

Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2202733281
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: Robert AsherTitle: Environmental SupervisorSignature: Date: 5-26-2022email: bob\_asher@eogresources.comTelephone: 575-748-4217**OCD Only**Received by: Robert HamletDate: 9/8/2022

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: Robert HamletDate: 9/8/2022Printed Name: Robert HamletTitle: Environmental Specialist - Advanced

# Remediation Excavation Closure Report



## Dazed BDZ Federal Com #2

API #30-015-33428

Unit E, Section 3, T21S, R24E

Eddy County, New Mexico

Incident ID: nAPP2202733281



May 26, 2022

Project #19034-0008

Mr. Bob Asher  
104 South 4<sup>th</sup> Street  
Artesia, New Mexico  
Phone: (575) 748-4217  
E-mail: [bob\\_asher@eogresources.com](mailto:bob_asher@eogresources.com)



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## Introduction

Envirotech, Inc. (Envirotech) of Farmington, New Mexico, was contracted by EOG Resources (EOG) to complete a site assessment and subsequent remediation excavation at the Dazed BDZ Federal Com #2 (API: 30-015-33428) located within Unit E, Section 3, Township 21 South, Range 24 East in Eddy County, New Mexico; see **Figure 1, Vicinity Map**. The subject site is a plugged and abandoned (P&A) well location.

## Regulatory Standards

The Dazed BDZ Federal Com #2 (site) is located 6,944 feet from a water well identified as C-03245. The site is located at an elevation of 3,830 ft above mean sea level (amsl) and the water well is located at an elevation of 3,360 feet amsl with a depth to water of 100 feet. The site is located greater than 300 feet from any significant water source. The depth to groundwater at the site was assessed as being greater than 100 feet. Prior ranking found on a C-141 dated December 27, 2007, indicates depth to water is 65 feet at the site. Siting criteria documentation for the subject well site is provided in **Appendix A, Siting Documentation**.

Based on the shallow depth of the excavations and the site being plugged and abandoned, the closure criteria for the site were based on the reclamation standards (19.15.29.13 NMAC):

Constituent	Method	Limit
Chloride	EPA 300.0	600 mg/kg
Total Petroleum Hydrocarbons (TPH)	EPA Method 8015D	100 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA Method 8021B	50 mg/kg
Benzene	EPA Method 8021B	10 mg/kg

## Site Assessment and Sampling Activities

On January 19 and 20, 2022, Envirotech personnel and EOG's earth work contractor arrived on-site to conduct the site assessment. Prior to field work, a Job Safety Analysis (JSA) was completed. Observations made during the site assessment included three (3) areas marked on the location. The areas of concern included visibly stained soil located northwest of the P&A marker, east of the P&A marker, and near the southeast corner of the well pad.

Utilizing a backhoe, the areas of concern were excavated, and the contaminated soil was loaded into dump trucks to be transported to a New Mexico Oil Conservation Division (NMOCD) permitted disposal facility.

The excavations were identified as the northwest excavation, the main excavation, and the southeast excavation. The final extents of the northwest excavation measured approximately 20

feet by 20 feet by 2.3 feet below ground surface (bgs). The final extents of the main excavation measured approximately 80 feet with a width ranging from 12 feet to 18 feet and a depth ranging between 0.7 to 1.2 feet bgs. The final extents of the southeast excavation measured approximately 12 feet by 10 feet by 0.7 feet bgs. Field screening analysis and associated laboratory analytical reports were included under separate cover titled *Site Assessment Report* dated February 18, 2022.

### **March Sampling Activities**

Samples were collected on March 15, 2022. A total of five (5) five-point composite soil samples were collected from the excavations for laboratory analysis. One (1) sample was collected from the base and the walls of the of the northwest excavation. One (1) sample was collected from the base of the southeast excavation and two (2) samples were collected from the base of the main excavation. All sample collected were representative of 200 square feet (ft<sup>2</sup>). The soil samples were placed into an individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech Analytical Laboratory under strict chain of custody. The soil sample locations are illustrated in **Figure 2, Site Map** and in **Appendix C, Site Photography**.

### **Laboratory Analytical Results**

The soil samples were analyzed per analytical methods referenced in 19.15.29.13 NMAC. Laboratory results indicated soils were contaminated above applicable regulatory standards for chlorides in three (3) of the five (5) near surface samples (CS-11, CS-13, CS-14). CS-11 was representative of the northeast excavation base, CS-13 and CS-14 were representative of the west base and east base of the main excavation, respectively. Analytical results are summarized in **Table 1, Summary of Soil Analytical Results** and **Appendix D, Laboratory Analytical Report**.

### **April Excavation and Confirmation Sampling Activities**

On April 12, 2022, Envirotech personnel EOG's earth work contractor returned to the site to the remediation of the northwest and main excavations. The final extents of the northwest excavation measured approximately 20 feet by 20 feet by 3 feet bgs. The final extents of the main excavation measured approximately 80 feet with a width ranging from 12 feet to 18 feet and a depth ranging between 1 to 1.5 feet bgs.

EOG Resources notified the NMOCD prior to collecting confirmation samples at the site. Confirmation samples were collected on April 14, 2022. A total of five (5) five-point composite soil samples were collected from the excavations for laboratory analysis. One (1) sample was collected from the base of the of the northwest excavation. Two (2) samples were collected from the base of the main excavation and two (2) samples were collected from the walls of the main excavation. All samples collected were representative of 200 square feet (ft<sup>2</sup>). The soil samples were placed into an individual laboratory provided 4-ounce jars, capped head space free, and

transported on ice to Envirotech Analytical Laboratory under strict chain of custody. The soil sample locations are illustrated in **Figure 2, Site Map** and in **Appendix C, Site Photography**. Notifications are appended in **Appendix E, Regulatory Correspondence**.

#### Laboratory Analytical Results

The soil samples were analyzed per analytical methods referenced in 19.15.29.13 NMAC. All samples collected returned results below laboratory detection limits or regulatory standards for all contaminants of concern. Analytical results are summarized in **Table 1, Summary of Soil Analytical Results** and **Appendix D, Laboratory Analytical Report**.

#### Summary and Conclusions

Envirotech personnel completed the sampling of three (3) remediation excavations that were completed at the Dazed BDZ Federal Com #2. EOG contractors backfilled the excavation with non-waste containing material on May 18, 2022. Based on the analytical results, all contaminants of concern are below the NMOCD reclamation criteria; therefore, Envirotech recommends requesting a **No Further Action** status regarding the remediation excavations.

#### Statement of Limitations

The work and services provided were in accordance with NMOCD standards. All observations and conclusions provided here are based on the information and current site conditions found at the subject well site. This work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,  
ENVIROTECH, INC.

