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	NCS1934449094
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
Contact email kevin.smaka@duganproduction.com	Incident # *(assigned by OCD)* NCS1934449094
Contact mailing address PO Box 420, Farmington, NM 87499	

Location of Release Source

Latitude 36.1151924 Longitude -107.6547012
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Dorsey Com #90	Site Type Gas well location
Date Release Discovered 10/10/19	API# *(if applicable)* 30-045-33861

Unit Letter	Section	Township	Range	County
C	26	22N	8W	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) 20	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Stuffing box began leaking due to normal wear and tear on equipment

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

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

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

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

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

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

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

Form C-141
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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

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Page 6

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: Date: 6-16-20

email: kevin.smaka@duganproduction Telephone: 505-325-1821

OCD Only

Received by: 6/16/2020 OCD Date:

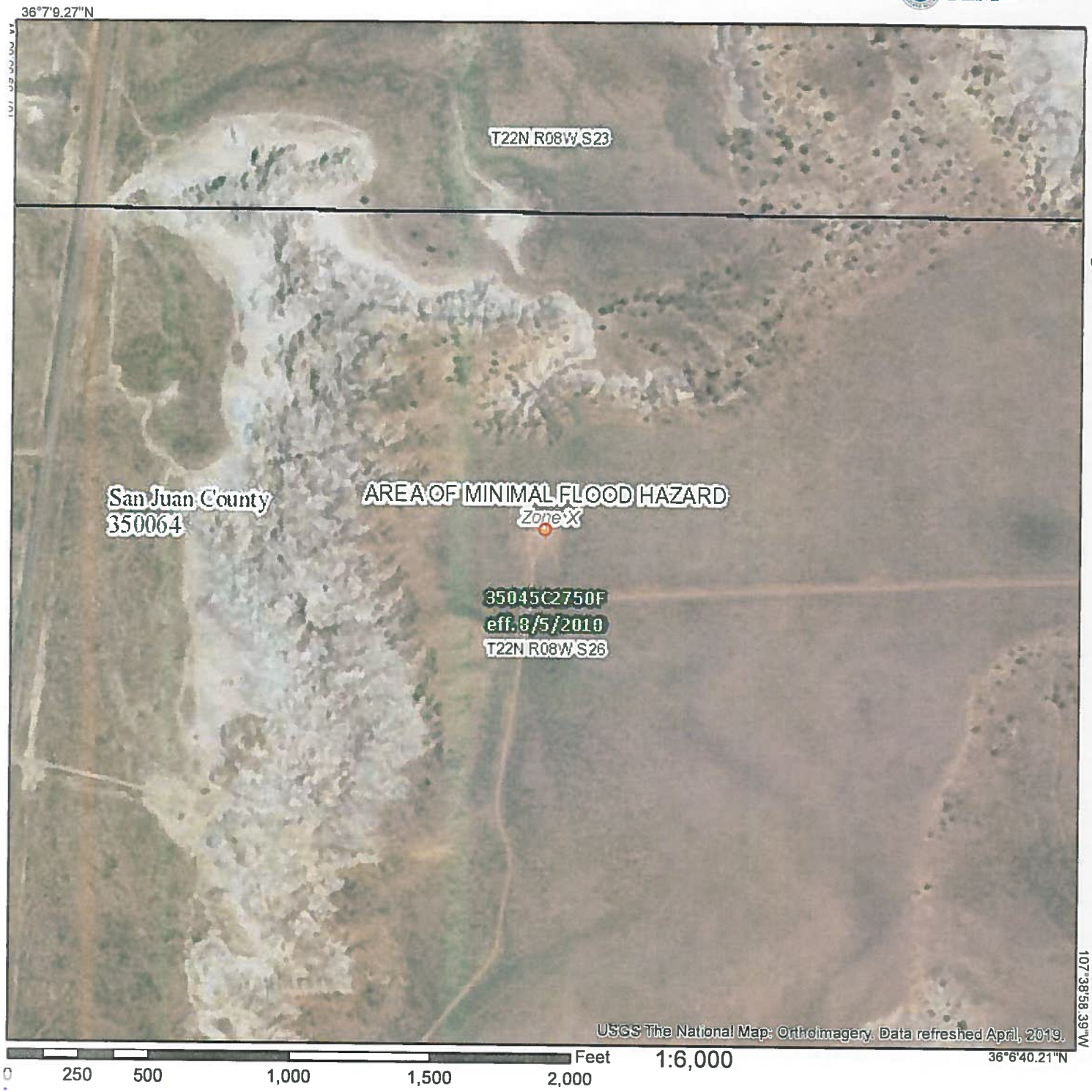
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance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

