

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) NAPP2134858003
Contact mailing address PO Box 420, Farmington, NM 87499	

Location of Release Source

Latitude 36.3236961 Longitude -107.906517
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Juniper 9 #14	Site Type Gas Well
Date Release Discovered 12/14/21	API# (if applicable) 30-045-30636

Unit Letter	Section	Township	Range	County
M	9	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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 20	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Pipeline leak

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State of New Mexico
Oil Conservation Division

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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)?

NOR submitted in OCD Permitting 12/14/21

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.

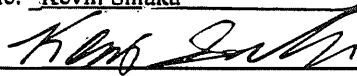
If all the actions described above have not been undertaken, explain why:

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: Kevin Smaka

Title: Regulatory Engineer

Signature: 

Date: December 16, 2021

email: Kevin.Smaka@duganproduction.com

Telephone: 505-325-1821 x1049

OCD Only

Received by: Ramona Marcus

Date: 12/20/2021

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

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

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

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

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

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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: _____

Title: _____

Signature: _____

Date: _____

email: _____

Telephone: _____

OCD Only

Received by: _____

Date: _____

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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: _____ 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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Closure

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

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

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

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

Printed Name: Kevin SmakaTitle: Regulatory EngineerSignature: Date: February 22, 2022email: Kevin.Smaka@duganproduction.comTelephone: 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 VelezDate: 03/09/2022Printed Name: Nelson VelezTitle: Environmental Specialist – Adv

Juniper 9 #14

Spill Closure Report

30-045-30636

M-09-24N-10W

1075 FSL 975 FWL

NAPP2134858003

On December 14th, 2021 a produced water spill was discovered at the Juniper 9 #14 gas well. The source was discovered to be a corroded valve. The appropriate valve were immediately shut off to eliminate the source. Immediately a crew was dispatched to begin berm construction to prevent additional contamination. In total an area roughly 20'x50' was contaminated. A fence was constructed as well to prevent animals from reaching the soils.

Dugan personnel were instructed to observe the site and check for white crust formation. No significant signs of crust formation occurred. Sampling was scheduled with BLM and OCD.

Sampling occurred on 1/14/22. 7 samples were collected, each representing an area of roughly 200 square feet. Two additional samples were collected from the bar ditch since all runoff from the spill was collected in the bar ditch. Sampling indicated that contamination was still present but within the allowable limits of Table 1 found in the spill rule.

Based on distance to groundwater, watercourses, wells, mines and floodplains the standards for closure in this case are found in table 1 of the spill rule under the >100 feet to groundwater:

>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

*Or other test methods approved by the division.

Maps and other documentation to support this position has been included as part of the closure package.



Depth to Groundwater:

Dugan has searched record for nearby water well data and found the average depth to groundwater within a 5 mile area is nearly 700 feet. As such we are basing closure on the >100 feet to groundwater section of Table 1.

Sampling Diagrams:

Dugan collected 7 samples in total. 2 were collected from the bar ditch that collected spilled fluids and 5 were collected from the wet/stained soils above the bar ditch. Each sample was collected starting at the northern most zone of the spill and each subsequent sample was collected slightly further south until all samples were collected.

Diagram 1 (Represent Zones 1-5)