Reviewed by:

  
Brittany Hall  
Environmental Field Technician  
[bhall@envirotech-inc.com](mailto:bhall@envirotech-inc.com)

  
Tami Knight, CHMM  
Environmental Project Manager  
[tknight@envirotech-inc.com](mailto:tknight@envirotech-inc.com)

# Figures

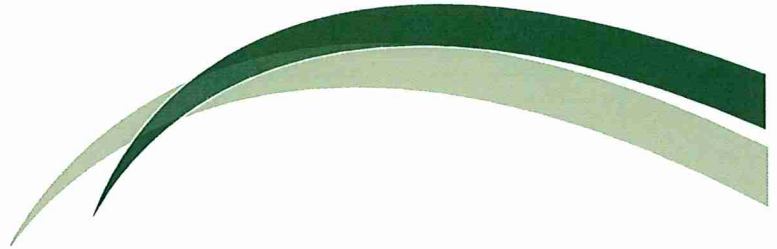
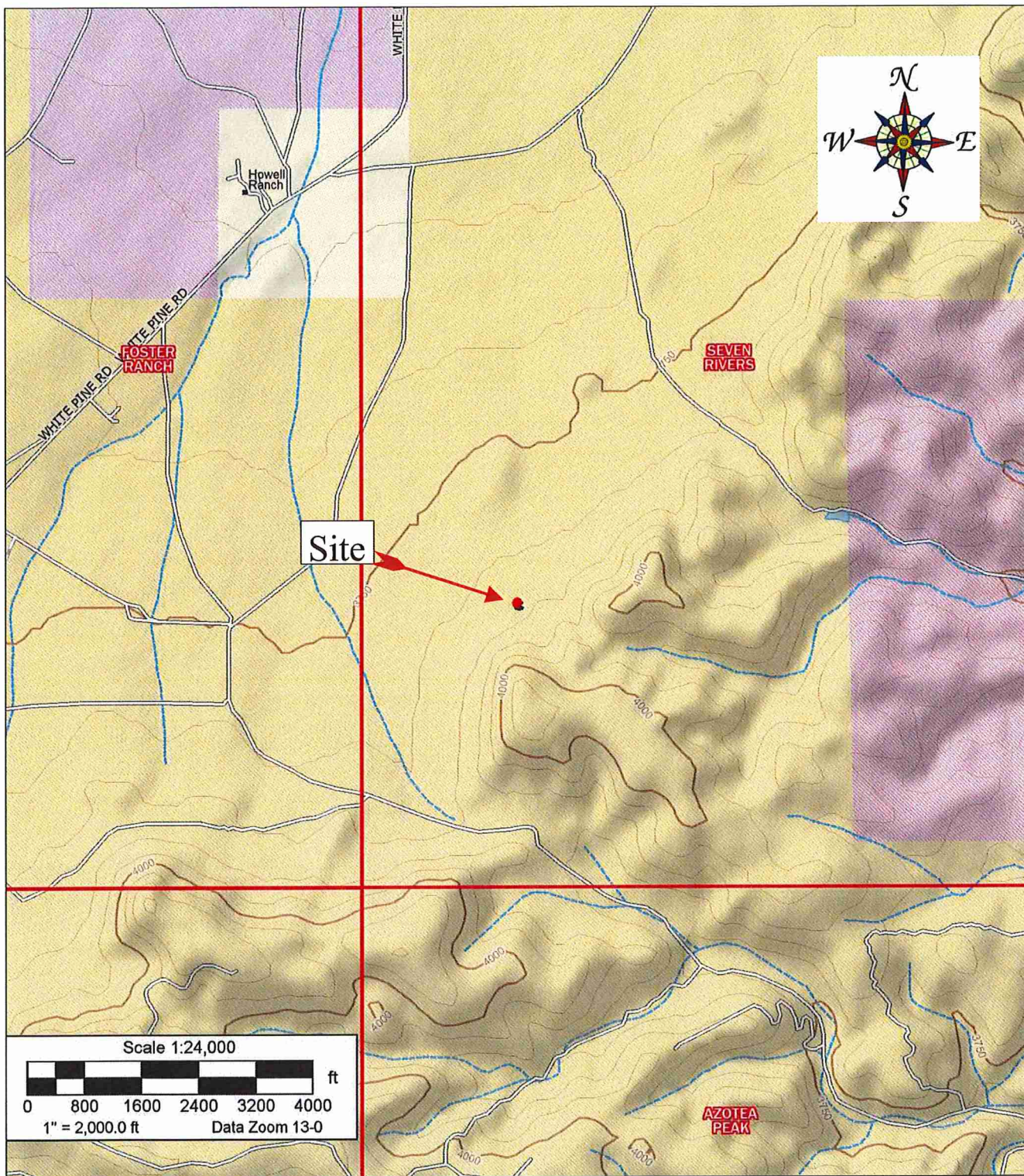


