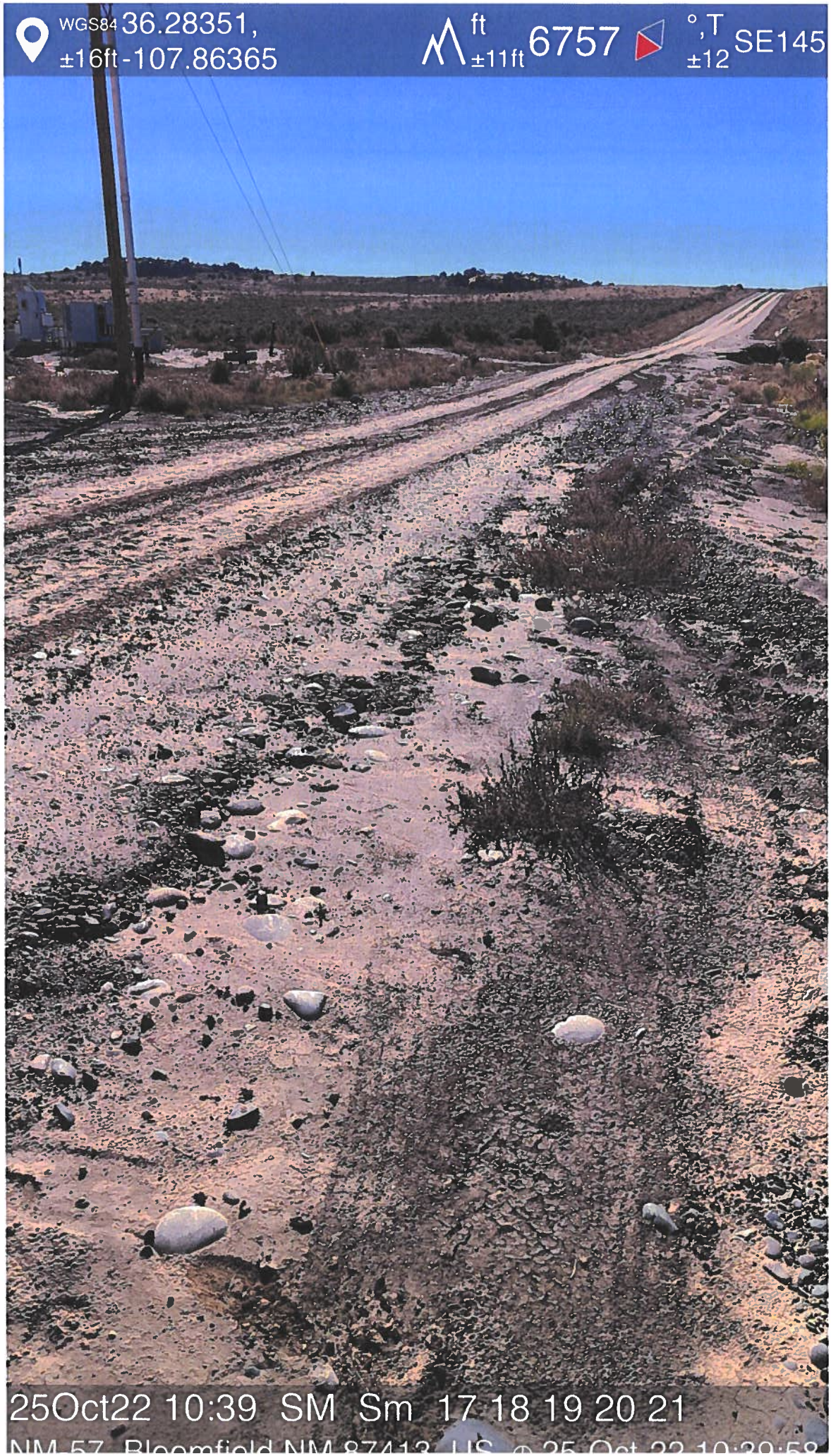

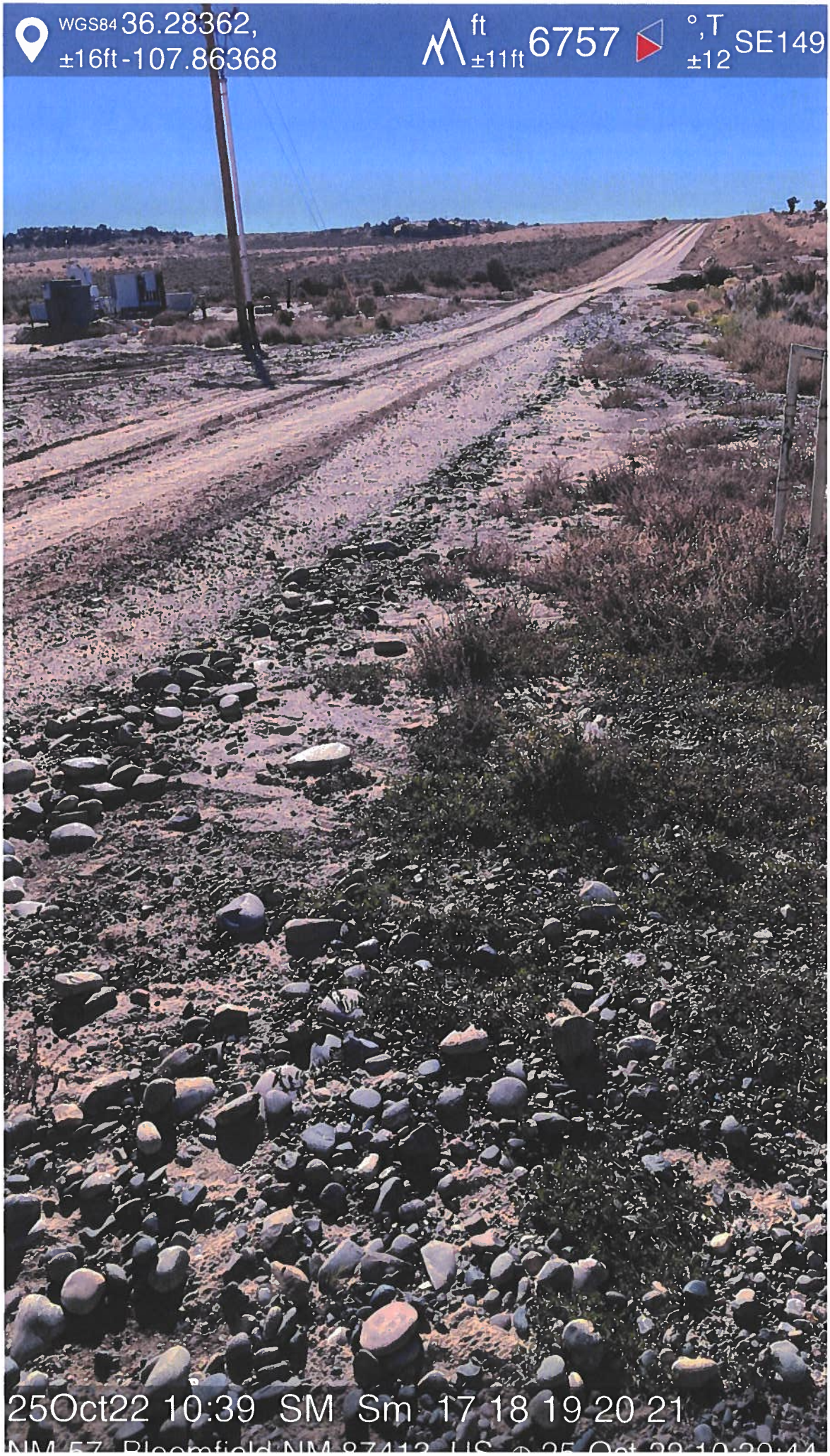