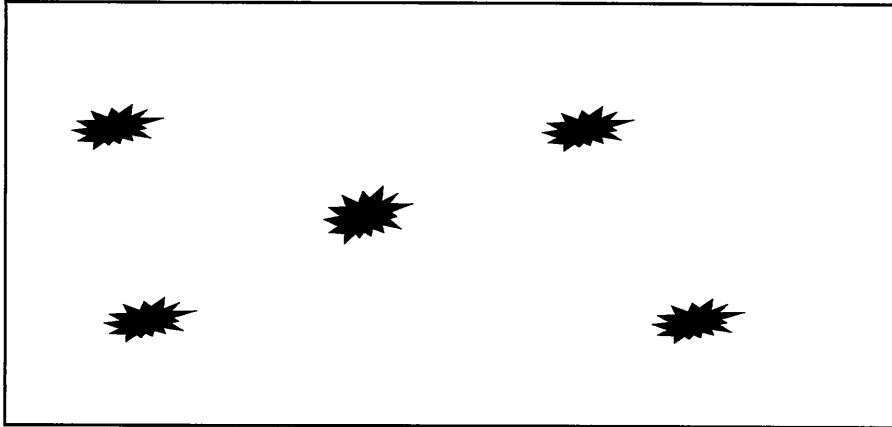
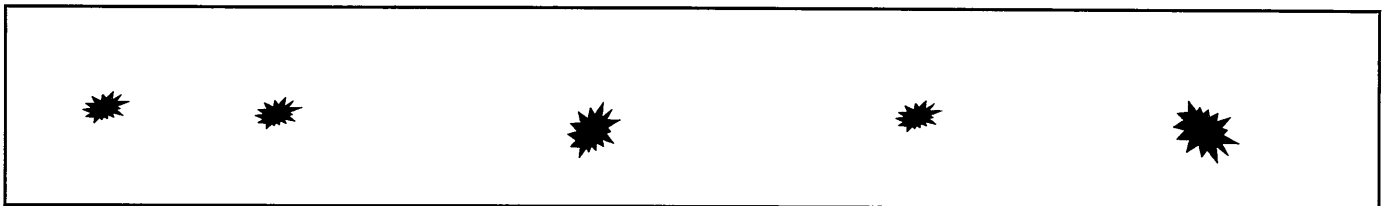