Figure 1, *Vicinity Map*

Figure 2, *Site Map*

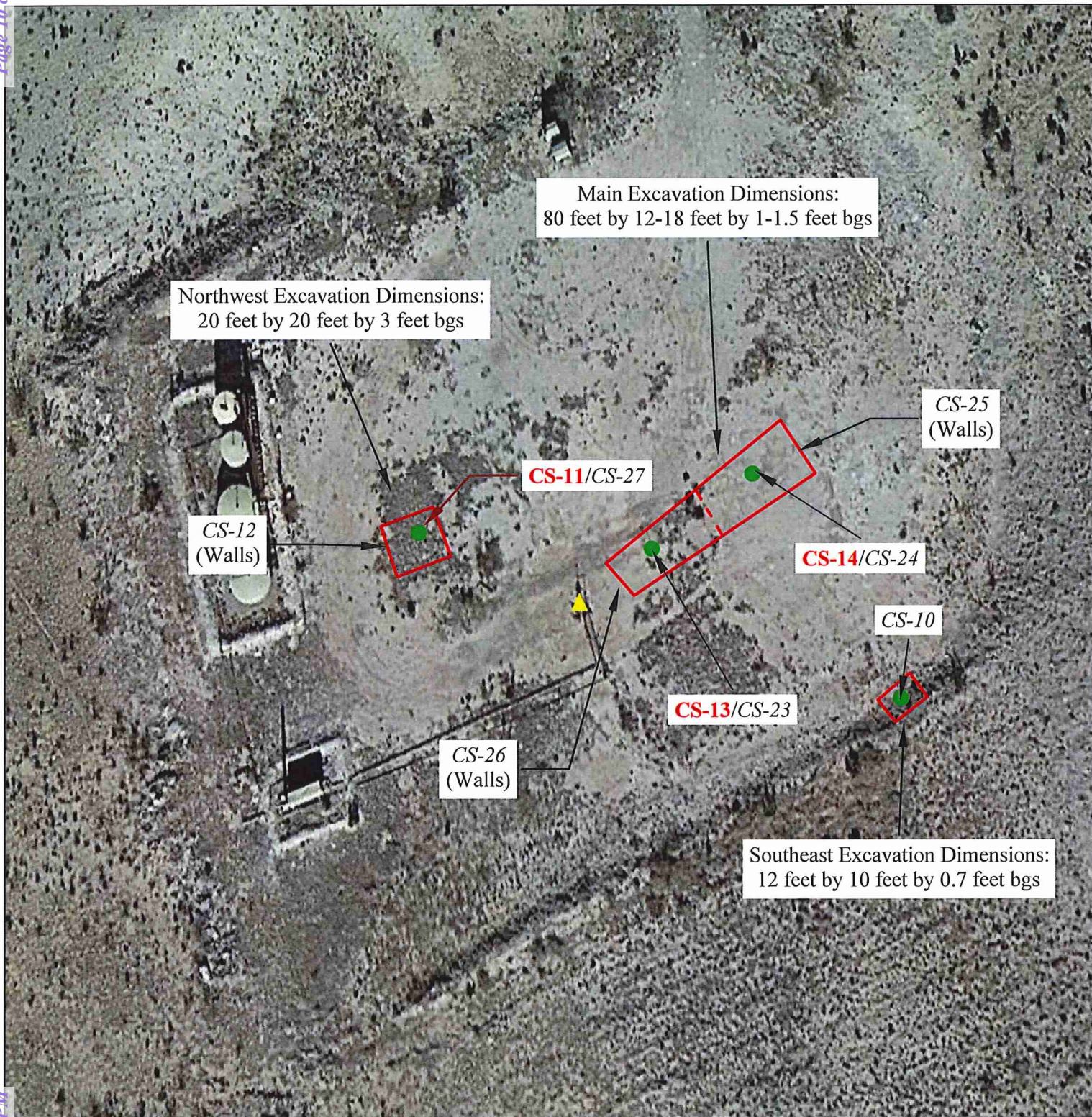


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Source: 7.5 Minute, Seven Rivers, New Mexico U.S.G.S. Topographic Quadrangle Map  
Scale: 1:24,000 1" = 2,000

EOG Resources Site Assessment Report Dazed BDZ Federal Com #2 Unit E, Section3, T21S, R24E Eddy County, New Mexico 32.511004, -104.493439		 5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615	Vicinity Map	
Project Number: 19034-0008	Date Drawn: 02/17/2022		Figure #1	
			DRAWN BY: Brittany Hall	PROJECT MANAGER: Felipe Aragon



**Legend**

- Excavations
- ▲ -Dazed BDZ Federal Com #2 P&A Marker
- -Five point composite samples
- CS-11 -Confirmation sample above regulatory limit, collected 3/15/2022
- CS-25 -Confirmation sample below regulatory limits



MAP DRAWN BY:  
GB  
02/10/2022

REVISIONS BY:  
BAH  
05/10/2022

APPROVED BY:  
NAME  
DATE

Scale  
1" = 50'

## Figure 2, Site Map

EOG Resources  
Remediation and Closure Report  
Dazed BDZ Federal Com #2  
API: 30-015-33428  
Eddy County, New Mexico  
Section 3, Township 21S, Range 24E  
Project #19034-0008



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

# Tables

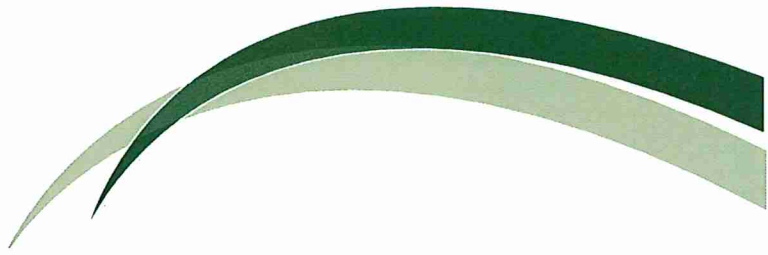
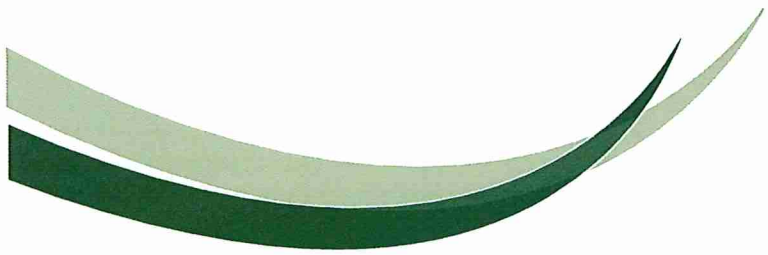


Table 1, *Summary of Soil Analytical Results*



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Table 1, Summary of Soil Analytical Results  
EOG Resources  
Remediation Excavation Closure Report  
Dazed BDZ Federal Com #2; API: 30-015-33428  
Section 3, Township 21S, Range 24E  
Eddy County, New Mexico  
Project #19034-0008

Sample Description	Date	Sample Depth (ft)	EPA Method 8015			EPA Method 8021		EPA Method 300.0
			GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Benzene (mg/kg)	Total BTEX (mg/kg)	
NMOCD Reclamation Closure Criteria (Table 1 - 19.15.29.13 NMAC)			100 mg/kg			10 mg/kg	50 mg/kg	600 mg/kg
CS-10	3/15/2022	0.7	<20.0	<25.0	<50.0	<0.025	<0.1	<200
CS-11	3/15/2022	2.3	<20.0	<25.0	<50.0	<0.025	<0.1	2,900
CS-12	3/15/2022	0-2.3	<20.0	<25.0	<50.0	<0.025	<0.1	205
CS-13	3/15/2022	0-1.2	<20.0	<25.0	<50.0	<0.025	<0.1	1,580
CS-14	3/15/2022	1.2	<20.0	<25.0	<50.0	<0.025	<0.1	2,500
CS-23	4/14/2022	1	<20.0	<25.0	<50.0	<0.025	0.0768	367
CS-24	4/14/2022	1.5	<20.0	<25.0	<50.0	<0.025	<0.1	260
CS-25	4/14/2022	0-1.5	<20.0	<25.0	<50.0	<0.025	<0.1	271
CS-26	4/14/2022	0-1	<20.0	<25.0	<50.0	<0.025	<0.1	325
CS-27	4/14/2022	3	<20.0	<25.0	<50.0	<0.025	<0.1	281

