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

Form C-141
Page 2

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? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
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:
Date: January 28, 2022
email: Kevin.Smaka@duganproduction.com
Telephone: 505-325-1821 x1049

OCD Only

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

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	25 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? 05/26/2022 - NV	☐ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: 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: _____

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: 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 ☐ Denied ☐ Deferral Approved

(SEE BELOW)

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.

St. Moritz SWD #2 Remediation Plan

30-045-35281

J-26-24N-10W

2200 FSL 1780 FEL

Field Notes and Remedial Activities up to Date

There was a produced water spill located at Dugan's St. Moritz SWD #2 on January 17, 2022. The cause of the spill was an injection line leak. The immediate response was to shut down the injection facility. Dispatched a vacuum truck and recovered all free-standing water on location.

The spill area was mapped out. It is estimated 13,561 square feet of surface was impacted by the water spill. Digging test holes showed water soaked to a depth of 6 inches on the clay soils. A portion of the spill did reach a nearby drainage. It appeared the drainage soaked to a depth of 1 foot.

An excavation log has been included as part of this report.

On 3/23/22 Dugan crews excavated the top two feet of soil with a backhoe in areas equipment could safely and reasonably reach. In the drainage/off pad areas five gallon buckets were used to fill a loader bucket. Soil samples were collected.

Results indicate that all areas are within the limits of Table 1 of the spill except one corner on the pad. It appears there is a spot of historical oil contamination.

Remediation Plan/Site Characterization

Based on soil conditions and sampling results it appears the produced water portion of this spill has been successfully delineated and remediated. The location with high organics will be investigated further. The proposed method to remediate is to excavate and remove the contaminants to the Envirotech land farm. ~~No further actions will be taken to remediate the produced water spill closure.~~ NV - 05/26/2022

Due to the large surface area of the spill Dugan is proposing that 5-point samples be collected at 6 locations on the pad, 4 from the impacted area near the pig launching equipment. In the drainage affected area we plan to collect 1 point sample every 200 linear feet of the drainage. The plume measured 967 feet which equates to 5 5-point samples in the drainage area.

A map of our proposed sampling plan has been included.

The hydrogeologic report for the BGT registration indicates water is within 25 feet of the surface. Whereas on pad we are over 100 feet from water. For this reason we are requesting

your agencies approval to allow samples be collected in areas larger than 200 square feet. In the drainage where water is close to surface will adhere to the ~~guidelines~~ of 1 5-point sample every 200 square feet.

19.15.29.12D (1c) NMAC

NV - 5/26/2022

Dugan proposes to start working on this plan immediately. Dugan will work to clean the hydrocarbon affected soils. Once we have approval from OCD and BLM for our sampling plan we will schedule final sampling to verify that all impacts have been corrected.

As part of site characterization it was found this spill is laying within a 100 year flood plain. As such the spill must be remediated to the strictest standards found in table 1 of the spill rule.

Table I
Closure Criteria for Soils Impacted by a Release

Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Following confirmation from lab results the excavated pad area will be backfilled with clean soils.

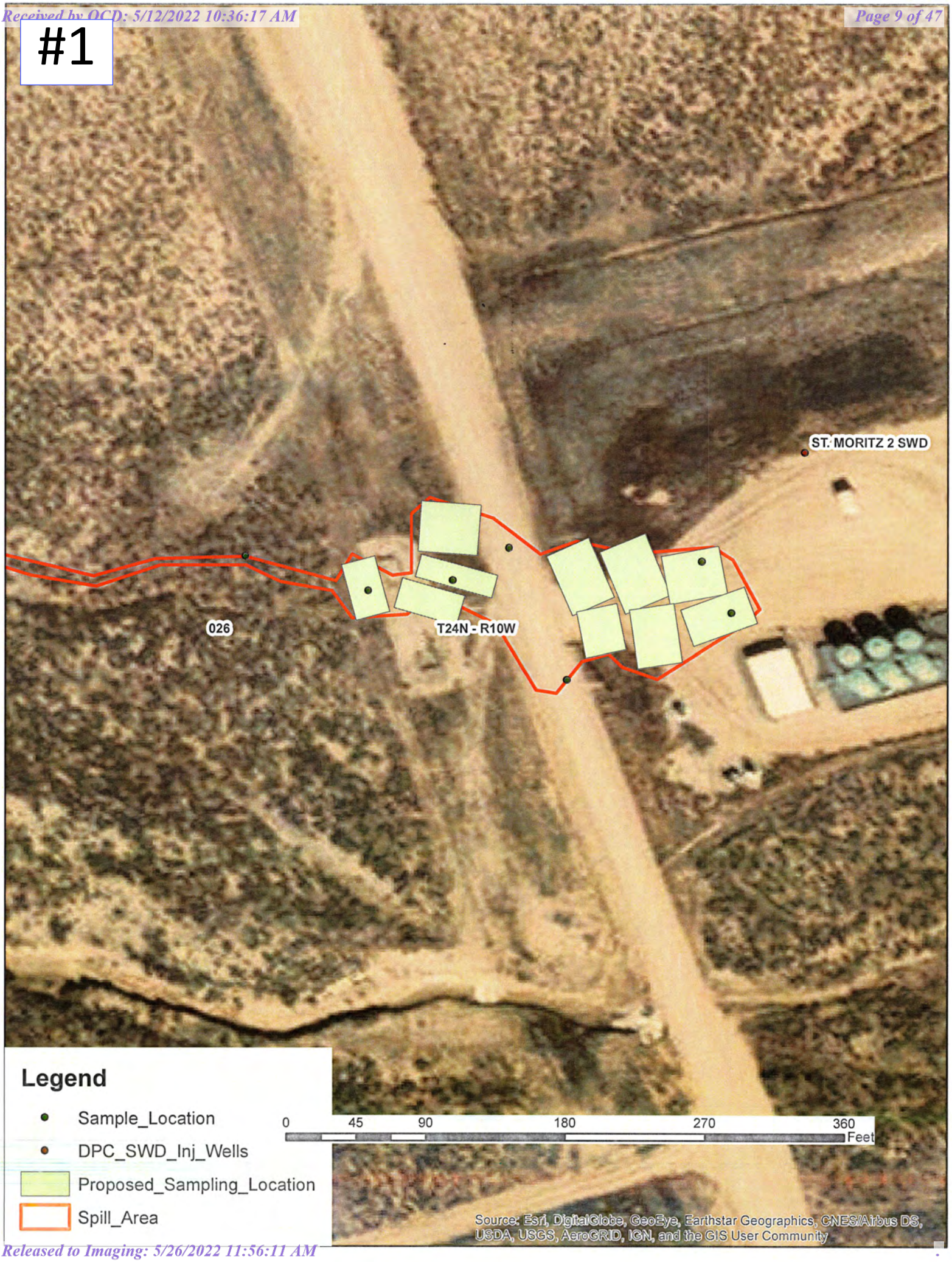
We intend to have this work completed by 6/1/2022.