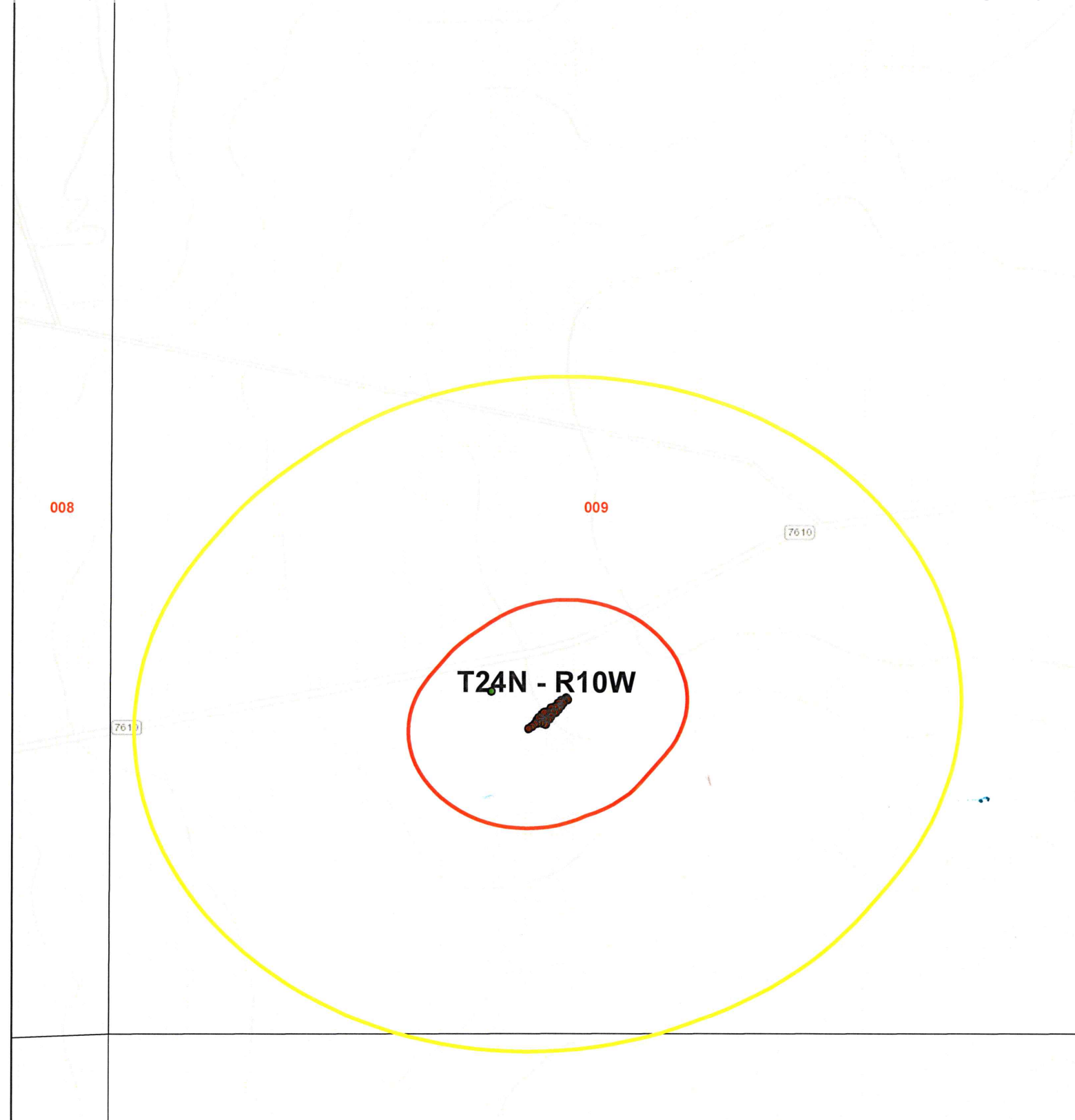