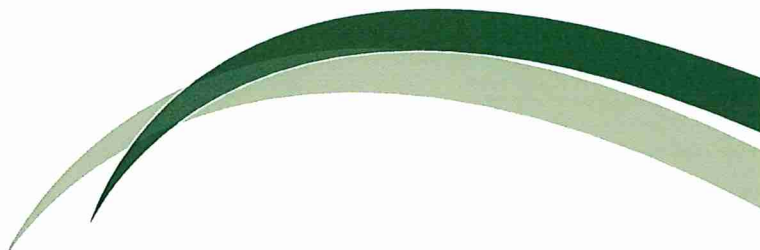
**BOLD** - above regulatory standard

Confirmation samples used for closure

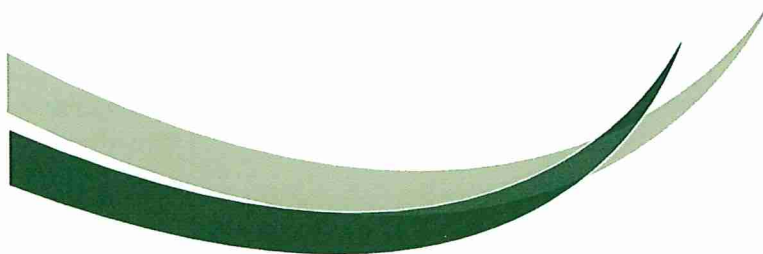


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# Appendix A



## *Siting Criteria Documentation*



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<b>Site Name:</b>	<b>Dazed BDZ Federal Com #2</b>			
<b>API #:</b>	30-015-33428			
<b>Lat/Long:</b>	32.5109634, -104.4934998			
<b>TRS:</b>	Unit E Section 3 T21S Range 24E			
<b>Land Jurisdiction:</b>	Federal			
<b>County:</b>	Eddy			
<b>Wellhead Protection Area Assessment</b>				
<b>Water Source Type (well/spring/stock pond)</b>	<b>ID</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Distance</b>
<b>Distance to Nearest Significant Watercourse</b>				
<b>Depth to Groundwater Determination</b>				
Cathodic Report/Site Specific Hydrogeology	Prior ranking indicates DTW = 65 ft (Dec 27, 2007 C-141)			
Elevation Differential	Water Well 3,360 ft, Well Site 3,830 ft = 470 ft			
Water Wells	C-03245 DTW=100 ft; 6,944 feet from well site			
<b>Sensitive Receptor Determination</b>				
<300' of any continuously flowing watercourse or any other significant watercourse	No			
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water	No			
<300' of an occupied permanent residence, school, hospital, institution or church	No			
<500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes	No			
<1000' of any water well or spring - right at 1,000 feet	No			
Within incorporated municipal boundaries or within a defined municipal fresh water well	No			
<300' of a wetland	No			
Within the area overlying a subsurface mine	No			
Within an unstable area	No			
Within a 100-year floodplain	No			
<b>DTW Determination</b>	<b>≤50 <input type="checkbox"/></b>	<b>50-100 <input checked="" type="checkbox"/></b>	<b>&gt;100 <input type="checkbox"/></b>	
Benzene	10	10	10	
BTEX (mg/kg)	50	50	50	
8015 TPH (GRO/DRO) (mg/kg)	Not Applicable	1,000	1,000	
8015 TPH (GRO/DRO/MRO) (mg/kg)	100	2,500	2,500	
Chlorides (mg/kg)	600	10,000	20,000	



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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	nAPP2202733281
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Robert Asher	Contact Telephone 575-748-4217
Contact email bob_asher@eogresources.com	Incident # (assigned by OCD)
Contact mailing address 104 S. 4 <sup>th</sup> Street, Artesia, New Mexico 88210	

### Location of Release Source

Latitude 32.51096 Longitude -104.49349  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Dazed BDZ Federal Com #2	Site Type: Well Pad
Date Release Discovered: 1/25/2022	API# 30-015-33428

Unit Letter	Section	Township	Range	County
E	3	21S	24E	Eddy

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 (Unknown)	Volume Recovered (Unknown)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/>	Volume/Weight Released	Volume/Weight Recovered

#### Cause of Release

While decommissioning the P&A'd location, areas on well pad showed signs of soils impacted from produced water (approximate areas, 10' X 15', 12' X 21' & 21' X 70').

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: <u>Robert Asher</u> Signature: <u></u> email: <u>bob_asher@eogresources.com</u>	Title: <u>Environmental Supervisor</u> Date: <u>1-27-2022</u> Telephone: <u>575-748-4217</u>
<b><u>OCD Only</u></b> Received by: _____ Date: _____	

State of New Mexico  
Oil Conservation Division

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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?	<u>50-100'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

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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: Robert AsherTitle: Environmental SupervisorSignature: Date: 4-25-2022email: [bob\\_asher@eogresources.com](mailto:bob_asher@eogresources.com)Telephone: 575-748-4217**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

State of New Mexico  
Oil Conservation Division

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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: Robert Asher Title: Environmental Supervisor

Signature:  Date: 4-25-2022

email: bob\_asher@eogresources.com Telephone: 575-748-4217

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2202733281
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: Robert Asher

Title: Environmental Supervisor

Signature: 

Date: 5-26-2022

email: bob\_asher@eogresources.com

Telephone: 575-748-4217

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

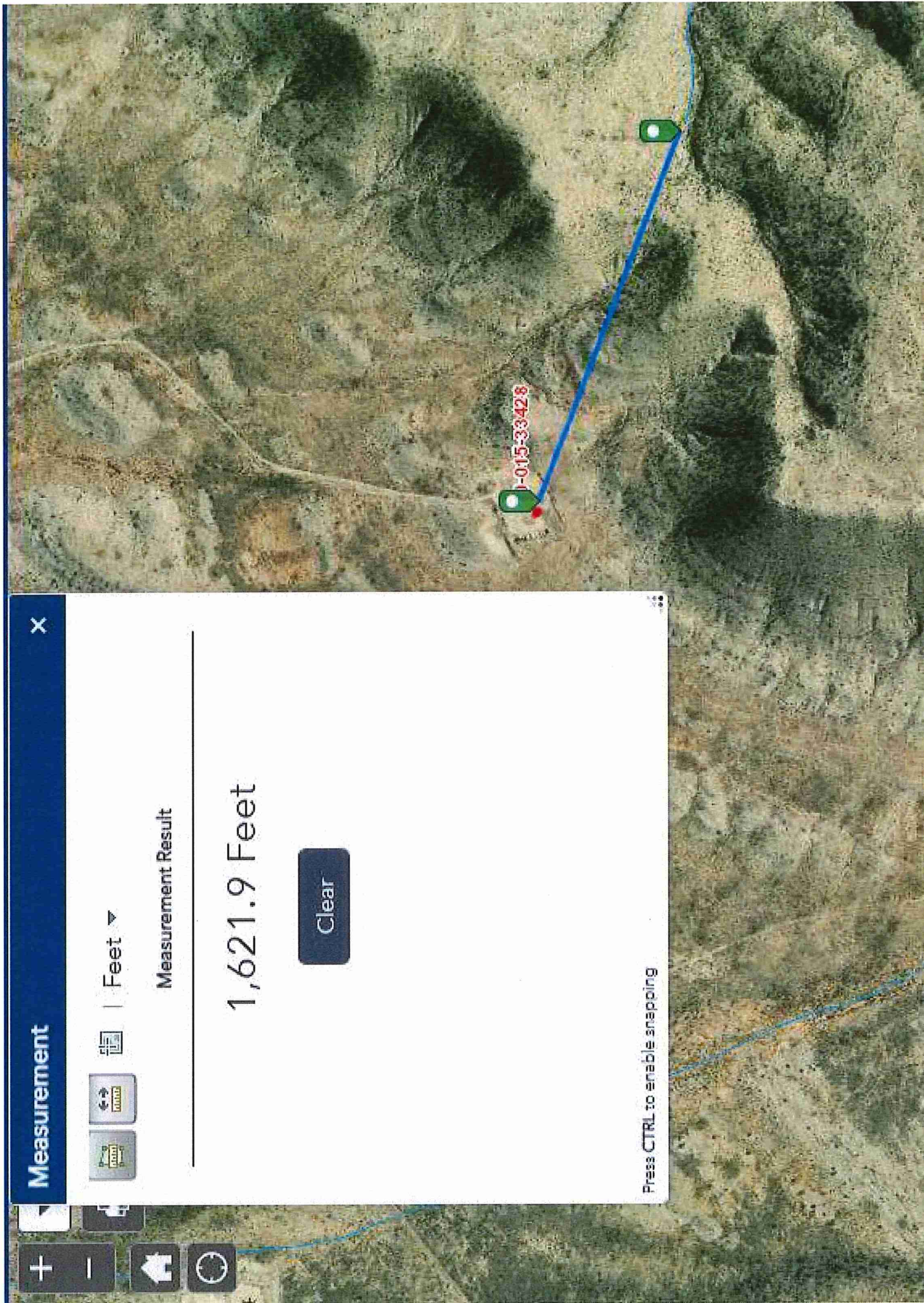
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance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