Released to Imaging: 5/26/2022 11:56:11 AM
Received by OCD: 5/12/2022 10:36:17 AM

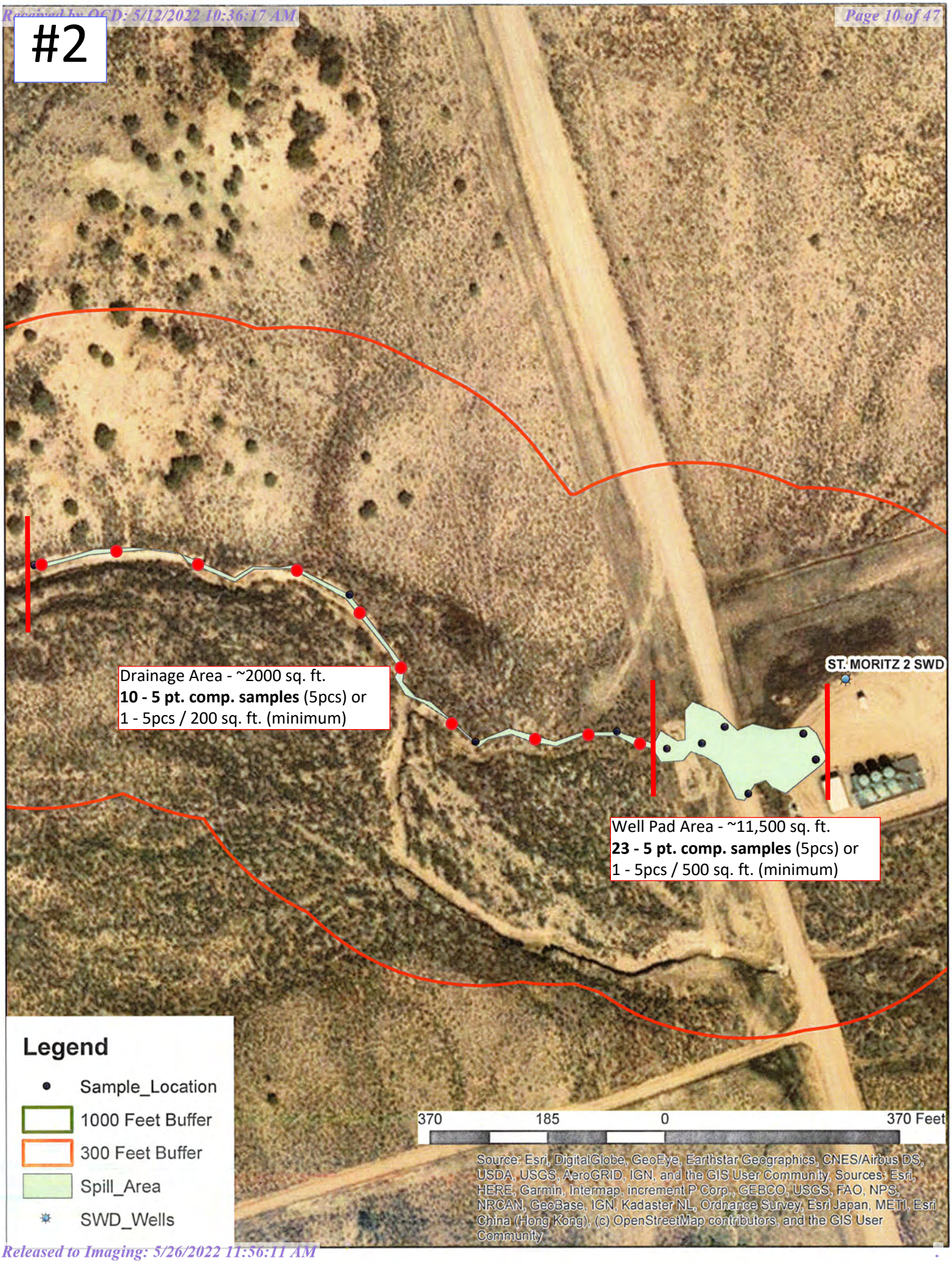
St. Moritz Excavation Log	
Location	Notes
Pad Corner 1	Removed top 2 feet of pad, no signs of contamination
Pad Corner 2	Removed top 2 feet of pad, no signs of contamination
Pad Corner 3	Removed top 2 feet of pad, no signs of contamination
Pad Corner 4	Removed top 2 feet of pad, no signs of contamination
Pig Launcher 1	signs of crusting on surface, no signs of contamination after removal
Pig Launcher 2	signs of crusting on surface, no signs of contamination after removal
Drainage 1	Removed top 2 inches, signs of heavy staining on surface, no contamination below 2"
Drainage 2	Removed top 2 inches, signs of heavy staining on surface, no contamination below 2"
Drainage 3	Removed top 2 inches, signs of heavy staining on surface, no contamination below 2"
Drainage 4	Removed top 2 inches, signs of heavy staining on surface, no contamination below 2"

on the pad 2' of surface was removed and hauled ot land farm
contaminated soils were removed and hauled from the pig launcher and drainage