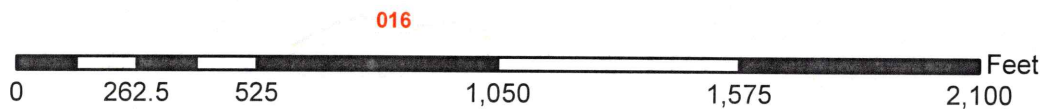
Diagram 2 (Representing Road 1 & Road 2)



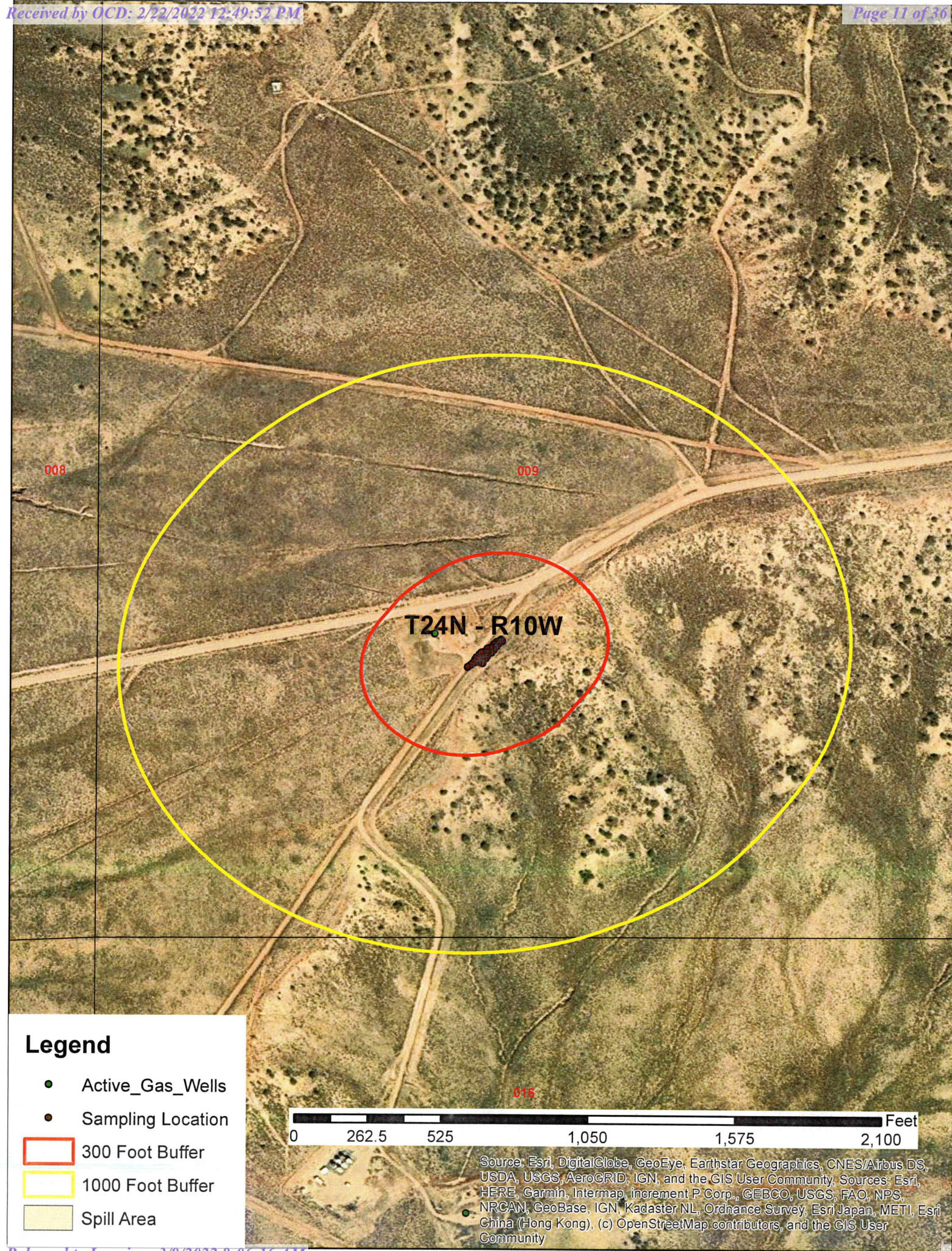


Legend

- Active_Gas_Wells
- Sampling Location
- 300 Foot Buffer
- 1000 Foot Buffer
- Spill Area



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



displayName	use	use_of_well	pod_status	own_lname	own_fname	depth_well	depth_water	distance_t	utm_easting	utm_north
SJ 01255	OIL	OIL	ACT	DUGAN PRODUCTION	null	1100	1073	3.912	245350	4024741
SJ 02223 P	STK	null	null	YAZZIE	LAMBERT	null	null	2.287	242802.1	4023932
SJ 01242	DOM	null	null	ARVISO	JACK W.	null	null	4.471	246318	4023707
SJ 01715	STK	STOCK & V	null	U.S. DEPT. OF INTER	null	637	250	4.252	241895	4030074
SJ 01713	STK	STOCK & V	null	U.S. DEPT. OF INTER	null	373	null	4.141	239936	4017203
SJ 03141	STK	DOM	ACT	BLANCETT	E.R.	640	595	2.598	237520	4019956
SD 05187	IRR	null	null	ARCHULETA	BERNADITA	null	null	2.262	235533.9	4024427
SJ 01979 S	EXP	null	null	COMMISSIONER OF	null	null	null	3.912	245350	4024741
RG 92412	DOM	null	ACT	MAESTAS	LARRY G.	94	27	4.72	243594.4	4029958
SJ 04372 P	STK	null	PEN	ARVISO	EUGENE	1000	null	3.436	243813	4026746