Closure Approved by: \_\_\_\_\_

Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_



## Appendix B

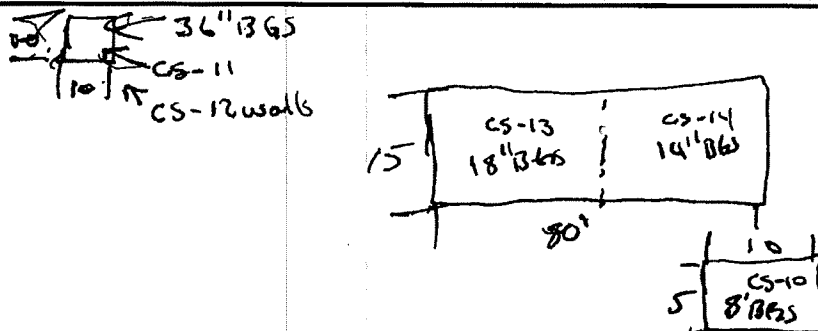
### *Field Notes*



Practical Solutions for a Better Tomorrow

Released to Imaging: 9/8/2022 3:06:09 PM

**SITE PERIMETER:** Draw a schematic of the spill site. Attach photos and other diagrams as needed.



**EXCAVATION OVERVIEW:**

**EXCAVATION PROFILE VIEWS:**

Sample Name:

Sample Name:

Sample Name:

Sample Name:



# Daily Spill Visit Report

Client:	EOG Resources	Inspection Date:	3/15/2022
Site Location Name:	Dazed BDZ Federal Com #2	Report Run Date:	3/24/2022 9:16 PM
Client Contact Name:	Bob Asher	API #:	
Client Contact Phone #:	575-365-4021		
Unique Project ID	19034-Dazed BDZ Federal Com #2	Project Owner:	F.Aragon
Project Reference #	19034-0008	Project Manager:	B. Hall

Summary of Times	
Arrived at Site	3/15/2022 7:00 AM
Departed Site	

Field Notes
-------------

Next Steps & Recommendations
------------------------------

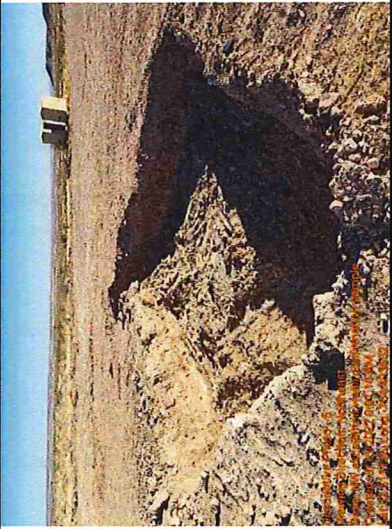

# Daily Spill Visit Report

## Site Photos

Viewing Direction: East	<p>Photo - Location: East Excavation area Sample location Date: 3/15/2022 Time: 14:55:46 GPS: 33.000000, -108.000000</p>	SE excavation confirmation sample (CS-10)
Viewing Direction: East	<p>Photo - Location: East Excavation area Sample location Date: 3/15/2022 Time: 14:55:46 GPS: 33.000000, -108.000000</p>	Main excavation east confirmation sample (CS-14)
Viewing Direction: East	<p>Photo - Location: East Excavation area Sample location Date: 3/15/2022 Time: 14:55:46 GPS: 33.000000, -108.000000</p>	Main excavation west confirmation sample (CS-13)
Viewing Direction: East	<p>Photo - Location: East Excavation area Sample location Date: 3/15/2022 Time: 14:55:46 GPS: 33.000000, -108.000000</p>	NW excavation base confirmation sample (CS-11)

# Daily Spill Visit Report



Viewing Direction: Northeast	
Viewing Direction: Southwest	
NW excavation walls confirmation sample (CS-12)	

## Daily Spill Visit Report



Daily Site Visit Signature

**Inspector:** Isaac Garcia

**Signature:**



# Daily Spill Visit Report

Client:	EOG Resources	Inspection Date:	4/12/2022
Site Location Name:	Dazed BDZ Federal Com #2	Report Run Date:	4/25/2022 6:37 PM
Client Contact Name:	Bob Asher	API #:	
Client Contact Phone #:	575-365-4021		
Unique Project ID	19034-Dazed BDZ Federal Com #2	Project Owner:	F.Aragon
Project Reference #	19034-0008	Project Manager:	B. Hall

Summary of Times	
Arrived at Site	4/12/2022 7:00 AM
Departed Site	

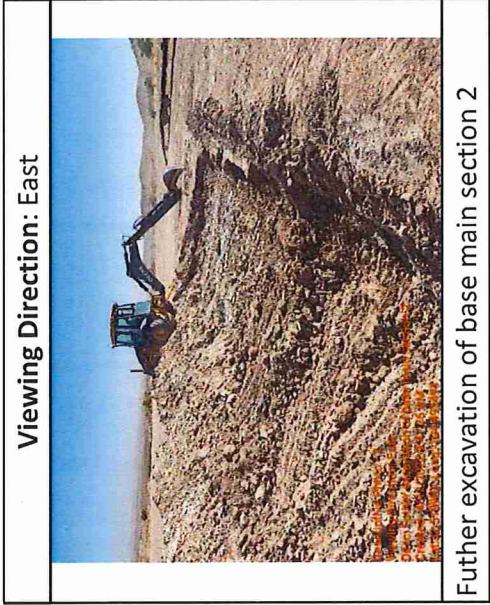
Field Notes
-------------

Next Steps & Recommendations
------------------------------



## Daily Spill Visit Report

### Site Photos



## Daily Spill Visit Report



Daily Site Visit Signature

**Inspector:** Isaac Garcia

**Signature:**

## Appendix C

### *Site Photography*



Practical Solutions for a Better Tomorrow

Site Photography  
EOG Resources  
Remediation Excavation Closure Report  
Dazed BDZ Federal Com #2 Well Site  
Eddy County, New Mexico  
Project #19034-0008  
May 25, 2022



Picture 1: P&A Marker



Picture 2: View of Pin Flagged Area East of P&A Marker

Site Photography  
EOG Resources  
Remediation Excavation Closure Report  
Dazed BDZ Federal Com #2 Well Site  
Eddy County, New Mexico  
Project #19034-0008  
May 25, 2022



Picture 3: View of Pin Flagged Area in Southeast Corner of Well Pad



Picture 4: View of Pin Flagged Area in Northwest of P&A Marker

Site Photography  
EOG Resources  
Remediation Excavation Closure Report  
Dazed BDZ Federal Com #2 Well Site  
Eddy County, New Mexico  
Project #19034-0008  
May 25, 2022