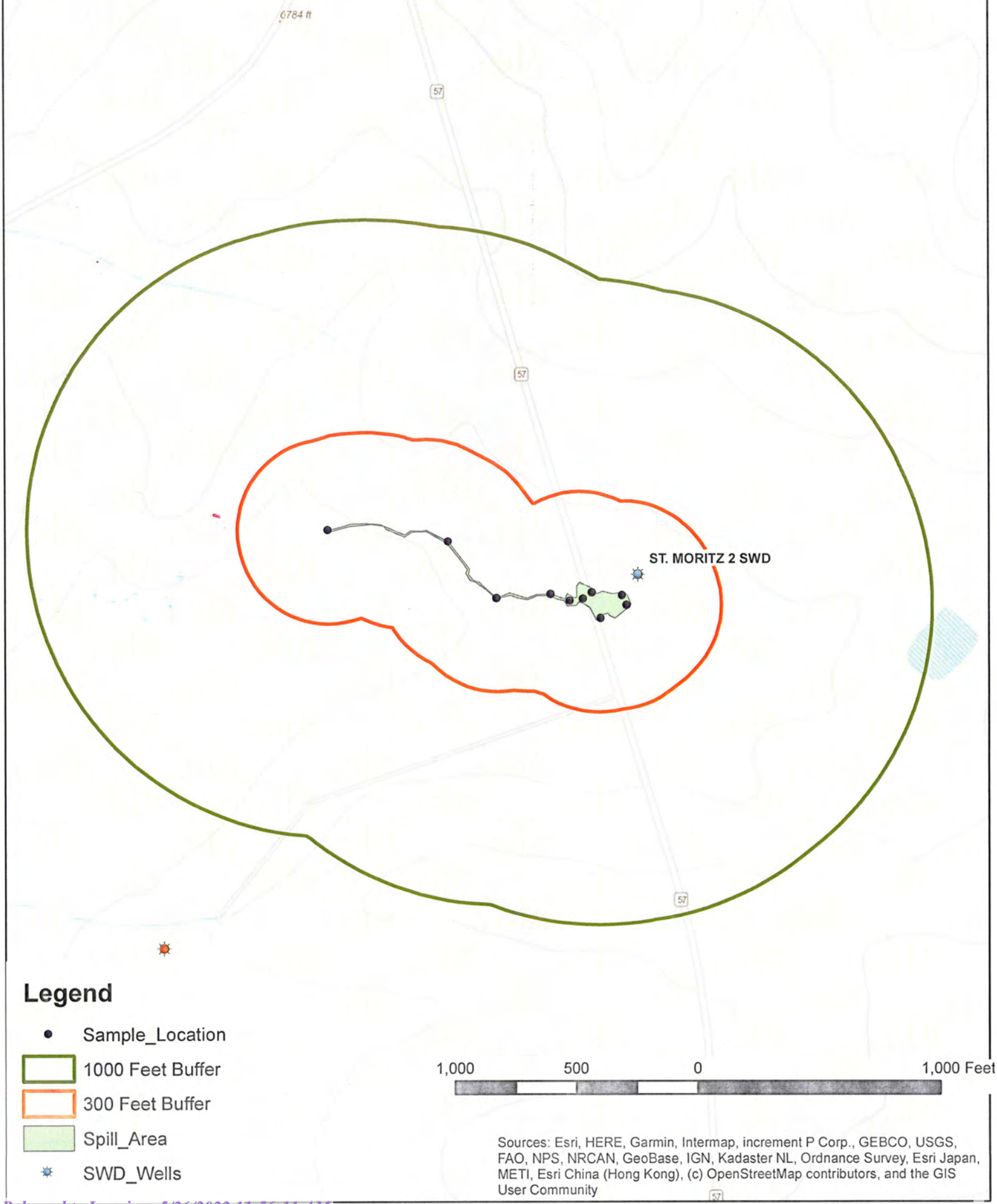
#1


ST. MORITZ 2 SWD
026
T24N - R10W
Legend
Sample_Location
DPC_SWD_Inj_Wells
Proposed_Sampling_Location
Spill_Area
0
45
90
180
270
360
Feet
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

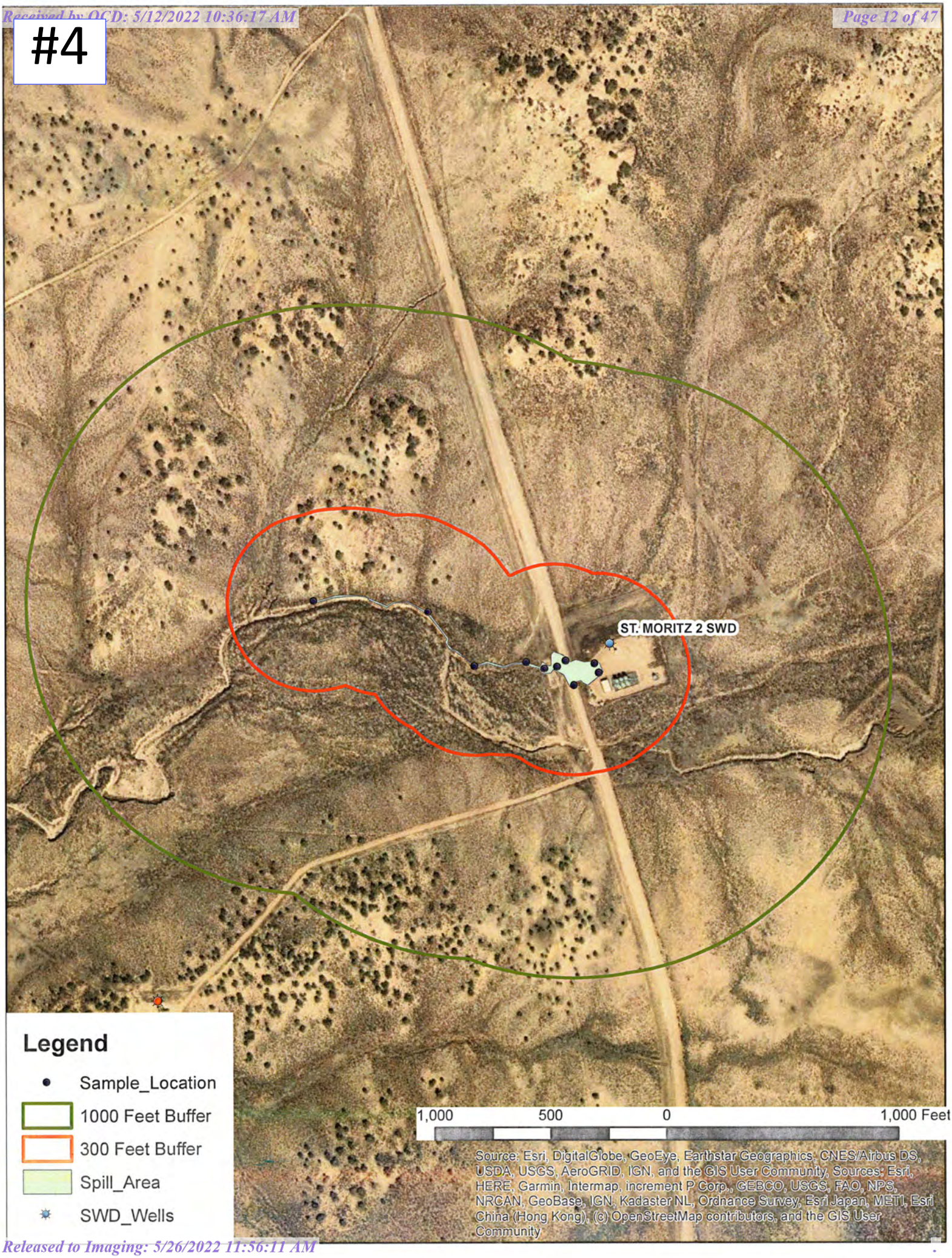
#2


Drainage Area - ~2000 sq. ft.
10 - 5 pt. comp. samples (5pcs) or
1 - 5pcs / 200 sq. ft. (minimum)
ST. MORITZ 2 SWD
Well Pad Area - ~11,500 sq. ft.
23 - 5 pt. comp. samples (5pcs) or
1 - 5pcs / 500 sq. ft. (minimum)
Legend
Sample_Location
1000 Feet Buffer
300 Feet Buffer
Spill_Area
SWD_Wells
370
185
0
370 Feet
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