OSE POD Locations Map



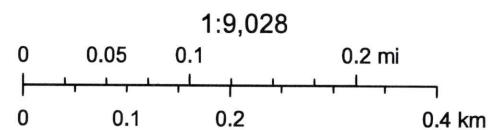
2/22/2022, 10:55:22 AM

 OSE District Boundary

New Mexico State Trust Lands

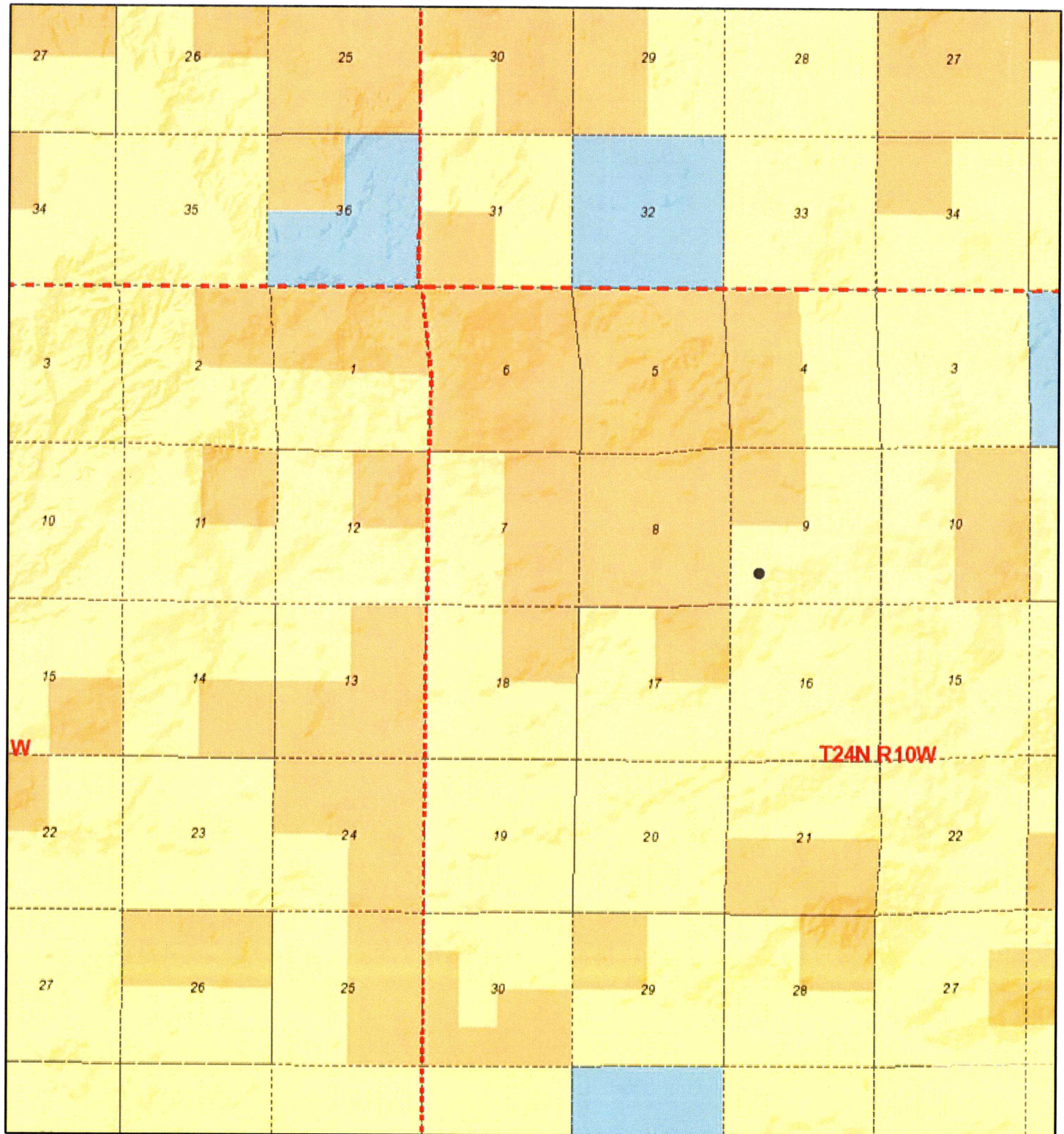
 Subsurface Estate

 Site Boundaries

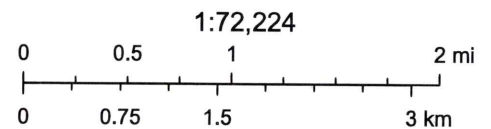
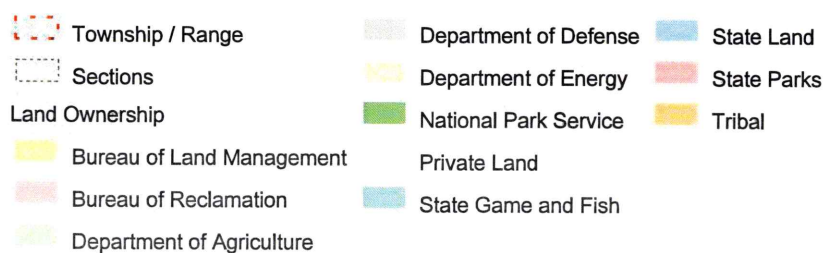


Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of Energy Office of Legacy Management, Maxar

Active Mines in New Mexico



2/22/2022, 10:59:54 AM



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



±104ft-107.90626



ft
±21ft

6884



°T
±12

E87



14Jan22 10:52 Ad-hoc

±14ft-107.90609 Δ ft ±17ft 6885 °T ±13 NE38



14Jan22 10:53 Ad-hoc

55,
±16ft-107.90611

ft
±10ft

6886



°T
±13

SW227



14Jan22 10:53 Ad-hoc

Sample Data

Dugan Production Corp.
PO Box 420
Farmington NM, 87499

Project Name: Juniper 9 #14
Project Number: 06094-0177
Project Manager: Kevin Smaka

Reported:
1/25/2022 9:51:53AM

Zone 1

E201072-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204022	
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		01/18/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204022	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		01/18/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2204063	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
<i>Surrogate: n-Nonane</i>						
	97.8 %	50-200		01/21/22	01/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2204023	
Chloride	2300	20.0	1	01/18/22	01/18/22	



Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Juniper 9 #14 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/25/2022 9:51:53AM
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Zone 2

E201072-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204022
Benzene	ND	0.0250	1	01/18/22	01/18/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/18/22	
Toluene	ND	0.0250	1	01/18/22	01/18/22	
o-Xylene	ND	0.0250	1	01/18/22	01/18/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/18/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/18/22	
Surrogate: 4-Bromochlorobenzene-PID	87.1 %	70-130		01/18/22	01/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204022
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	109 %	70-130		01/18/22	01/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
Surrogate: n-Nonane	99.8 %	50-200		01/21/22	01/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204023
Chloride	1380	20.0	1	01/18/22	01/18/22	



Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Juniper 9 #14 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/25/2022 9:51:53AM
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Zone 3

E201072-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204022
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
Surrogate: 4-Bromochlorobenzene-PID	95.5 %	70-130		01/18/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204022
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	103 %	70-130		01/18/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
Surrogate: n-Nonane	100 %	50-200		01/21/22	01/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204023
Chloride	1080	20.0	1	01/18/22	01/18/22	



Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Juniper 9 #14 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/25/2022 9:51:53AM
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Zone 4

E201072-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204022
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
Surrogate: 4-Bromochlorobenzene-PID	94.7 %	70-130		01/18/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204022
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		01/18/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
Surrogate: n-Nonane	97.9 %	50-200		01/21/22	01/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204023
Chloride	342	20.0	1	01/18/22	01/18/22	



Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Juniper 9 #14 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/25/2022 9:51:53AM
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Zone 5

E201072-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204022
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
Surrogate: 4-Bromochlorobenzene-PID	95.9 %	70-130		01/18/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204022
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	103 %	70-130		01/18/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
Surrogate: n-Nonane	101 %	50-200		01/21/22	01/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204023
Chloride	647	20.0	1	01/18/22	01/18/22	



Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Juniper 9 #14 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/25/2022 9:51:53AM
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Road 1

E201072-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204022
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
Surrogate: 4-Bromochlorobenzene-PID	96.2 %	70-130		01/18/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204022
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		01/18/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
Surrogate: n-Nonane	95.7 %	50-200		01/21/22	01/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204023
Chloride	144	20.0	1	01/18/22	01/18/22	



Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Juniper 9 #14 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/25/2022 9:51:53AM
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Road 2