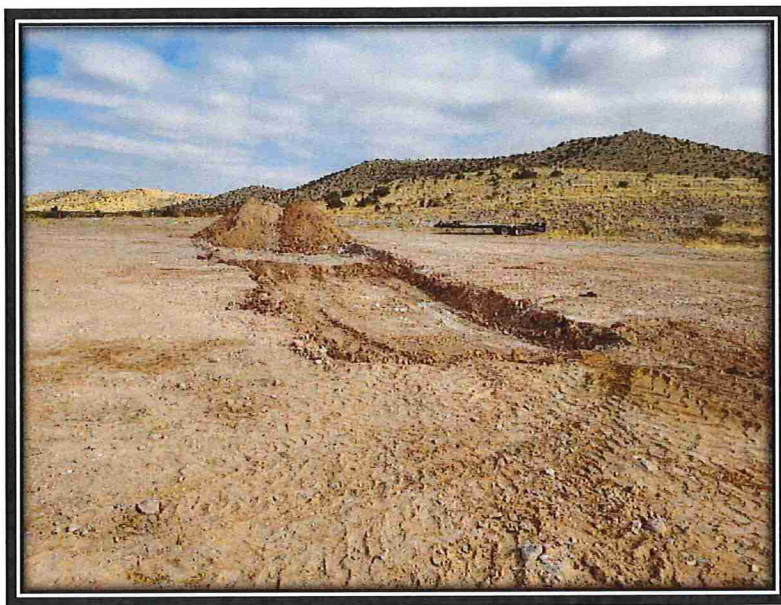


Picture 5: View of Southeast Excavation



Picture 6: View of Northwest Excavation

Site Photography  
EOG Resources  
Remediation Excavation Closure Report  
Dazed BDZ Federal Com #2 Well Site  
Eddy County, New Mexico  
Project #19034-0008  
May 25, 2022



Picture 7: View 1 of Main Excavation



Picture 8: View 2 of Main Excavation

Site Photography  
EOG Resources  
Remediation Excavation Closure Report  
Dazed BDZ Federal Com #2 Well Site  
Eddy County, New Mexico  
Project #19034-0008  
May 25, 2022

March 15, 2022



Picture 9: CS-10



Picture 10: CS-11

Site Photography  
EOG Resources  
Remediation Excavation Closure Report  
Dazed BDZ Federal Com #2 Well Site  
Eddy County, New Mexico  
Project #19034-0008  
May 25, 2022



Picture 11: View 1 of CS-12



Picture 12: View 2 of CS-12

Site Photography  
EOG Resources  
Remediation Excavation Closure Report  
Dazed BDZ Federal Com #2 Well Site  
Eddy County, New Mexico  
Project #19034-0008  
May 25, 2022



Picture 13: CS-13



Picture 14: CS-14

Site Photography  
EOG Resources  
Remediation Excavation Closure Report  
Dazed BDZ Federal Com #2 Well Site  
Eddy County, New Mexico  
Project #19034-0008  
May 25, 2022

April 14, 2022



Picture 15: CS-23 through CS-26 (looking East)



Picture 16: CS-27

Site Photography  
EOG Resources  
Remediation Excavation Closure Report  
Dazed BDZ Federal Com #2 Well Site  
Eddy County, New Mexico  
Project #19034-0008  
May 25, 2022



Picture 17: View of Backfilled Area



Picture 18: View of Backfilled Area

Site Photography  
EOG Resources  
Remediation Excavation Closure Report  
Dazed BDZ Federal Com #2 Well Site  
Eddy County, New Mexico  
Project #19034-0008  
May 25, 2022

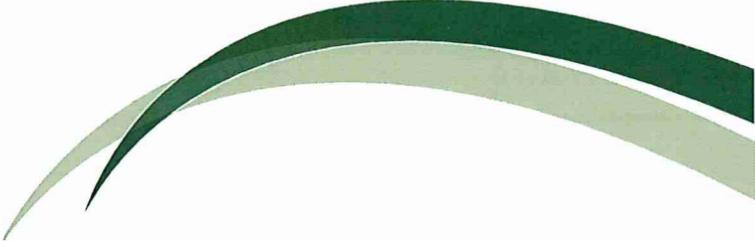


Picture 19: View of Backfilled Area



Picture 20: View of Backfilled Area

## Appendix D



*Laboratory Analytical Report*



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Practical Solutions for a Better Tomorrow

Report to:  
Felipe Aragon



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### EOG Resources

Project Name: Dazed Federal #2

Work Order: E203098

Job Number: 19034-0008

Received: 3/16/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/23/22

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: 3/23/22

Felipe Aragon  
104 South 4th Street  
Artesia, NM 88210



Project Name: Dazed Federal #2  
Workorder: E203098  
Date Received: 3/16/2022 7:30:00AM

Felipe Aragon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/16/2022 7:30:00AM, under the Project Name: Dazed Federal #2.

The analytical test results summarized in this report with the Project Name: Dazed Federal #2 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**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

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**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

EOG Resources	Project Name:	Dazed Federal #2	Reported:
104 South 4th Street	Project Number:	19034-0008	
Artesia NM, 88210	Project Manager:	Felipe Aragon	03/23/22 15:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS - 10	E203098-01A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
	E203098-01B	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
CS - 11	E203098-02A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
	E203098-02B	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
CS - 12	E203098-03A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
	E203098-03B	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
CS - 13	E203098-04A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
	E203098-04B	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
CS - 14	E203098-05A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
	E203098-05B	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.



## Sample Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Dazed Federal #2 Project Number: 19034-0008 Project Manager: Felipe Aragon	Reported: 3/23/2022 3:01:13PM
--	--	----------------------------------

### CS - 10

#### E203098-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2212081
Benzene	ND	0.0250	1	03/18/22	03/20/22	
Ethylbenzene	ND	0.0250	1	03/18/22	03/20/22	
Toluene	ND	0.0250	1	03/18/22	03/20/22	
o-Xylene	ND	0.0250	1	03/18/22	03/20/22	
p,m-Xylene	ND	0.0500	1	03/18/22	03/20/22	
Total Xylenes	ND	0.0250	1	03/18/22	03/20/22	
Surrogate: 4-Bromochlorobenzene-PID	93.3 %	70-130		03/18/22	03/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2212081
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/22	03/20/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.6 %	70-130		03/18/22	03/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2213020
Diesel Range Organics (C10-C28)	ND	25.0	1	03/22/22	03/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/22/22	03/23/22	
Surrogate: n-Nonane	92.2 %	50-200		03/22/22	03/23/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2213005
Chloride	ND	200	10	03/21/22	03/21/22	



## Sample Data

EOG Resources  
104 South 4th Street  
Artesia NM, 88210

Project Name: Dazed Federal #2  
Project Number: 19034-0008  
Project Manager: Felipe Aragon

Reported:  
3/23/2022 3:01:13PM

CS - 11

E203098-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2212081
Benzene	ND	0.0250	1	03/18/22	03/20/22	
Ethylbenzene	ND	0.0250	1	03/18/22	03/20/22	
Toluene	ND	0.0250	1	03/18/22	03/20/22	
o-Xylene	ND	0.0250	1	03/18/22	03/20/22	
p,m-Xylene	ND	0.0500	1	03/18/22	03/20/22	
Total Xylenes	ND	0.0250	1	03/18/22	03/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.4 %	70-130	03/18/22	03/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2212081
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/22	03/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.9 %	70-130	03/18/22	03/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2213020
Diesel Range Organics (C10-C28)	ND	25.0	1	03/22/22	03/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/22/22	03/23/22	
<i>Surrogate: n-Nonane</i>		88.8 %	50-200	03/22/22	03/23/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2213005
Chloride	2900	100	5	03/21/22	03/21/22	