#3


6784 ft
57
ST. MORITZ 2 SWD
Legend
Sample_Location
1000 Feet Buffer
300 Feet Buffer
Spill_Area
SWD_Wells
1,000
500
0
1,000 Feet
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

#4


ST. MORITZ 2 SWD
Legend
Sample_Location
1000 Feet Buffer
300 Feet Buffer
Spill_Area
SWD_Wells
1,000
500
0
1,000 Feet
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community. Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Released to Imaging: 5/26/2022 11:56:11 AM

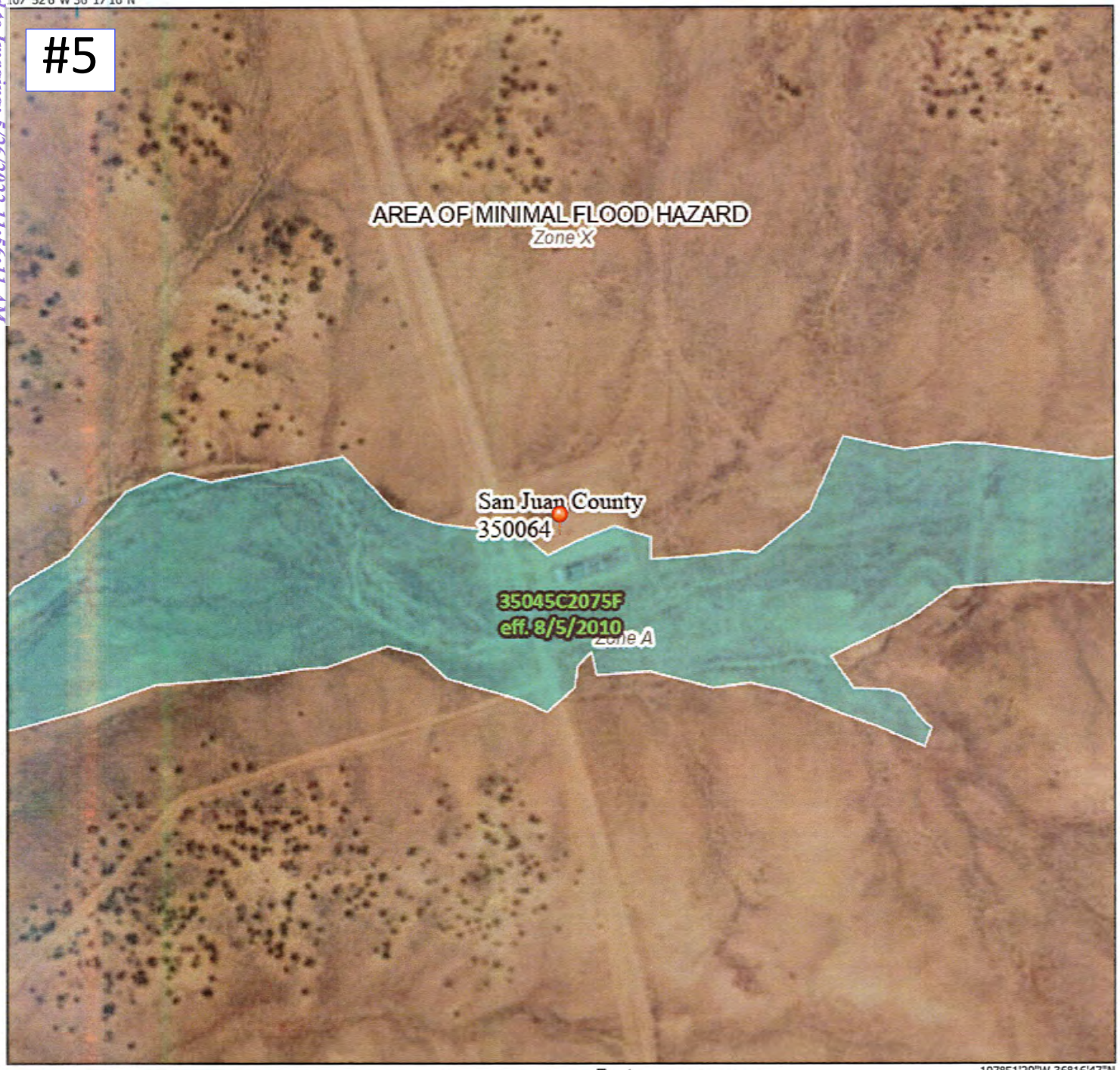
Received by OCD: 5/12/2022 10:36:17 AM

National Flood Hazard Layer FIRMette

FEMA

107°52'6"W 36°17'16"N

#5



107°51'29"W 36°16'47"N

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

1:6,000

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE,
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, of 1% annual chance flood with ave depth less than one foot or with dra areas of less than one square mile
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