E201072-07

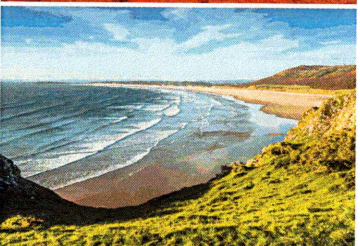
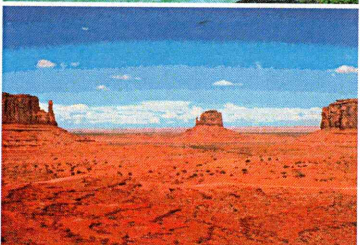
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204022
Benzene	ND	0.0250	1	01/18/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/18/22	01/19/22	
Toluene	ND	0.0250	1	01/18/22	01/19/22	
o-Xylene	ND	0.0250	1	01/18/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/18/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/18/22	01/19/22	
Surrogate: 4-Bromochlorobenzene-PID	96.1 %	70-130		01/18/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204022
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/18/22	01/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	105 %	70-130		01/18/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2204063
Diesel Range Organics (C10-C28)	ND	25.0	1	01/21/22	01/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/21/22	01/22/22	
Surrogate: n-Nonane	100 %	50-200		01/21/22	01/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2204023
Chloride	98.1	20.0	1	01/18/22	01/18/22	



Chain of Custody



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: Juniper 9 #14

Work Order: E201072

Job Number: 06094-0177

Received: 1/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/25/22

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: 1/25/22

Kevin Smaka
PO Box 420
Farmington, NM 87499



Project Name: Juniper 9 #14
Workorder: E201072
Date Received: 1/17/2022 3:00:00PM

Kevin Smaka,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/17/2022 3:00:00PM, under the Project Name: Juniper 9 #14.

The analytical test results summarized in this report with the Project Name: Juniper 9 #14 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Juniper 9 #14 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 01/25/22 09:51
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Zone 1	E201072-01A	Soil	01/14/22	01/17/22	Glass Jar, 4 oz.
Zone 2	E201072-02A	Soil	01/14/22	01/17/22	Glass Jar, 4 oz.
Zone 3	E201072-03A	Soil	01/14/22	01/17/22	Glass Jar, 4 oz.
Zone 4	E201072-04A	Soil	01/14/22	01/17/22	Glass Jar, 4 oz.
Zone 5	E201072-05A	Soil	01/14/22	01/17/22	Glass Jar, 4 oz.
Road 1	E201072-06A	Soil	01/14/22	01/17/22	Glass Jar, 4 oz.
Road 2	E201072-07A	Soil	01/14/22	01/17/22	Glass Jar, 4 oz.



Envirotech Analytical Laboratory

Printed: 1/17/2022 3:47:26PM

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:	01/17/22 15:00	Work Order ID:	E201072
Phone:	(505) 325-1821	Date Logged In:	01/17/22 15:36	Logged In By:	Caitlin Christian
Email:	kevin.smaka@duganproduction.com	Due Date:	01/24/22 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

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

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/ 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

QC Summary Data

Dugan Production Corp.	Project Name:	Juniper 9 #14	Reported:
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	1/25/2022 9:51:53AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2204022-BLK1)

Prepared: 01/18/22 Analyzed: 01/18/22

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	7.56		8.00		94.5	70-130			

LCS (2204022-BS1)

Prepared: 01/18/22 Analyzed: 01/18/22

Benzene	4.35	0.0250	5.00		87.0	70-130			
Ethylbenzene	4.53	0.0250	5.00		90.6	70-130			
Toluene	4.68	0.0250	5.00		93.7	70-130			
o-Xylene	4.51	0.0250	5.00		90.1	70-130			
p,m-Xylene	9.24	0.0500	10.0		92.4	70-130			
Total Xylenes	13.7	0.0250	15.0		91.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.8	70-130			

Matrix Spike (2204022-MS1)