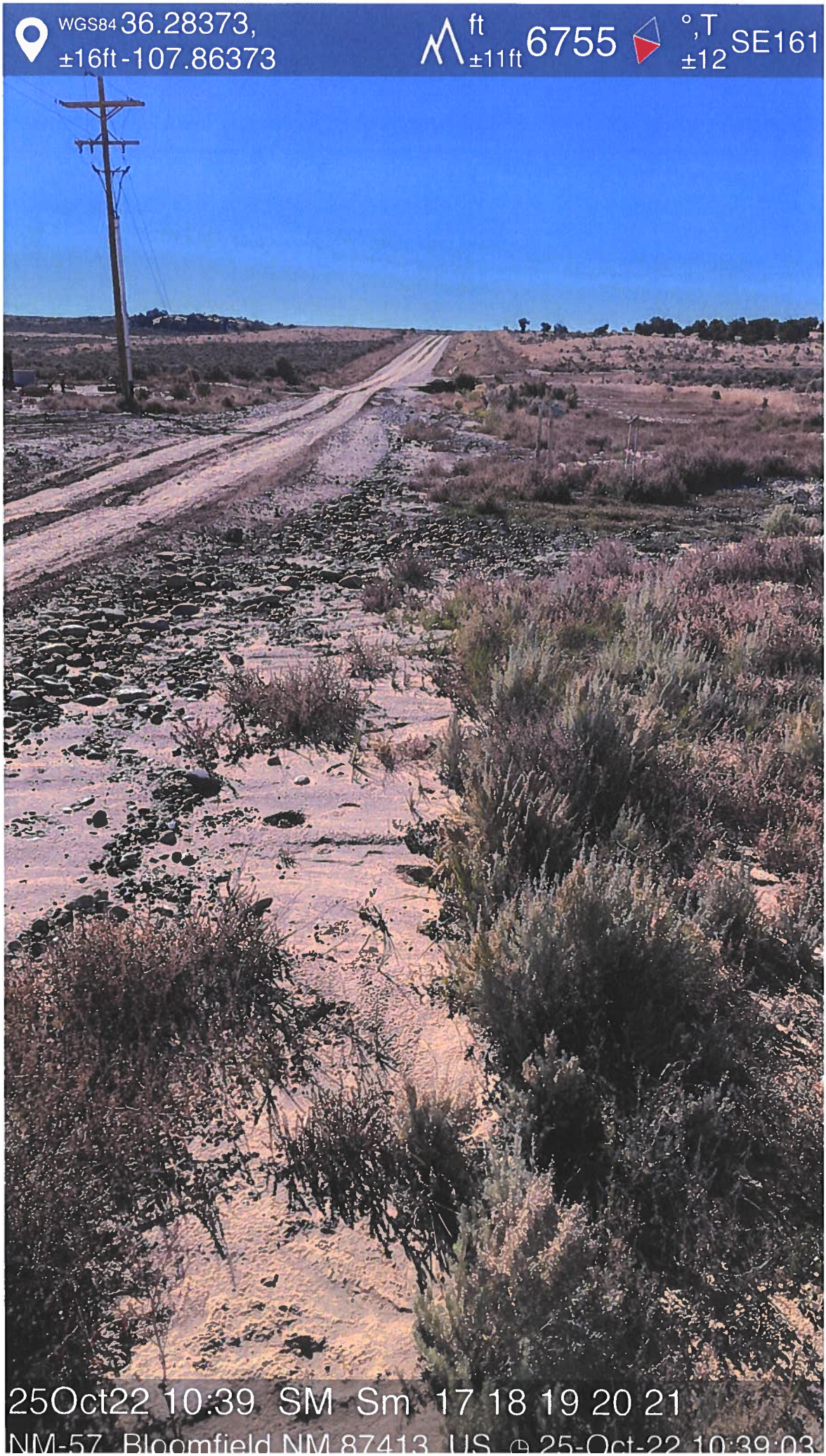

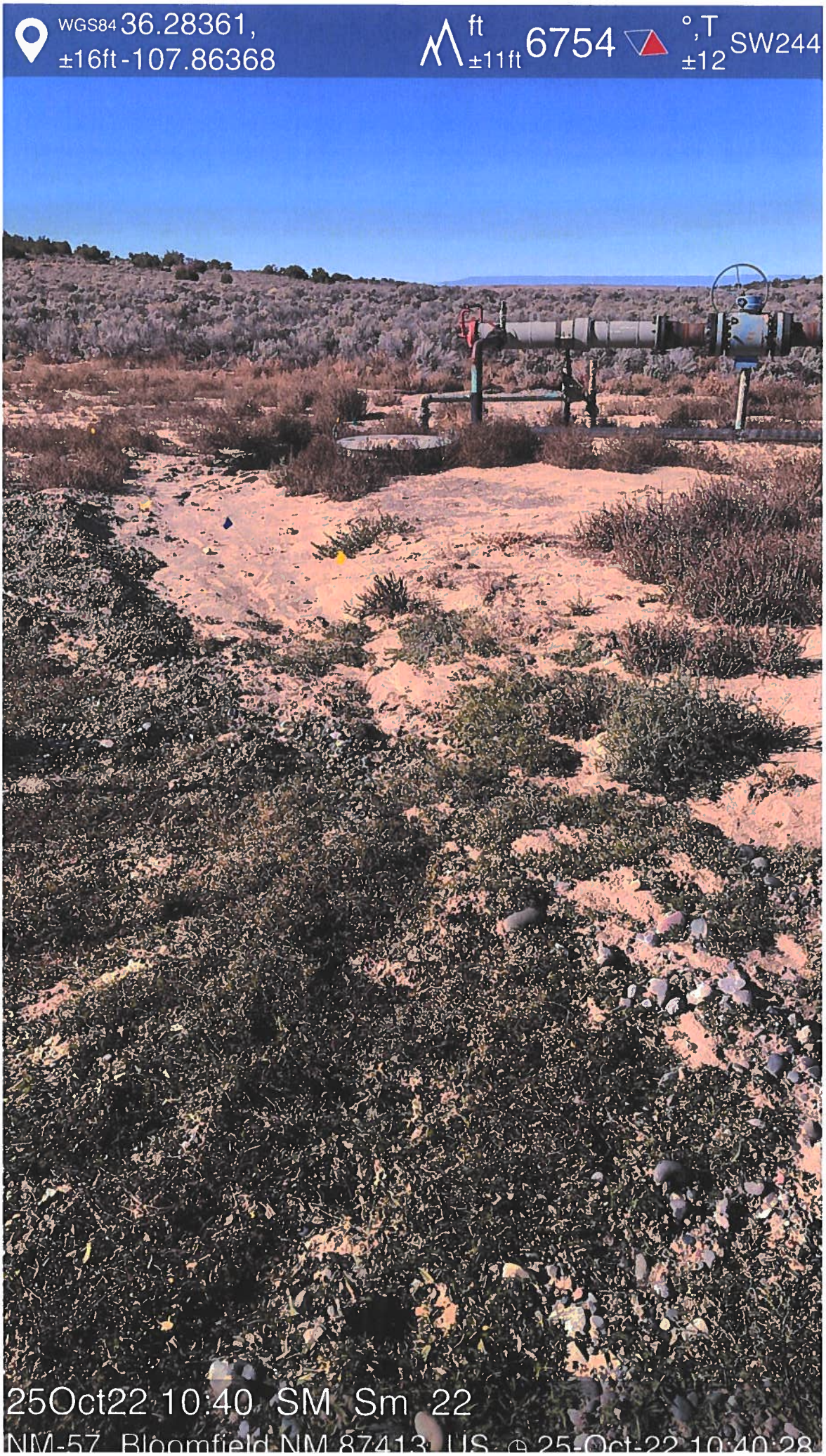