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

N

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

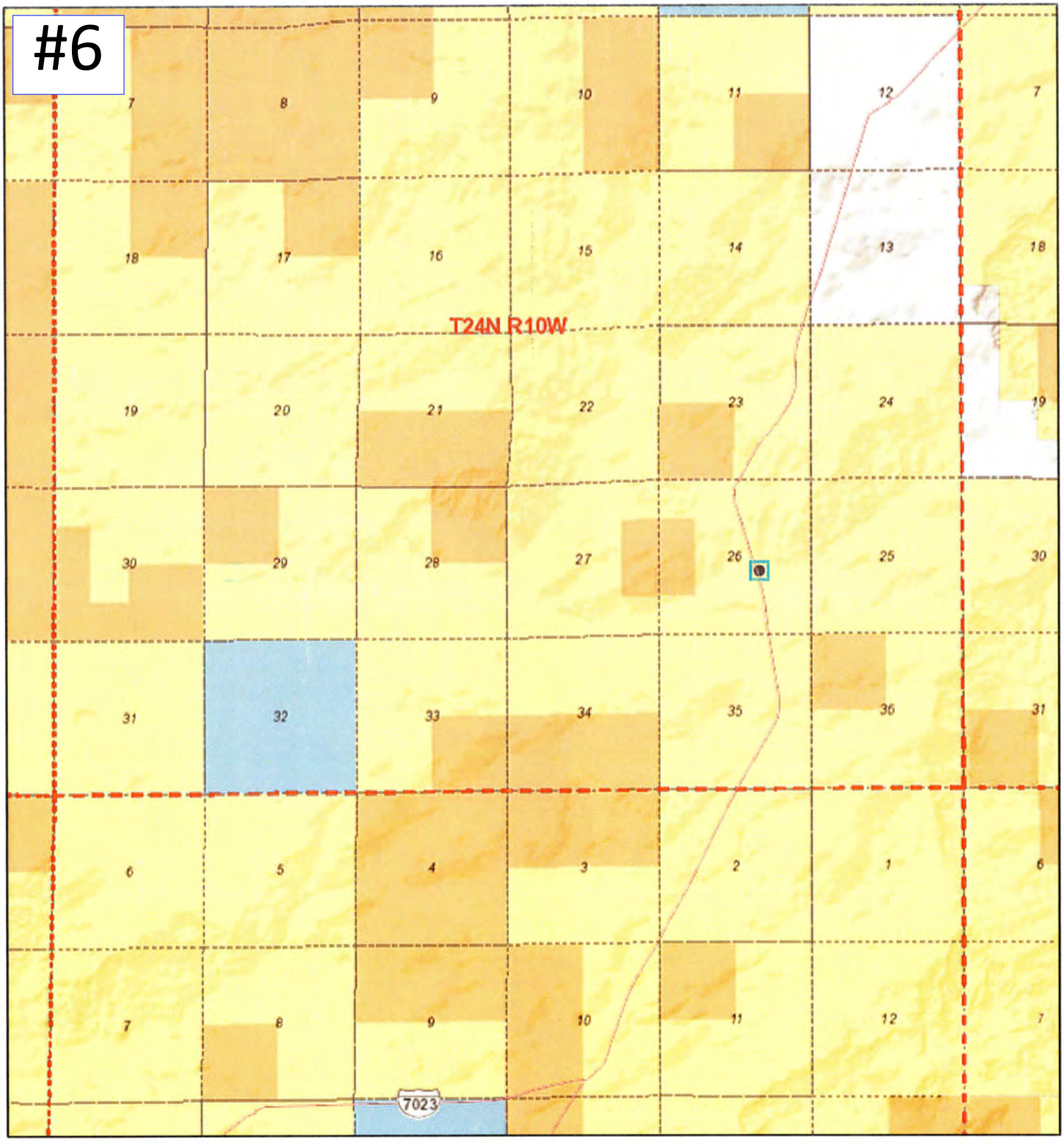
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/17/2022 at 6:04 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Active Mines in New Mexico

#6



3/17/2022, 4:06:47 PM

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

Township / Range

Sections

Land Ownership

Bureau of Land Management

Bureau of Reclamation

Department of Agriculture

Department of Defense

Department of Energy

National Park Service

Private Land

State Game and Fish

State Land

State Parks

Tribal

U.S. Bureau of Land Management - New Mexico State Office, Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

EMNRD MMD GIS Coordinator

NM Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)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°,T
±12 NE69
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:45:51


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ft
±212ft 6748
°,T
±12 SW252
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23-Mar-22 13:45:46