Source: E201071-03

Prepared: 01/18/22 Analyzed: 01/18/22

Benzene	4.15	0.0250	5.00	ND	83.0	54-133			
Ethylbenzene	4.30	0.0250	5.00	ND	86.1	61-133			
Toluene	4.48	0.0250	5.00	ND	89.5	61-130			
o-Xylene	4.27	0.0250	5.00	ND	85.5	63-131			
p,m-Xylene	8.79	0.0500	10.0	ND	87.9	63-131			
Total Xylenes	13.1	0.0250	15.0	ND	87.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.3	70-130			

Matrix Spike Dup (2204022-MSD1)

Source: E201071-03

Prepared: 01/18/22 Analyzed: 01/18/22

Benzene	4.45	0.0250	5.00	ND	89.0	54-133	6.90	20	
Ethylbenzene	4.62	0.0250	5.00	ND	92.3	61-133	7.01	20	
Toluene	4.79	0.0250	5.00	ND	95.8	61-130	6.73	20	
o-Xylene	4.56	0.0250	5.00	ND	91.3	63-131	6.59	20	
p,m-Xylene	9.41	0.0500	10.0	ND	94.1	63-131	6.77	20	
Total Xylenes	14.0	0.0250	15.0	ND	93.2	63-131	6.71	20	
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			



QC Summary Data

Dugan Production Corp.	Project Name:	Juniper 9 #14	Reported:
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	1/25/2022 9:51:53AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2204022-BLK1)

Prepared: 01/18/22 Analyzed: 01/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.52		8.00		107	70-130			

LCS (2204022-BS2)

Prepared: 01/18/22 Analyzed: 01/18/22

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.49		8.00		106	70-130			

Matrix Spike (2204022-MS2)

Source: E201071-03

Prepared: 01/18/22 Analyzed: 01/18/22

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.45		8.00		106	70-130			

Matrix Spike Dup (2204022-MSD2)

Source: E201071-03

Prepared: 01/18/22 Analyzed: 01/18/22

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130	1.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.50		8.00		106	70-130			



QC Summary Data

Dugan Production Corp.	Project Name:	Juniper 9 #14	Reported:
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	1/25/2022 9:51:53AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2204063-BLK1)

Prepared: 01/21/22 Analyzed: 01/22/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.8		50.0		114	50-200			

LCS (2204063-BS1)

Prepared: 01/21/22 Analyzed: 01/22/22

Diesel Range Organics (C10-C28)	456	25.0	500		91.2	38-132			
Surrogate: n-Nonane	50.2		50.0		100	50-200			

Matrix Spike (2204063-MS1)

Source: E201083-10

Prepared: 01/21/22 Analyzed: 01/22/22

Diesel Range Organics (C10-C28)	301	25.0	500	ND	60.2	38-132			
Surrogate: n-Nonane	40.0		50.0		80.0	50-200			

Matrix Spike Dup (2204063-MSD1)

Source: E201083-10

Prepared: 01/21/22 Analyzed: 01/24/22

Diesel Range Organics (C10-C28)	444	25.0	500	ND	88.8	38-132	38.3	20	R3
Surrogate: n-Nonane	29.4		50.0		58.8	50-200			



QC Summary Data

Dugan Production Corp.	Project Name:	Juniper 9 #14	Reported:
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	1/25/2022 9:51:53AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2204023-BLK1)

Prepared: 01/18/22 Analyzed: 01/18/22

Chloride ND 20.0

LCS (2204023-BS1)

Prepared: 01/18/22 Analyzed: 01/18/22

Chloride 250 20.0 250 99.9 90-110

Matrix Spike (2204023-MS1)

Source: E201071-03

Prepared: 01/18/22 Analyzed: 01/18/22

Chloride 438 20.0 250 180 103 80-120

Matrix Spike Dup (2204023-MSD1)

Source: E201071-03

Prepared: 01/18/22 Analyzed: 01/18/22

Chloride 437 20.0 250 180 103 80-120 0.215 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:	Juniper 9 #14	
PO Box 420	Project Number:	06094-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	01/25/22 09:51

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

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.



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 83241

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 83241
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	3/9/2022