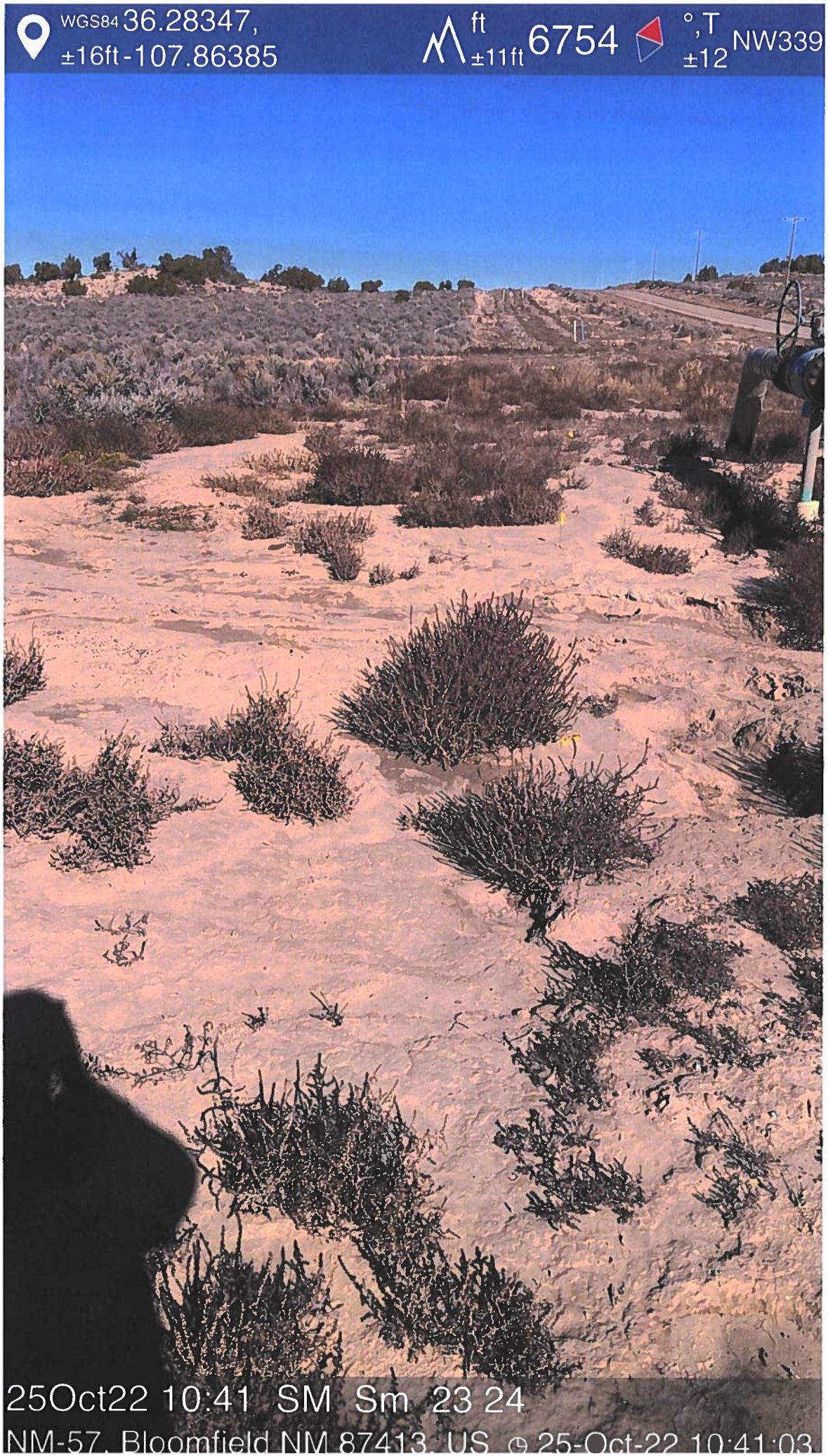

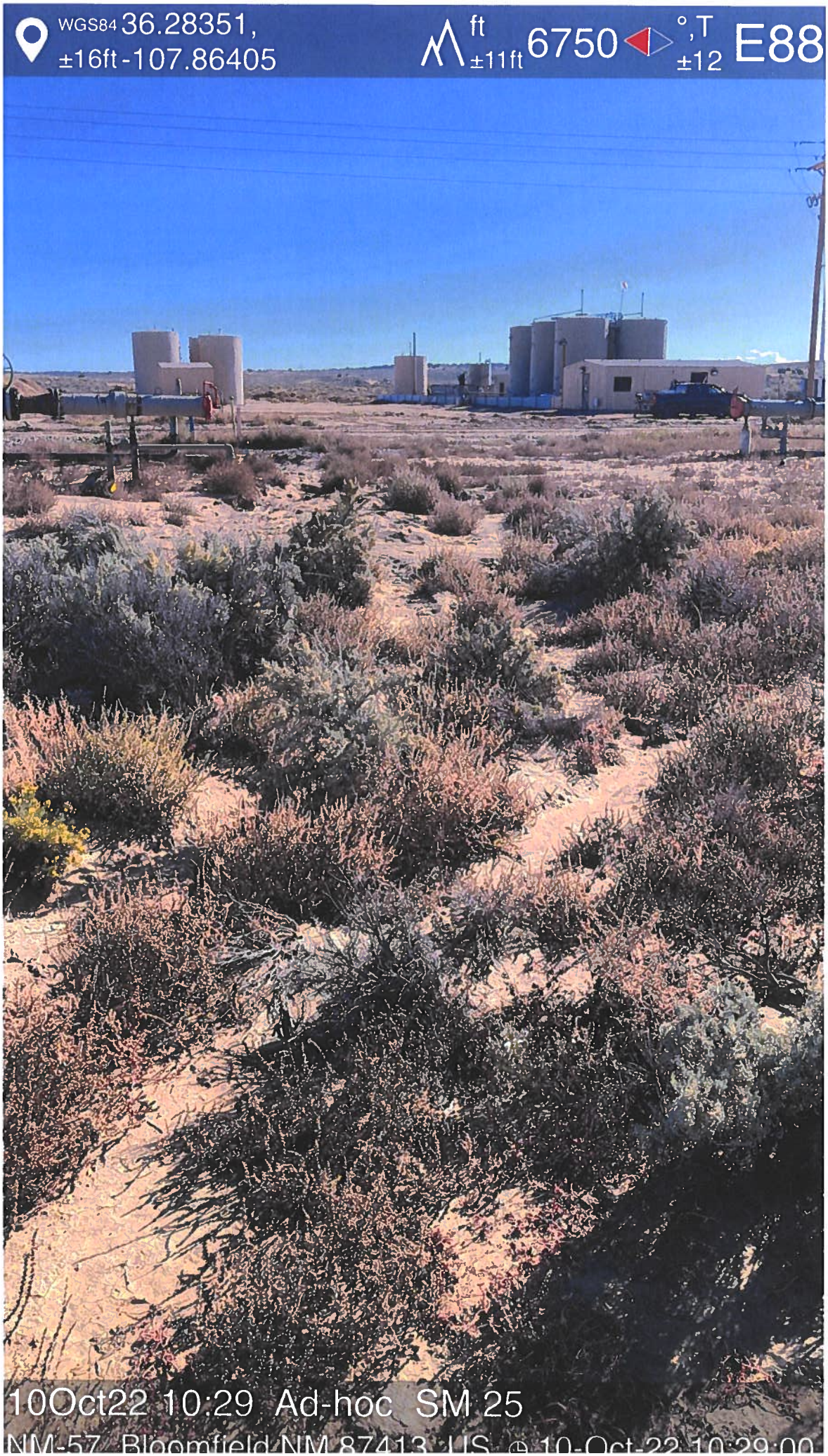