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ft
±11ft
6748
°,T
±13
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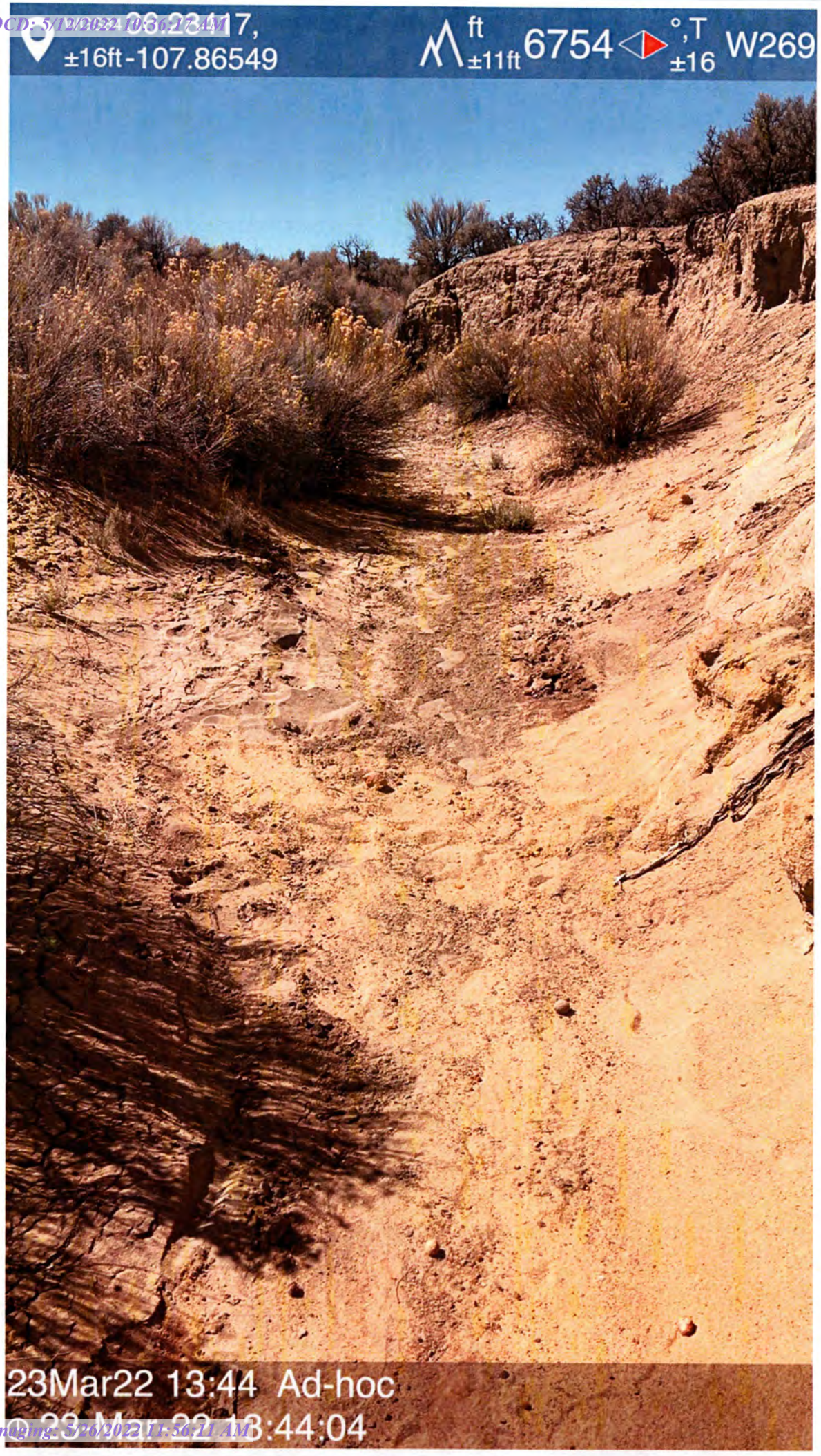
23 Mar 22 13:44:28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ft
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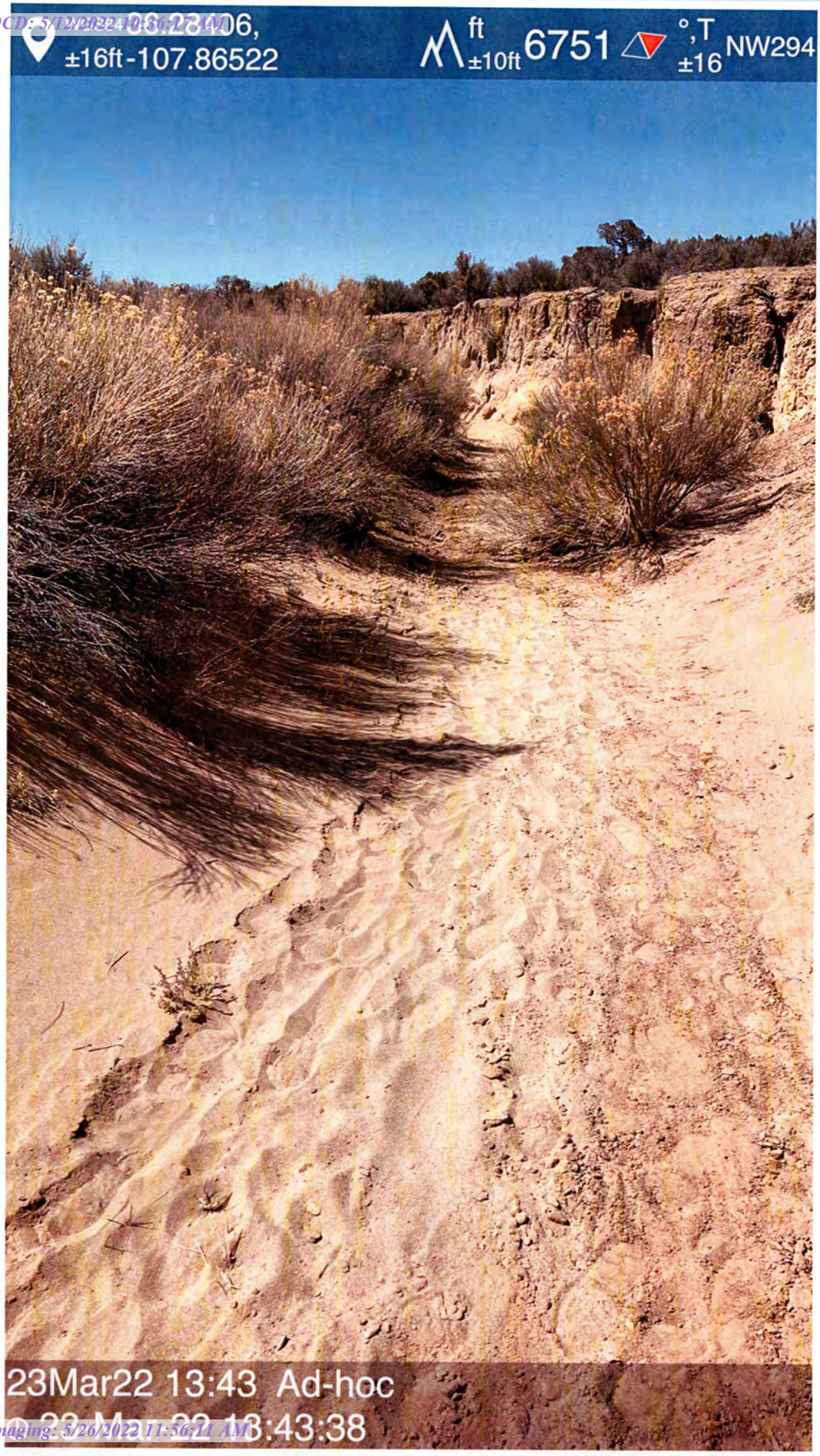
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±16 NW325
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Bloomfield NM 87413, United States
23-Mar-22 13:43:09


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ft
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NM-57, Bloomfield NM 87413, US 23-Mar-22 12:59:16

Received by OCD: 5/12/2022 10:36:17 AM

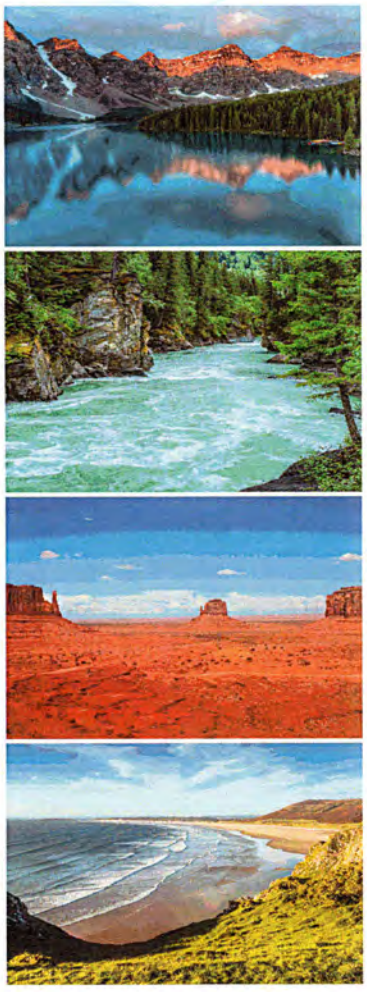
Released to Imaging: 5/26/2022 11:56:11 AM

Received by OCD: 5/12/2022 10:36:17 AM

Released to Imaging: 5/26/2022 11:56:11 AM

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: E203147

Job Number: 06094-0177

Received: 3/23/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/30/22

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: 3/30/22

Kevin Smaka
PO Box 420
Farmington, NM 87499

Project Name: St Moritz
Workorder: E203147
Date Received: 3/23/2022 3:04:00PM

Kevin Smaka,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/23/2022 3:04:00PM, 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
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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	03/30/22 14:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SM 1	E203147-01A	Soil	03/23/22	03/23/22	Glass Jar, 4 oz.
SM 2	E203147-02A	Soil	03/23/22	03/23/22	Glass Jar, 4 oz.
SM 3	E203147-03A	Soil	03/23/22	03/23/22	Glass Jar, 4 oz.
SM 4	E203147-04A	Soil	03/23/22	03/23/22	Glass Jar, 4 oz.
SM PL 1	E203147-05A	Soil	03/23/22	03/23/22	Glass Jar, 4 oz.
SM PL 2	E203147-06A	Soil	03/23/22	03/23/22	Glass Jar, 4 oz.
SM G 1	E203147-07A	Soil	03/23/22	03/23/22	Glass Jar, 4 oz.
SM G 2	E203147-08A	Soil	03/23/22	03/23/22	Glass Jar, 4 oz.
SM G 3	E203147-09A	Soil	03/23/22	03/23/22	Glass Jar, 4 oz.
SM G 4	E203147-10A	Soil	03/23/22	03/23/22	Glass Jar, 4 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	3/30/2022 2:02:42PM