Closure Approved by: Date: 10/28/2020

Printed Name: Cory Smith Title: Environmental Specialist

National Flood Hazard Layer FIRMette

FEMA



Legend

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

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

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

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

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

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

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

N

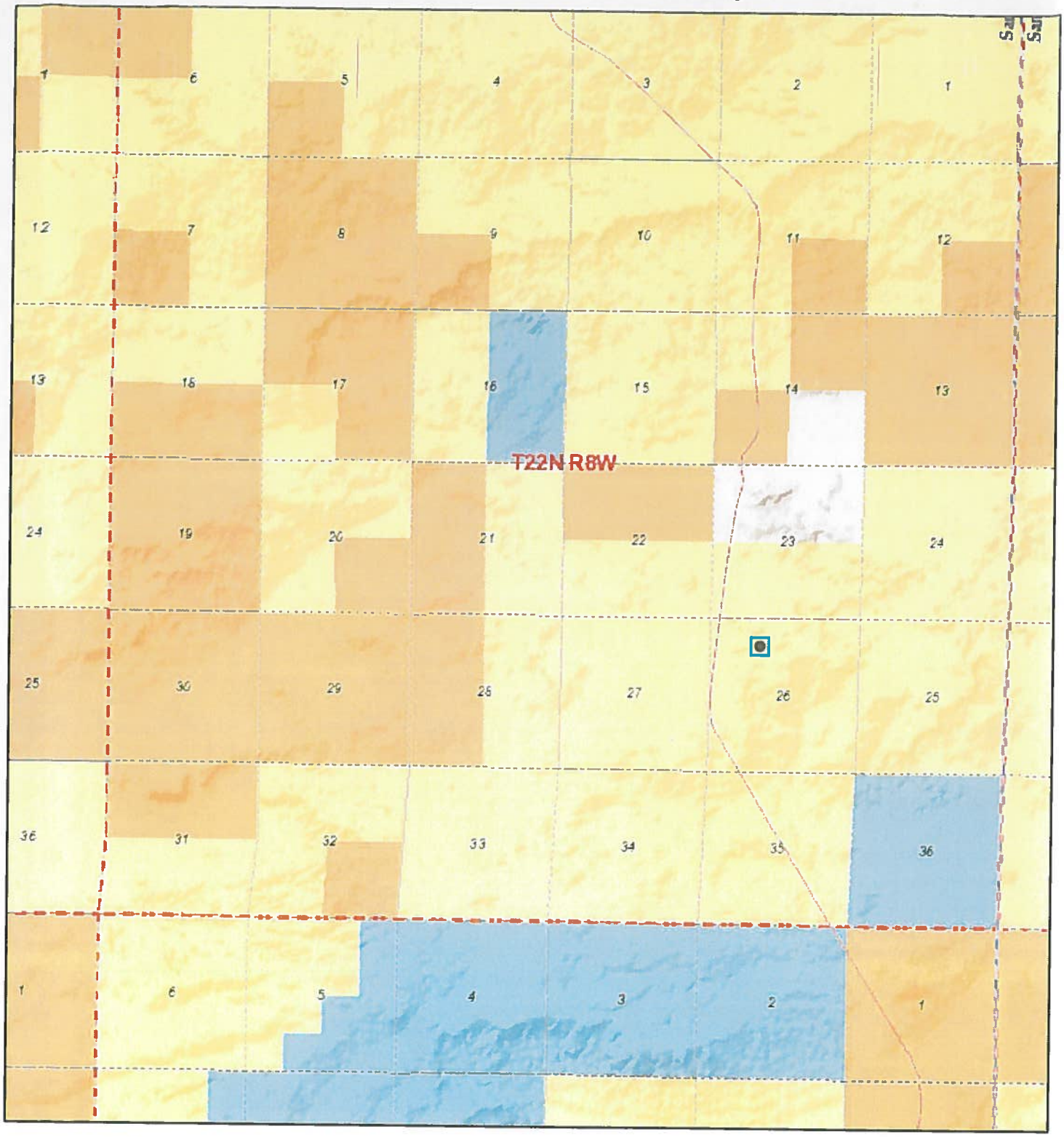
The pin displayed on the map is an approximate point selected by the user and does not represe an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/22/2020 at 3:47:52 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 map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Dorsey #90 Mine Proximity