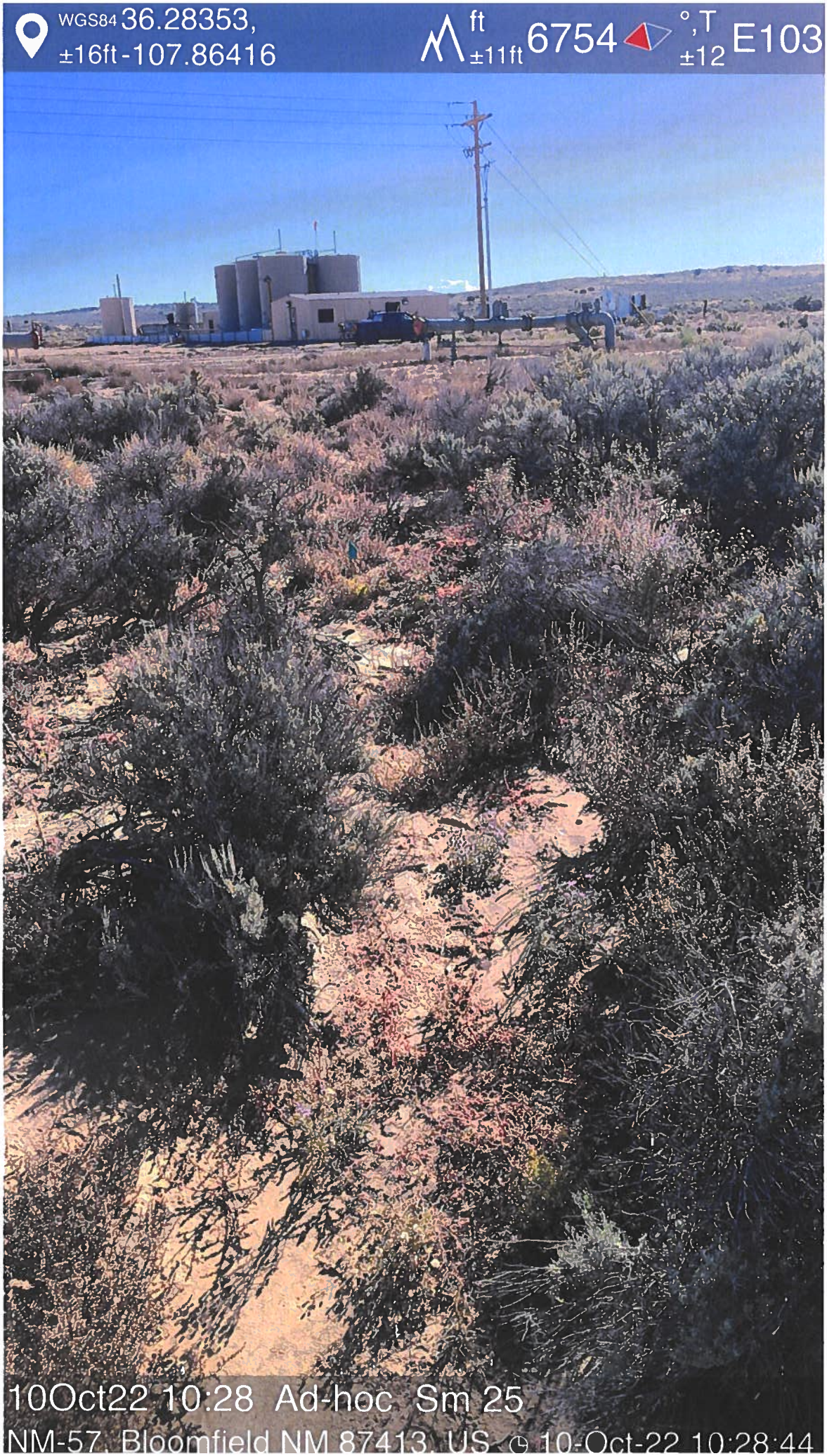

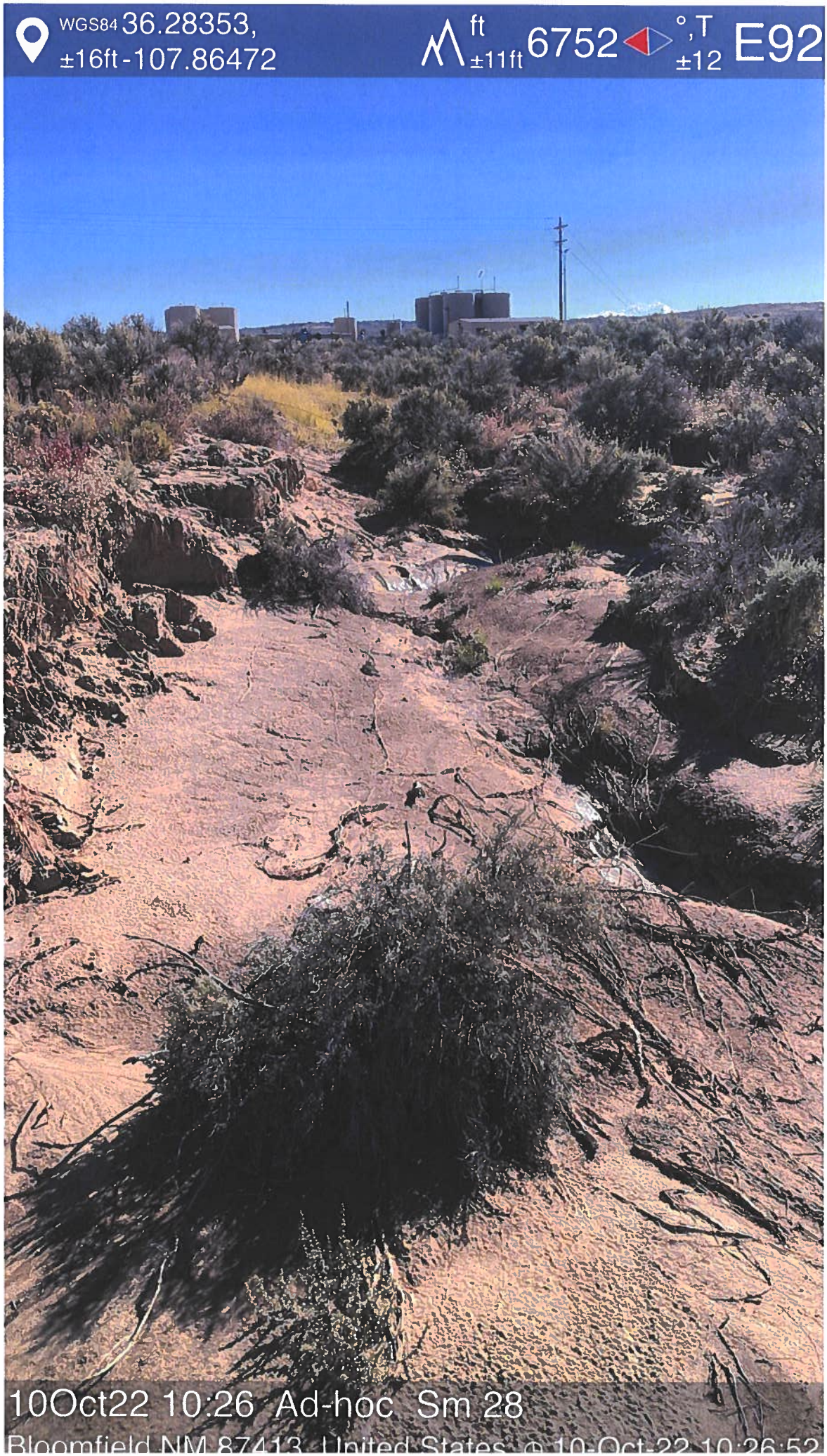