## Sample Data

EOG Resources  
104 South 4th Street  
Artesia NM, 88210

Project Name: Dazed Federal #2  
Project Number: 19034-0008  
Project Manager: Felipe Aragon

Reported:  
3/23/2022 3:01:13PM

CS - 12

E203098-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2212081
Benzene	ND	0.0250	1	03/18/22	03/20/22	
Ethylbenzene	ND	0.0250	1	03/18/22	03/20/22	
Toluene	ND	0.0250	1	03/18/22	03/20/22	
o-Xylene	ND	0.0250	1	03/18/22	03/20/22	
p,m-Xylene	ND	0.0500	1	03/18/22	03/20/22	
Total Xylenes	ND	0.0250	1	03/18/22	03/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.4 %	70-130	03/18/22	03/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2212081
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/22	03/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		99.4 %	70-130	03/18/22	03/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2213020
Diesel Range Organics (C10-C28)	ND	25.0	1	03/22/22	03/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/22/22	03/23/22	
<i>Surrogate: n-Nonane</i>		88.5 %	50-200	03/22/22	03/23/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2213005
Chloride	205	200	10	03/21/22	03/21/22	



## Sample Data

EOG Resources  
104 South 4th Street  
Artesia NM, 88210

Project Name: Dazed Federal #2  
Project Number: 19034-0008  
Project Manager: Felipe Aragon

Reported:  
3/23/2022 3:01:13PM

### CS - 13

E203098-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2212081
Benzene	ND	0.0250	1	03/18/22	03/20/22	
Ethylbenzene	ND	0.0250	1	03/18/22	03/20/22	
Toluene	ND	0.0250	1	03/18/22	03/20/22	
o-Xylene	ND	0.0250	1	03/18/22	03/20/22	
p,m-Xylene	ND	0.0500	1	03/18/22	03/20/22	
Total Xylenes	ND	0.0250	1	03/18/22	03/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.7 %	70-130	03/18/22	03/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2212081
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/22	03/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		100 %	70-130	03/18/22	03/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2213020
Diesel Range Organics (C10-C28)	ND	25.0	1	03/22/22	03/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/22/22	03/23/22	
<i>Surrogate: n-Nonane</i>		89.9 %	50-200	03/22/22	03/23/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2213005
Chloride	1580	200	10	03/21/22	03/21/22	



## Sample Data

EOG Resources  
104 South 4th Street  
Artesia NM, 88210

Project Name: Dazed Federal #2  
Project Number: 19034-0008  
Project Manager: Felipe Aragon

Reported:  
3/23/2022 3:01:13PM

CS - 14

E203098-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2212081
Benzene	ND	0.0250	1	03/18/22	03/20/22	
Ethylbenzene	ND	0.0250	1	03/18/22	03/20/22	
Toluene	ND	0.0250	1	03/18/22	03/20/22	
o-Xylene	ND	0.0250	1	03/18/22	03/20/22	
p,m-Xylene	ND	0.0500	1	03/18/22	03/20/22	
Total Xylenes	ND	0.0250	1	03/18/22	03/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.5 %	70-130	03/18/22	03/20/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY		Batch: 2212081
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/18/22	03/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.9 %	70-130	03/18/22	03/20/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL		Batch: 2213020
Diesel Range Organics (C10-C28)	ND	25.0	1	03/22/22	03/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/22/22	03/23/22	
<i>Surrogate: n-Nonane</i>		91.3 %	50-200	03/22/22	03/23/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2213005
Chloride	2500	400	20	03/21/22	03/21/22	



## QC Summary Data

EOG Resources	Project Name:	Dazed Federal #2	Reported:
104 South 4th Street	Project Number:	19034-0008	
Artesia NM, 88210	Project Manager:	Felipe Aragon	3/23/2022 3:01:13PM

### 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
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**Blank (2212081-BLK1)**

Prepared: 03/18/22 Analyzed: 03/20/22

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	7.46		8.00		93.2	70-130			

**LCS (2212081-BS1)**

Prepared: 03/18/22 Analyzed: 03/20/22

Benzene	3.80	0.0250	5.00		76.0	70-130			
Ethylbenzene	4.13	0.0250	5.00		82.6	70-130			
Toluene	4.18	0.0250	5.00		83.6	70-130			
o-Xylene	4.27	0.0250	5.00		85.5	70-130			
p,m-Xylene	8.40	0.0500	10.0		84.0	70-130			
Total Xylenes	12.7	0.0250	15.0		84.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

**Matrix Spike (2212081-MS1)**

Source: E203099-21

Prepared: 03/18/22 Analyzed: 03/20/22

Benzene	3.92	0.0250	5.00	ND	78.4	54-133			
Ethylbenzene	4.32	0.0250	5.00	ND	86.4	61-133			
Toluene	4.34	0.0250	5.00	ND	86.7	61-130			
o-Xylene	4.44	0.0250	5.00	ND	88.8	63-131			
p,m-Xylene	8.78	0.0500	10.0	ND	87.8	63-131			
Total Xylenes	13.2	0.0250	15.0	ND	88.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.8	70-130			

**Matrix Spike Dup (2212081-MSD1)**

Source: E203099-21

Prepared: 03/18/22 Analyzed: 03/20/22

Benzene	3.94	0.0250	5.00	ND	78.8	54-133	0.497	20	
Ethylbenzene	4.32	0.0250	5.00	ND	86.5	61-133	0.0995	20	
Toluene	4.35	0.0250	5.00	ND	86.9	61-130	0.215	20	
o-Xylene	4.46	0.0250	5.00	ND	89.1	63-131	0.377	20	
p,m-Xylene	8.78	0.0500	10.0	ND	87.8	63-131	0.0723	20	
Total Xylenes	13.2	0.0250	15.0	ND	88.2	63-131	0.0786	20	
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.8	70-130			



## QC Summary Data

EOG Resources	Project Name:	Dazed Federal #2	Reported:
104 South 4th Street	Project Number:	19034-0008	
Artesia NM, 88210	Project Manager:	Felipe Aragon	3/23/2022 3:01:13PM

### Nonhalogenated Organics by EPA 8015D - GRO

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 (2212081-BLK1)

Prepared: 03/18/22 Analyzed: 03/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		101	70-130			

#### LCS (2212081-BS2)

Prepared: 03/18/22 Analyzed: 03/20/22

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.18		8.00		102	70-130			

#### Matrix Spike (2212081-MS2)

Source: E203099-21

Prepared: 03/18/22 Analyzed: 03/20/22

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.22		8.00		103	70-130			

#### Matrix Spike Dup (2212081-MSD2)

Source: E203099-21

Prepared: 03/18/22 Analyzed: 03/20/22

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.7	70-130	0.111	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.15		8.00		102	70-130			



## QC Summary Data

EOG Resources	Project Name:	Dazed Federal #2	Reported:
104 South 4th Street	Project Number:	19034-0008	
Artesia NM, 88210	Project Manager:	Felipe Aragon	3/23/2022 3:01:13PM