5/22/2020, 1:43:32 PM

1:72,224

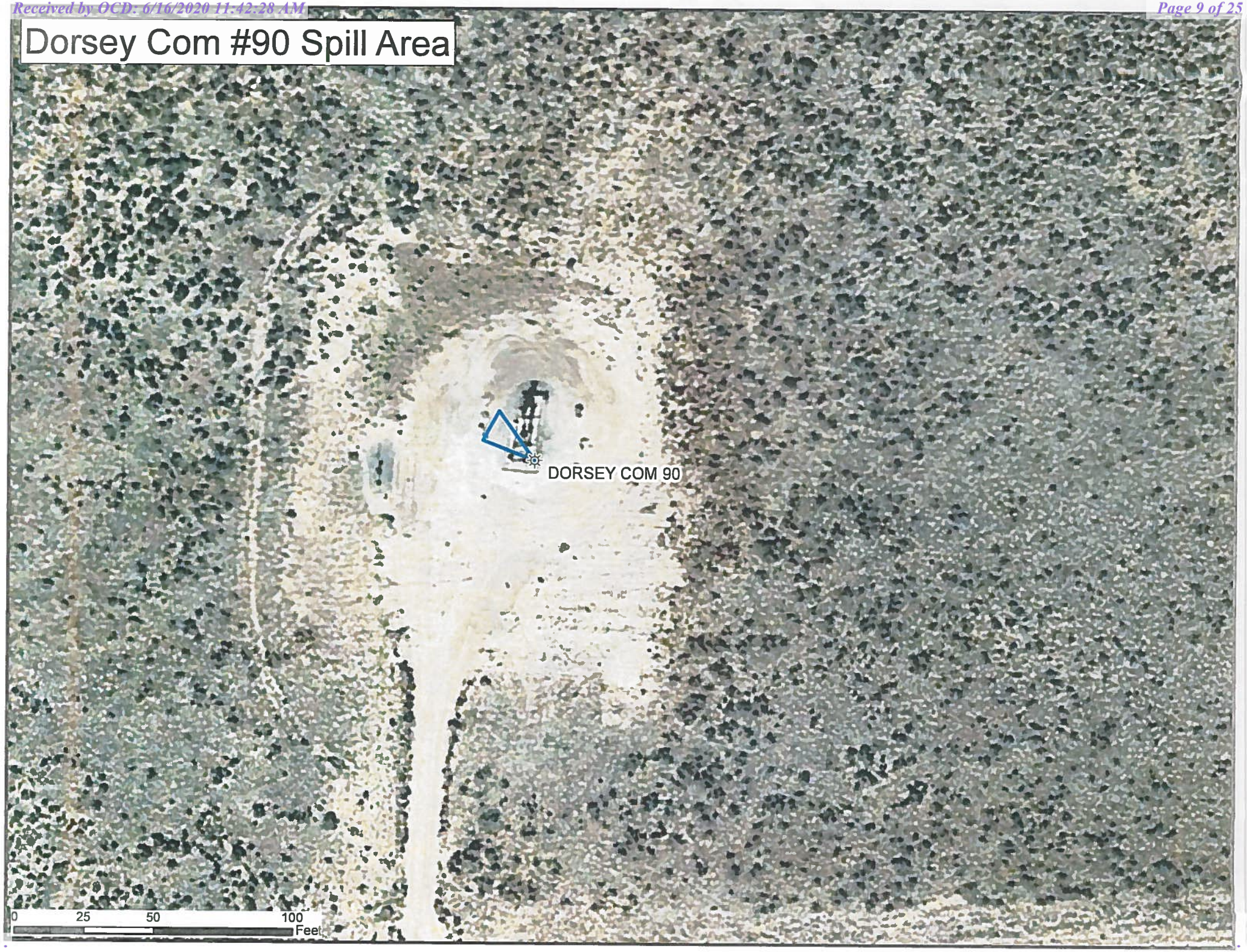
0 0.5 1 2 mi

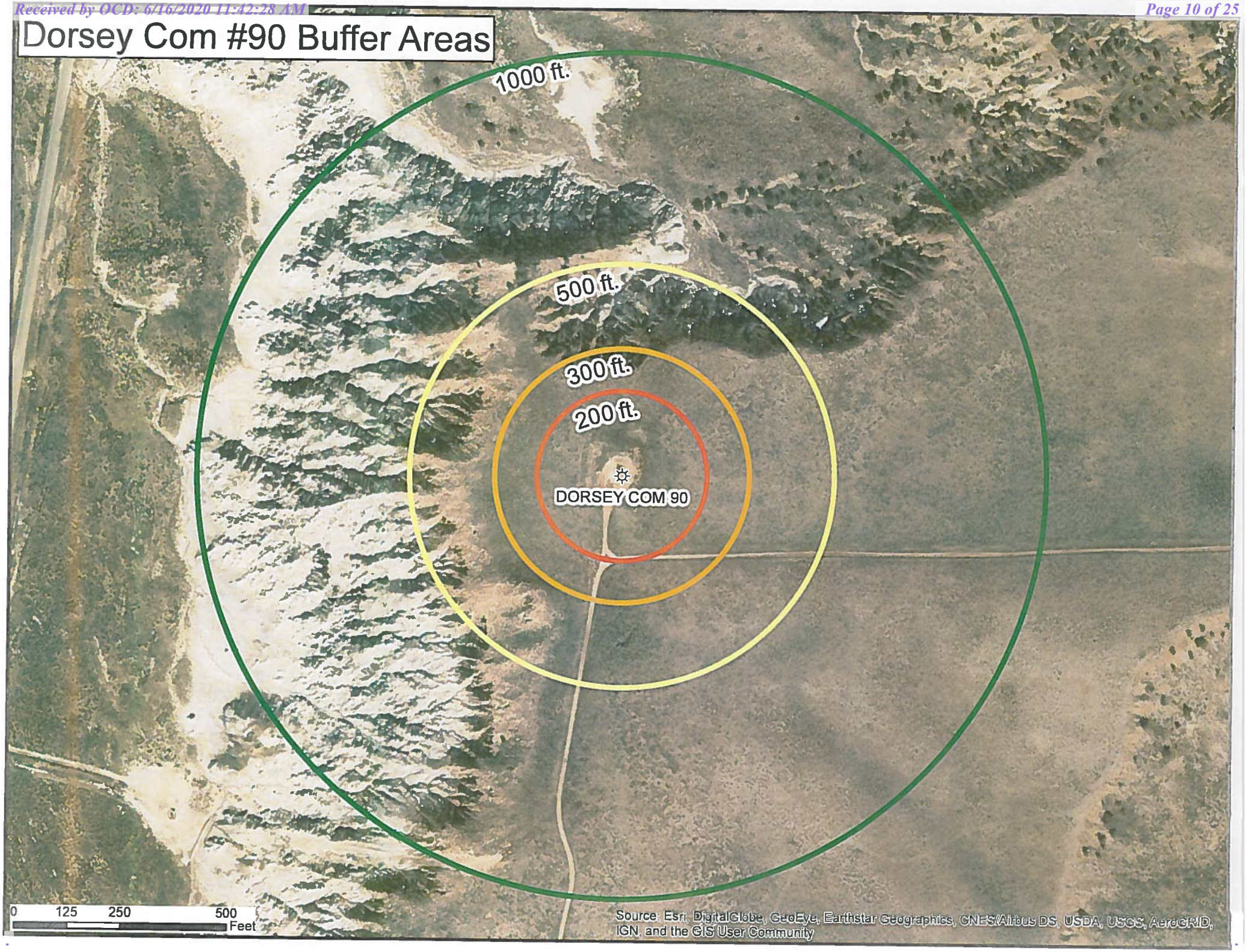
0 0.75 1.5 3 km

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)


Dorsey Com #90 Spill Area
DORSEY COM 90
0
25
50
100
Feet


Dorsey Com #90 Buffer Areas
1000 ft.
500 ft.
300 ft.
200 ft.
DORSEY COM 90
0 125 250 500
Feet
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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 Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
SJ 00948 EXPL		SJ	SJ	2	3	1	23	22N	08W	260863	4001404*	350	220	130
SJ 00949		SJ	SJ	1	4	4	14	22N	08W	261902	4002183*	2221		
SJ 00949 -S		SJ	SJ	1	3	2	01	22N	08W	263242	4006176*	2647	1106	1541
SJ 00949 EXPL		SJ	SJ	1	4	4	14	22N	08W	261902	4002183*	2245	790	1455
SJ 04335 POD1		SJ	SJ	1	4	4	14	22N	08W	261931	4002137	2230		
SJ 04379 POD1		SJ	SJ	2	3	1	01	22N	08W	263242	4006175	2647		