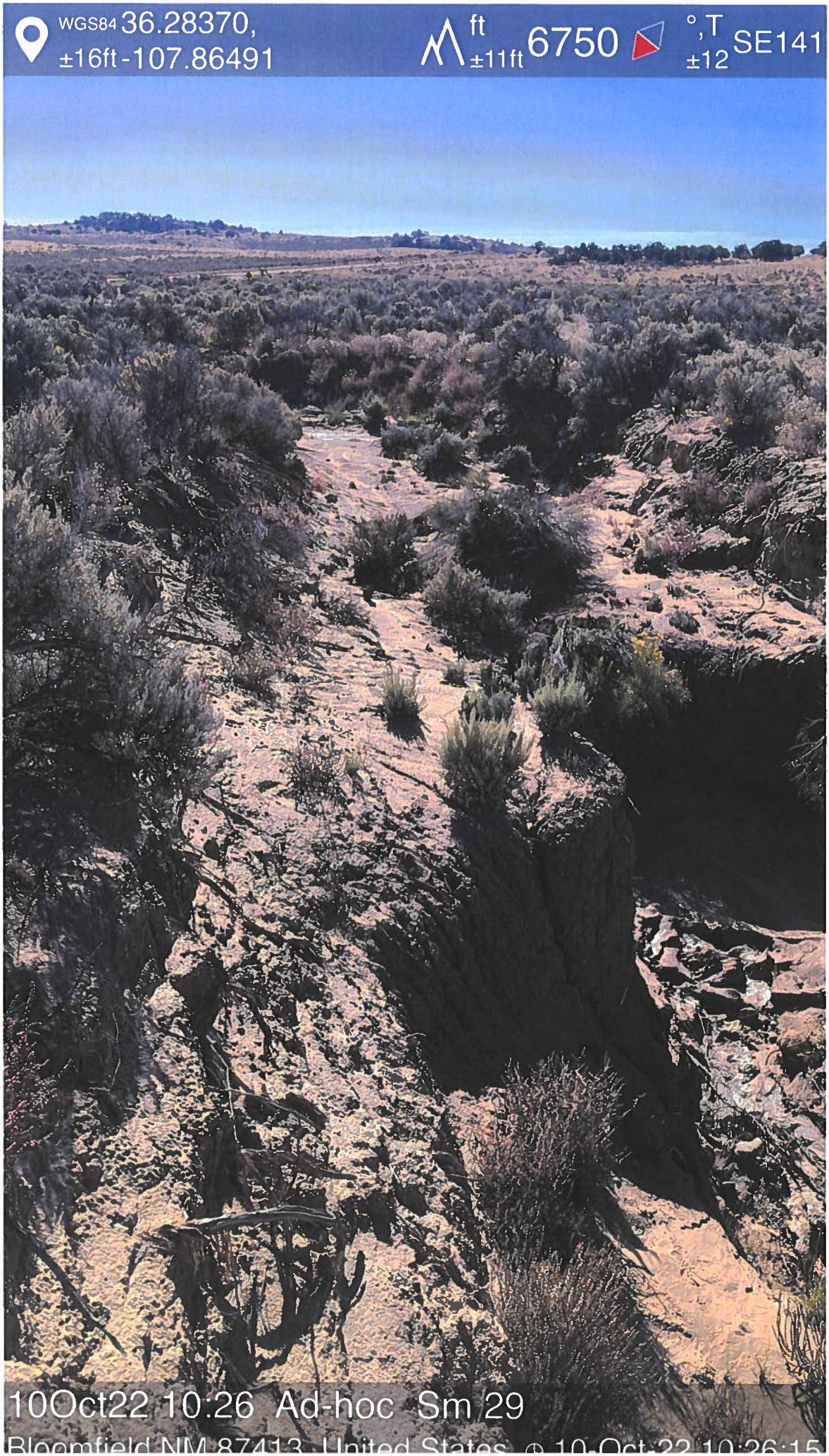

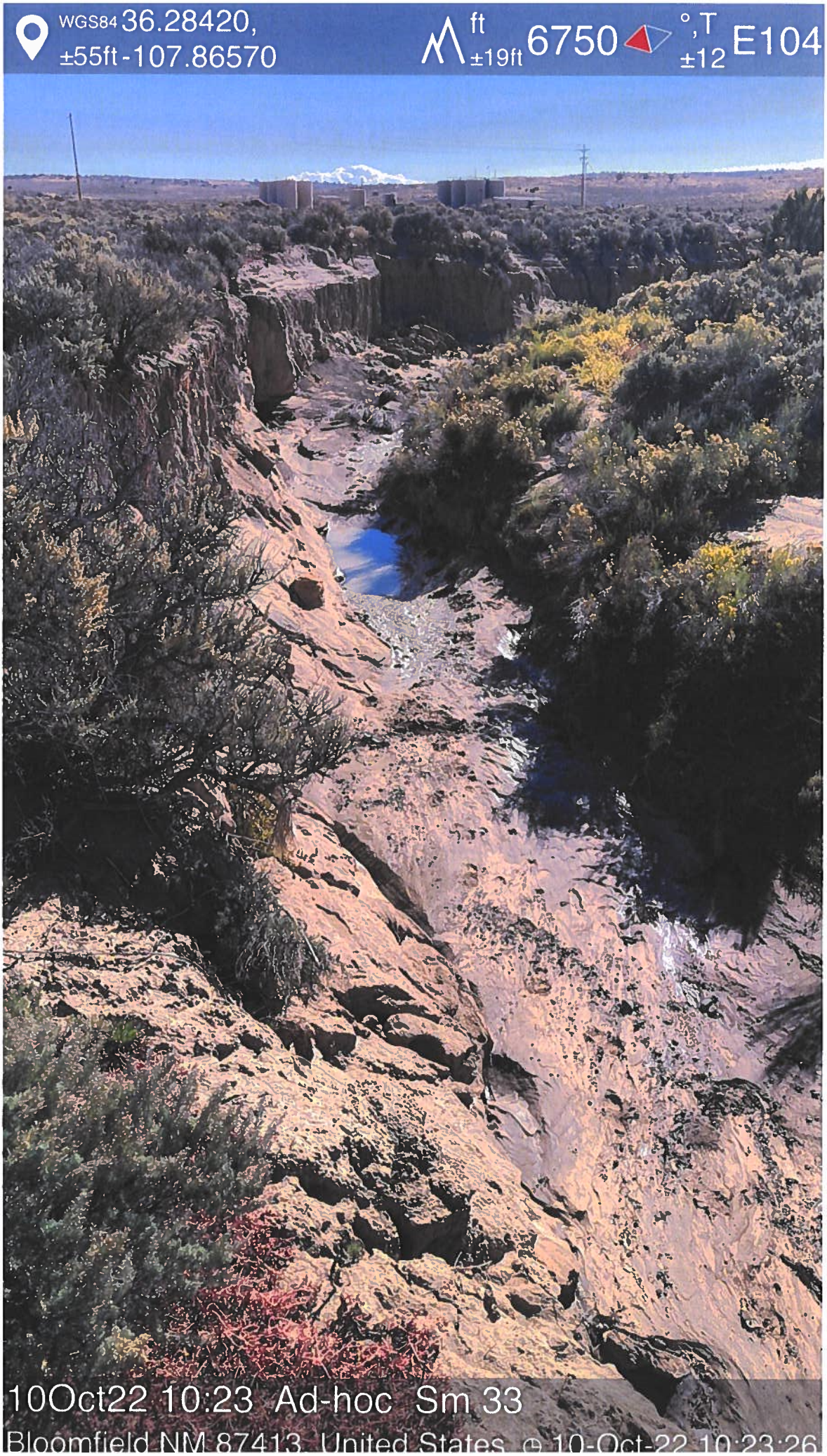