SM 1

E203147-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Benzene	ND	0.0250	1	03/24/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/29/22	
Toluene	ND	0.0250	1	03/24/22	03/29/22	
o-Xylene	ND	0.0250	1	03/24/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/29/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2213039
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/24/22	
Surrogate: n-Nonane		*69.2 %*	*50-200*	*03/24/22*	*03/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2213063
Chloride	ND	20.0	1	03/25/22	03/25/22	

Sample Data

Dugan Production Corp.	Project Name:	St Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/30/2022 2:02:42PM

SM 2

E203147-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Benzene	ND	0.0250	1	03/24/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/29/22	
Toluene	ND	0.0250	1	03/24/22	03/29/22	
o-Xylene	ND	0.0250	1	03/24/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/29/22	
Surrogate: 4-Bromochlorobenzene-PID	*102 %*	*70-130*		*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*92.1 %*	*70-130*		*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2213039
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/24/22	
Surrogate: n-Nonane	*75.8 %*	*50-200*		*03/24/22*	*03/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2213063
Chloride	**22.7**	20.0	1	03/25/22	03/25/22	

Sample Data

Dugan Production Corp.	Project Name:	St Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/30/2022 2:02:42PM

SM 3

E203147-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Benzene	ND	0.0250	1	03/24/22	03/28/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/28/22	
Toluene	ND	0.0250	1	03/24/22	03/28/22	
o-Xylene	ND	0.0250	1	03/24/22	03/28/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/28/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/28/22	
Surrogate: 4-Bromochlorobenzene-PID	*97.4 %*	*70-130*		*03/24/22*	*03/28/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*96.0 %*	*70-130*		*03/24/22*	*03/28/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2213039
Diesel Range Organics (C10-C28)	**565**	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	**527**	50.0	1	03/24/22	03/26/22	
Surrogate: n-Nonane	*80.4 %*	*50-200*		*03/24/22*	*03/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2213063
Chloride	**53.4**	20.0	1	03/25/22	03/25/22	

Sample Data

Dugan Production Corp.	Project Name:	St Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/30/2022 2:02:42PM

SM 4

E203147-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Benzene	ND	0.0250	1	03/24/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/29/22	
Toluene	ND	0.0250	1	03/24/22	03/29/22	
o-Xylene	ND	0.0250	1	03/24/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/29/22	
Surrogate: 4-Bromochlorobenzene-PID	*103 %*	*70-130*		*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*91.2 %*	*70-130*		*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2213039
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/24/22	
Surrogate: n-Nonane	*76.9 %*	*50-200*		*03/24/22*	*03/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2213063
Chloride	**20.3**	20.0	1	03/25/22	03/25/22	

Sample Data

Dugan Production Corp.	Project Name:	St Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/30/2022 2:02:42PM

SM PL 1

E203147-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Benzene	ND	0.0250	1	03/24/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/29/22	
Toluene	ND	0.0250	1	03/24/22	03/29/22	
o-Xylene	ND	0.0250	1	03/24/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/29/22	
Surrogate: 4-Bromochlorobenzene-PID	*104 %*	*70-130*		*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*91.5 %*	*70-130*		*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2213039
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/24/22	
Surrogate: n-Nonane	*69.5 %*	*50-200*		*03/24/22*	*03/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2213063
Chloride	**506**	20.0	1	03/25/22	03/25/22	

Sample Data

Dugan Production Corp.	Project Name:	St Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/30/2022 2:02:42PM

SM PL 2

E203147-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Benzene	ND	0.0250	1	03/24/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/29/22	
Toluene	ND	0.0250	1	03/24/22	03/29/22	
o-Xylene	ND	0.0250	1	03/24/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/29/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2213039
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane		*73.7 %*	*50-200*	*03/24/22*	*03/25/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2213063
Chloride	**467**	20.0	1	03/25/22	03/25/22	

Sample Data

Dugan Production Corp.	Project Name:	St Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/30/2022 2:02:42PM

SM G 1

E203147-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Benzene	ND	0.0250	1	03/24/22	03/30/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/30/22	
Toluene	ND	0.0250	1	03/24/22	03/30/22	
o-Xylene	ND	0.0250	1	03/24/22	03/30/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/30/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*03/24/22*	*03/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*03/24/22*	*03/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2213039
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane		*71.6 %*	*50-200*	*03/24/22*	*03/25/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2213063
Chloride	**458**	20.0	1	03/25/22	03/25/22	

Sample Data

Dugan Production Corp.	Project Name:	St Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/30/2022 2:02:42PM

SM G 2

E203147-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Benzene	ND	0.0250	1	03/24/22	03/30/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/30/22	
Toluene	ND	0.0250	1	03/24/22	03/30/22	
o-Xylene	ND	0.0250	1	03/24/22	03/30/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/30/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*03/24/22*	*03/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*03/24/22*	*03/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2213042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
Surrogate: n-Nonane		*73.1 %*	*50-200*	*03/24/22*	*03/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2213063
Chloride	**205**	20.0	1	03/25/22	03/25/22	

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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	3/30/2022 2:02:42PM

SM G 3

E203147-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Benzene	ND	0.0250	1	03/24/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/29/22	
Toluene	ND	0.0250	1	03/24/22	03/29/22	
o-Xylene	ND	0.0250	1	03/24/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/29/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.9 %*	*70-130*	*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2213042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
Surrogate: n-Nonane		*68.7 %*	*50-200*	*03/24/22*	*03/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2213063
Chloride	**259**	20.0	1	03/25/22	03/25/22	

Sample Data

Dugan Production Corp.	Project Name:	St Moritz	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/30/2022 2:02:42PM

SM G 4

E203147-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Benzene	ND	0.0250	1	03/24/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/24/22	03/29/22	
Toluene	ND	0.0250	1	03/24/22	03/29/22	
o-Xylene	ND	0.0250	1	03/24/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/24/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/24/22	03/29/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2213047
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/22	03/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*03/24/22*	*03/29/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2213042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
Surrogate: n-Nonane		*71.9 %*	*50-200*	*03/24/22*	*03/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2213063
Chloride	ND	20.0	1	03/25/22	03/26/22	