Average Depth to Water: **705 feet**

Minimum Depth: **220 feet**

Maximum Depth: **1106 feet**

Record Count: 6

Basin/County Search:

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

PLSS Search:

Section(s): 1-36 **Township:** 22N **Range:** 08W

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

Tyra Feil

From: Kevin Smaka
Sent: Monday, April 20, 2020 3:26 PM
To: aadeloye@blm.gov; Smith, Cory, EMNRD; Johnson, David
Subject: Notification of sampling

Dugan plans to sample soils as part of remediation at the following well sites;

Com #91, API# 30-045-29935, State Lease.
Dorsey #90, API# 30-045-33861, Federal Lease.

Dugan will conduct sampling activities this Friday, 4/24/2020 @ 10:00 AM. We will start at the Com #91.

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

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Dugan Production Corp.

Samples Received: 4/24/2020
Job Number: 06094-0177
Work Order: P004141
Project Name/Location: Dorsey & Com 91

Report Reviewed By: Walter Hinchman Date: 4/28/20

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

5796 Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
24 Hour Emergency Response Phone (800) 362-1879
envirotech-inc.com
Labadmin@envirotech-inc.com

envirotech
Analytical Laboratory

Dugan Production Corp.	Project Name:	Dorsey & Com 91	
PO Box 420	Project Number:	06094-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	04/28/20 08:29

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Com 91 1	P004141-01A	Soil	04/24/20	04/24/20	Glass Jar, 4 oz.
Com 91 2	P004141-02A	Soil	04/24/20	04/24/20	Glass Jar, 4 oz.
Com 91 3	P004141-03A	Soil	04/24/20	04/24/20	Glass Jar, 4 oz.
Dorsey 90 1	P004141-04A	Soil	04/24/20	04/24/20	Glass Jar, 4 oz.
Dorsey 90 2	P004141-05A	Soil	04/24/20	04/24/20	Glass Jar, 4 oz.

envirotech
Analytical Laboratory

Dugan Production Corp.	Project Name:	Dorsey & Com 91	
PO Box 420	Project Number:	06094-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	04/28/20 08:29

Com 91 1
P004141-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*50-150*		*2017055*	*04/25/20*	*04/25/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2017054	04/25/20	04/26/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2017054	04/25/20	04/26/20	EPA 8015D	
Surrogate: n-Nonane		*73.6 %*	*50-200*		*2017054*	*04/25/20*	*04/26/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.8 %*	*50-150*		*2017055*	*04/25/20*	*04/25/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**302**	20.0	mg/kg	1	2017049	04/25/20	04/25/20	EPA 300.0/9056A	

envirotech
Analytical Laboratory

Dugan Production Corp.	Project Name:	Dorsey & Com 91	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	04/28/20 08:29

Com 91 2
P004141-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2017055*	*04/25/20*	*04/25/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2017054	04/25/20	04/26/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2017054	04/25/20	04/26/20	EPA 8015D	
Surrogate: n-Nonane		*72.2 %*		*50-200*	*2017054*	*04/25/20*	*04/26/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*		*50-150*	*2017055*	*04/25/20*	*04/25/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**311**	20.0	mg/kg	1	2017049	04/25/20	04/25/20	EPA 300.0/9056A	

envirotech
Analytical Laboratory

Dugan Production Corp.	Project Name:	Dorsey & Com 91	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	04/28/20 08:29

Com 91 3
P004141-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2017055*	*04/25/20*	*04/25/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2017054	04/25/20	04/26/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2017054	04/25/20	04/26/20	EPA 8015D	
Surrogate: n-Nonane		*80.8 %*		*50-200*	*2017054*	*04/25/20*	*04/26/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*		*50-150*	*2017055*	*04/25/20*	*04/25/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**343**	20.0	mg/kg	1	2017049	04/25/20	04/25/20	EPA 300.0/9056A	