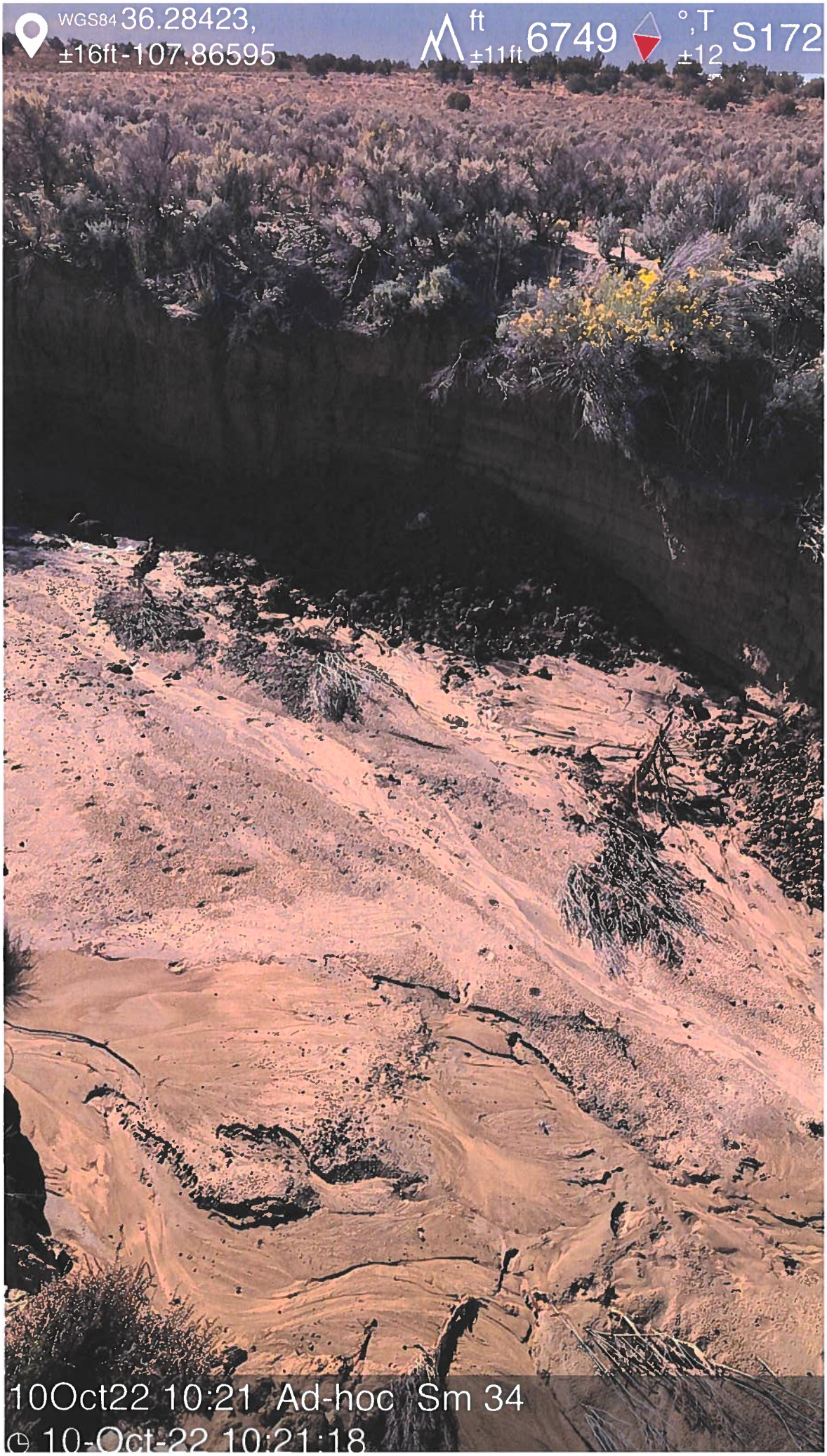

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 154936

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 154936
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	11/18/2022