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	3/30/2022 2:02:42PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2213047-BLK1)									Prepared: 03/24/22 Analyzed: 03/28/22
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	*7.47*		*8.00*		*93.4*	*70-130*			
LCS (2213047-BS1)									Prepared: 03/24/22 Analyzed: 03/28/22
Benzene	4.88	0.0250	5.00		97.6	70-130			
Ethylbenzene	5.06	0.0250	5.00		101	70-130			
Toluene	5.29	0.0250	5.00		106	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.46*		*8.00*		*93.3*	*70-130*			
Matrix Spike (2213047-MS1)				**Source: E203147-03**					Prepared: 03/24/22 Analyzed: 03/28/22
Benzene	5.01	0.0250	5.00	ND	100	54-133			
Ethylbenzene	5.19	0.0250	5.00	ND	104	61-133			
Toluene	5.40	0.0250	5.00	ND	108	61-130			
o-Xylene	5.12	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike Dup (2213047-MSD1)				**Source: E203147-03**					Prepared: 03/24/22 Analyzed: 03/28/22
Benzene	4.92	0.0250	5.00	ND	98.4	54-133	1.80	20	
Ethylbenzene	5.11	0.0250	5.00	ND	102	61-133	1.69	20	
Toluene	5.31	0.0250	5.00	ND	106	61-130	1.71	20	
o-Xylene	5.07	0.0250	5.00	ND	101	63-131	0.982	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	1.63	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	1.42	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.91*		*8.00*		*98.8*	*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	3/30/2022 2:02:42PM

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 (2213047-BLK1)									Prepared: 03/24/22 Analyzed: 03/28/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.2*	*70-130*			
LCS (2213047-BS2)									Prepared: 03/24/22 Analyzed: 03/28/22
Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.0*	*70-130*			
Matrix Spike (2213047-MS2)				**Source: E203147-03**					Prepared: 03/24/22 Analyzed: 03/29/22
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.7*	*70-130*			
Matrix Spike Dup (2213047-MSD2)				**Source: E203147-03**					Prepared: 03/24/22 Analyzed: 03/29/22
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130	0.213	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*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	3/30/2022 2:02:42PM

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 (2213039-BLK1)									Prepared: 03/24/22 Analyzed: 03/24/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*35.4*		*50.0*		*70.8*	*50-200*			
LCS (2213039-BS1)									Prepared: 03/24/22 Analyzed: 03/24/22
Diesel Range Organics (C10-C28)	428	25.0	500		85.6	38-132			
Surrogate: n-Nonane	*36.2*		*50.0*		*72.3*	*50-200*			
Matrix Spike (2213039-MS1)				**Source: E203149-05**					Prepared: 03/24/22 Analyzed: 03/24/22
Diesel Range Organics (C10-C28)	505	25.0	500	ND	101	38-132			
Surrogate: n-Nonane	*42.0*		*50.0*		*84.0*	*50-200*			
Matrix Spike Dup (2213039-MSD1)				**Source: E203149-05**					Prepared: 03/24/22 Analyzed: 03/24/22
Diesel Range Organics (C10-C28)	451	25.0	500	ND	90.1	38-132	11.4	20	
Surrogate: n-Nonane	*38.3*		*50.0*		*76.7*	*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	3/30/2022 2:02:42PM

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 (2213042-BLK1)									Prepared: 03/24/22 Analyzed: 03/25/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*36.9*		*50.0*		*73.8*	*50-200*			
LCS (2213042-BS1)									Prepared: 03/24/22 Analyzed: 03/25/22
Diesel Range Organics (C10-C28)	434	25.0	500		86.9	38-132			
Surrogate: n-Nonane	*35.0*		*50.0*		*70.1*	*50-200*			
Matrix Spike (2213042-MS1)				**Source: E203140-05**					Prepared: 03/24/22 Analyzed: 03/25/22
Diesel Range Organics (C10-C28)	741	25.0	500	387	70.6	38-132			
Surrogate: n-Nonane	*34.4*		*50.0*		*68.9*	*50-200*			
Matrix Spike Dup (2213042-MSD1)				**Source: E203140-05**					Prepared: 03/24/22 Analyzed: 03/25/22
Diesel Range Organics (C10-C28)	765	25.0	500	387	75.5	38-132	3.25	20	
Surrogate: n-Nonane	*34.7*		*50.0*		*69.4*	*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	3/30/2022 2:02:42PM

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 (2213063-BLK1)									Prepared: 03/25/22 Analyzed: 03/25/22
Chloride	ND	20.0							
LCS (2213063-BS1)									Prepared: 03/25/22 Analyzed: 03/25/22
Chloride	236	20.0	250		94.6	90-110			
Matrix Spike (2213063-MS1)				**Source: E203146-01**					Prepared: 03/25/22 Analyzed: 03/25/22
Chloride	379	20.0	250	127	101	80-120			
Matrix Spike Dup (2213063-MSD1)				**Source: E203146-01**					Prepared: 03/25/22 Analyzed: 03/25/22
Chloride	392	20.0	250	127	106	80-120	3.23	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	03/30/22 14:02

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.

Released to Imaging: 5/26/2022 11:56:11 AM
Received by OCD: 5/12/2022 10:36:17 AM

Project Information

Chain of Custody

Page 1 of 1

Client:	Dugan
Project:	St. Moritz
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# E203147 Job Number 06094-0177

TAT: 1D | 2D | 3D X | Standard

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0

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
1:30	3-23	S	1	SM 1	1	X	X	X			X	
				SM 2	2							
				SM 3	3							
				SM 4	4							
				SM PL 1	5							
				SM PL 2	6							
				SM G 1	7							
				SM G 2	8							
				SM G 3	9							
				SM G 4	10							

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. 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	3-23	3:05	Cartha Clinton	3/23/22	15:04
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.

envirotech

Envirotech Analytical Laboratory

Printed: 3/23/2022 3:32:47PM

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:	03/23/22 15:04	Work Order ID:	E203147
Phone:	(505) 325-1821	Date Logged In:	03/23/22 15:07	Logged In By:	Caitlin Christian
Email:	kevin.smaka@duganproduction.com	Due Date:	03/28/22 17:00 (3 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

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

envirotech Inc.

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

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

COMMENTS

Action 106335

COMMENTS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 106335
	Action Type: [C-141] Release Corrective Action (C-141)

COMMENTS

Created By	Comment	Comment Date
nvelez	Remediation Plan approved with conditions on 05/26/2022.	5/26/2022

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

Operator:	OGRID:
DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	6515
	Action Number: 106335
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	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.	5/26/2022