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Dugan Production Corp.	Project Name:	Dorsey & Com 91	
PO Box 420	Project Number:	06094-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	04/28/20 08:29

Dorsey 90 1
P004141-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*2017055*	*04/25/20*	*04/25/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2017054	04/25/20	04/26/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2017054	04/25/20	04/26/20	EPA 8015D	
Surrogate: n-Nonane		*74.3 %*		*50-200*	*2017054*	*04/25/20*	*04/26/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*		*50-150*	*2017055*	*04/25/20*	*04/25/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**267**	20.0	mg/kg	1	2017049	04/25/20	04/25/20	EPA 300.0/9056A	

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Dugan Production Corp.	Project Name:	Dorsey & Com 91	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	04/28/20 08:29

Dorsey 90 2
P004141-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*2017055*	*04/25/20*	*04/25/20*	*EPA 8021B*	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2017054	04/25/20	04/26/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2017054	04/25/20	04/26/20	EPA 8015D	
Surrogate: n-Nonane		*81.9 %*		*50-200*	*2017054*	*04/25/20*	*04/26/20*	*EPA 8015D*	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2017055	04/25/20	04/25/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*		*50-150*	*2017055*	*04/25/20*	*04/25/20*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	2017049	04/25/20	04/25/20	EPA 300.0/9056A	

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Dugan Production Corp.	Project Name:	Dorsey & Com 91	
PO Box 420	Project Number:	06094-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	04/28/20 08:29

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2017055 - Purge and Trap EPA 5030A										
Blank (2017055-BLK1)				Prepared & Analyzed: 04/25/20 1						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	*8.28*		"	*8.00*		*104*	*50-150*			
LCS (2017055-BS1)				Prepared & Analyzed: 04/25/20 1						
Benzene	4.39	0.0250	mg/kg	5.00		87.7	70-130			
Toluene	4.38	0.0250	"	5.00		87.5	70-130			
Ethylbenzene	4.36	0.0250	"	5.00		87.2	70-130			
p,m-Xylene	8.74	0.0500	"	10.0		87.4	70-130			
o-Xylene	4.40	0.0250	"	5.00		88.0	70-130			
Total Xylenes	13.1	0.0250	"	15.0		87.6	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.21*		"	*8.00*		*103*	*50-150*			
Matrix Spike (2017055-MS1)	**Source: P004132-01**			Prepared & Analyzed: 04/25/20 1						
Benzene	3.81	0.0250	mg/kg	5.00	ND	76.2	54.3-133			
Toluene	3.79	0.0250	"	5.00	ND	75.9	61.4-130			
Ethylbenzene	3.78	0.0250	"	5.00	ND	75.6	61.4-133			
p,m-Xylene	7.57	0.0500	"	10.0	ND	75.7	63.3-131			
o-Xylene	3.82	0.0250	"	5.00	ND	76.5	63.3-131			
Total Xylenes	11.4	0.0250	"	15.0	ND	76.0	0-200			
Surrogate: 4-Bromochlorobenzene-PID	*8.46*		"	*8.00*		*106*	*50-150*			
Matrix Spike Dup (2017055-MSD1)	**Source: P004132-01**			Prepared & Analyzed: 04/25/20 1						
Benzene	4.48	0.0250	mg/kg	5.00	ND	89.6	54.3-133	16.1	20	
Toluene	4.45	0.0250	"	5.00	ND	89.1	61.4-130	16.0	20	
Ethylbenzene	4.44	0.0250	"	5.00	ND	88.9	61.4-133	16.2	20	
p,m-Xylene	8.91	0.0500	"	10.0	ND	89.1	63.3-131	16.2	20	
o-Xylene	4.50	0.0250	"	5.00	ND	90.0	63.3-131	16.3	20	
Total Xylenes	13.4	0.0250	"	15.0	ND	89.4	0-200	16.2	200	
Surrogate: 4-Bromochlorobenzene-PID	*8.49*		"	*8.00*		*106*	*50-150*			

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Dugan Production Corp.	Project Name:	Dorsey & Com 91	
PO Box 420	Project Number:	06094-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	04/28/20 08:29

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2017054 - DRO Extraction EPA 3570										
Blank (2017054-BLK1)				Prepared: 04/25/20 0 Analyzed: 04/25/20 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*55.0*		"	*50.0*		*110*	*50-200*			
LCS (2017054-BS1)				Prepared: 04/25/20 0 Analyzed: 04/25/20 1						
Diesel Range Organics (C10-C28)	471	25.0	mg/kg	500		94.2	38-132			
Surrogate: n-Nonane	*49.6*		"	*50.0*		*99.1*	*50-200*			
Matrix Spike (2017054-MS1)	**Source: P004138-01**			Prepared: 04/25/20 0 Analyzed: 04/25/20 2						
Diesel Range Organics (C10-C28)	509	25.0	mg/kg	500	ND	102	38-132			
Surrogate: n-Nonane	*49.9*		"	*50.0*		*99.9*	*50-200*			
Matrix Spike Dup (2017054-MSD1)	**Source: P004138-01**			Prepared: 04/25/20 0 Analyzed: 04/25/20 2						
Diesel Range Organics (C10-C28)	521	25.0	mg/kg	500	ND	104	38-132	2.15	20	
Surrogate: n-Nonane	*50.1*		"	*50.0*		*100*	*50-200*			

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Dugan Production Corp.	Project Name:	Dorsey & Com 91	
PO Box 420	Project Number:	06094-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	04/28/20 08:29

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2017055 - Purge and Trap EPA 5030A										
Blank (2017055-BLK1)				Prepared & Analyzed: 04/25/20 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		"	*8.00*		*93.6*	*50-150*			
LCS (2017055-BS2)				Prepared & Analyzed: 04/25/20 1						
Gasoline Range Organics (C6-C10)	47.2	20.0	mg/kg	50.0		94.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		"	*8.00*		*93.7*	*50-150*			
Matrix Spike (2017055-MS2)		**Source: P004132-01**		Prepared & Analyzed: 04/25/20 1						
Gasoline Range Organics (C6-C10)	41.8	20.0	mg/kg	50.0	ND	83.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		"	*8.00*		*94.3*	*50-150*			
Matrix Spike Dup (2017055-MSD2)		**Source: P004132-01**		Prepared & Analyzed: 04/25/20 1						
Gasoline Range Organics (C6-C10)	46.3	20.0	mg/kg	50.0	ND	92.7	70-130	10.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		"	*8.00*		*92.7*	*50-150*			

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Dugan Production Corp.	Project Name:	Dorsey & Com 91	
PO Box 420	Project Number:	06094-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	04/28/20 08:29

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2017049 - Anion Extraction EPA 300.0/9056A										
Blank (2017049-BLK1)				Prepared & Analyzed: 04/25/20 1						
Chloride	ND	20.0	mg/kg							
LCS (2017049-BS1)				Prepared & Analyzed: 04/25/20 1						
Chloride	255	20.0	mg/kg	250		102	90-110			
Matrix Spike (2017049-MS1)		Source: P004138-01		Prepared & Analyzed: 04/25/20 1						
Chloride	2240	100	mg/kg	250	1870	147	80-120			M2
Matrix Spike Dup (2017049-MSD1)		Source: P004138-01		Prepared & Analyzed: 04/25/20 1						
Chloride	2230	100	mg/kg	250	1870	143	80-120	0.452	20	M2

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 my differ slightly.

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Dugan Production Corp.	Project Name:	Dorsey & Com 91	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	04/28/20 08:29

Notes and Definitions

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 1 of 1

Client:	Dugan
Project:	Dorsey & Com 91
Project Manager:	Kevin Smaka
Address:	709 E. Murray Dr
City, State, Zip	Farmington, NM 87401
Phone:	505-486-0801
Email:	Kevin_Smaka@Dugenproduction.com
Report due by:	4-30-20

Bill To

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

Lab Use Only

Lab WO#	Job Number	TAT 1D	TAT 3D	EPA Program RCRA	CWA	SDWA
P004141	06094-0177		X			

State: NM X; CO; UT; AZ; TX; OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
10:05	4/24	S	8	Com 91 1	1	X	X	X			X	
"	"	"	1	Com 91 2	2	X	X	X			X	
"	"	"	1	Com 91 3	3	X	X	X			X	
12:00	4/24	S	1	Dorsey 90 1	4	X	X	X			X	
12:02	4/24	S	1	Dorsey 90 2	5	X	X	X			X	

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
[signature]	4-24	1:37	Raura Lopez	4/24/20	13:37
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 Analytical Laboratory

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