### 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 (2213020-BLK1)

Prepared: 03/22/22 Analyzed: 03/22/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.1		50.0		88.3	50-200			

#### LCS (2213020-BS1)

Prepared: 03/22/22 Analyzed: 03/22/22

Diesel Range Organics (C10-C28)	460	25.0	500		92.0	38-132			
Surrogate: n-Nonane	43.7		50.0		87.3	50-200			

#### Matrix Spike (2213020-MS1)

Source: E203099-23

Prepared: 03/22/22 Analyzed: 03/22/22

Diesel Range Organics (C10-C28)	472	25.0	500	ND	94.4	38-132			
Surrogate: n-Nonane	43.5		50.0		87.0	50-200			

#### Matrix Spike Dup (2213020-MSD1)

Source: E203099-23

Prepared: 03/22/22 Analyzed: 03/22/22

Diesel Range Organics (C10-C28)	472	25.0	500	ND	94.4	38-132	0.0266	20	
Surrogate: n-Nonane	44.4		50.0		88.8	50-200			



## QC Summary Data

EOG Resources	Project Name:	Dazed Federal #2	Reported:
104 South 4th Street	Project Number:	19034-0008	
Artesia NM, 88210	Project Manager:	Felipe Aragon	3/23/2022 3:01:13PM

### Anions by EPA 300.0/9056A

Analyst: RAS

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 (2213005-BLK1)

Prepared: 03/21/22 Analyzed: 03/21/22

Chloride	ND	20.0							
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#### LCS (2213005-BS1)

Prepared: 03/21/22 Analyzed: 03/21/22

Chloride	252	20.0	250		101	90-110			
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#### LCS Dup (2213005-BSD1)

Prepared: 03/21/22 Analyzed: 03/21/22

Chloride	255	20.0	250		102	90-110	1.22	20	
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#### 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

EOG Resources	Project Name:	Dazed Federal #2	
104 South 4th Street	Project Number:	19034-0008	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Felipe Aragon	03/23/22 15:01

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.



Client: <u>POG</u>				Bill To				Lab Use Only				TAT				EPA Program			
Project: <u>David Federal #2</u>				Attention:				Lab WO# <u>F203098</u>				1D 2D 3D				CWA SDWA			
Project Manager: <u>F. Lopez</u>				Address:				Job Number <u>190341-0006</u>											
Address:				City, State, Zip				Analysis and Method											
City, State, Zip				Phone:				DRO/ORO by 8015								RCRA			
Phone:				Email:				GRO/DRO by 8015								State			
Report due by: <u>T. Knight</u>				Sample ID				BTEX by 8021								NM CO UT AZ TX			
				No. of Containers				VOC by 8260								Remarks			
Time Sampled				Matrix				Metals 6010											
8:19				S				2				CS-10				1			
8:25				S				2				CS-11				2			
8:31				S				2				CS-12				3			
8:37				S				2				CS-13				4			
8:43				S				2				CS-14				5			
Additional Instructions:																			

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

Relinquished by: (Signature) [Signature] Date 3/15/2022 Time 10:52

Relinquished by: (Signature) [Signature] Date 3/15/22 Time 17:00

Relinquished by: (Signature) [Signature] Date 3/15/2022 Time 17:00

Received by: (Signature) [Signature] Date 3-15-22 Time 10:53

Received by: (Signature) [Signature] Date 3/16/22 Time 7:30

Received by: (Signature) [Signature] Date 3/16/22 Time 7:30

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

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

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

Printed: 3/16/2022 8:26:24AM

## 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:	EOG Resources	Date Received:	03/16/22 07:30	Work Order ID:	E203098
Phone:	(575) 748-4217	Date Logged In:	03/16/22 08:22	Logged In By:	Caitlin Christian
Email:	faragon@envirotech-inc.com	Due Date:	03/22/22 17:00 (4 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

Carrier: Courier

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

### 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°C±2°C Yes
- Note: Thermal preservation is not required, if samples are received w/i 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.

Report to:  
Brittany Hall



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### EOG Resources

Project Name: Dazed Federal #2

Work Order: E204089

Job Number: 19034-0008

Received: 4/15/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/20/22

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: 4/20/22

Brittany Hall  
104 South 4th Street  
Artesia, NM 88210



Project Name: Dazed Federal #2  
Workorder: E204089  
Date Received: 4/15/2022 1:24:00PM

Brittany Hall,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/15/2022 1:24:00PM, under the Project Name: Dazed Federal #2.

The analytical test results summarized in this report with the Project Name: Dazed Federal #2 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**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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**Alexa Michaels**  
Sample Custody Officer  
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Field Offices:

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Dazed Federal #2 Project Number: 19034-0008 Project Manager: Brittany Hall	Reported: 04/20/22 15:52
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS - 23	E204089-01A	Soil	04/14/22	04/15/22	Glass Jar, 4 oz.
	E204089-01B	Soil	04/14/22	04/15/22	Glass Jar, 4 oz.
CS - 24	E204089-02A	Soil	04/14/22	04/15/22	Glass Jar, 4 oz.
	E204089-02B	Soil	04/14/22	04/15/22	Glass Jar, 4 oz.
CS - 25	E204089-03A	Soil	04/14/22	04/15/22	Glass Jar, 4 oz.
	E204089-03B	Soil	04/14/22	04/15/22	Glass Jar, 4 oz.
CS - 26	E204089-04A	Soil	04/14/22	04/15/22	Glass Jar, 4 oz.
	E204089-04B	Soil	04/14/22	04/15/22	Glass Jar, 4 oz.
CS - 27	E204089-05A	Soil	04/14/22	04/15/22	Glass Jar, 4 oz.
	E204089-05B	Soil	04/14/22	04/15/22	Glass Jar, 4 oz.



## Sample Data

EOG Resources  
104 South 4th Street  
Artesia NM, 88210

Project Name: Dazed Federal #2  
Project Number: 19034-0008  
Project Manager: Brittany Hall

Reported:  
4/20/2022 3:52:24PM

CS - 23

E204089-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatiles by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2217002
Benzene	ND	0.0250	1	04/19/22	04/19/22	
Ethylbenzene	ND	0.0250	1	04/19/22	04/19/22	
Toluene	0.0768	0.0250	1	04/19/22	04/19/22	
o-Xylene	ND	0.0250	1	04/19/22	04/19/22	
p,m-Xylene	ND	0.0500	1	04/19/22	04/19/22	
Total Xylenes	ND	0.0250	1	04/19/22	04/19/22	
Surrogate: 4-Bromochlorobenzene-PID	98.2 %	70-130		04/19/22	04/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2217002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/19/22	04/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.0 %	70-130		04/19/22	04/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2217007
Diesel Range Organics (C10-C28)	ND	25.0	1	04/19/22	04/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/19/22	04/19/22	
Surrogate: n-Nonane	86.7 %	50-200		04/19/22	04/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: CS		Batch: 2217004
Chloride	367	200	10	04/19/22	04/19/22	



## Sample Data

EOG Resources  
104 South 4th Street  
Artesia NM, 88210

Project Name: Dazed Federal #2  
Project Number: 19034-0008  
Project Manager: Brittany Hall

Reported:  
4/20/2022 3:52:24PM

CS - 24

E204089-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2217002
Benzene	ND	0.0250	1	04/19/22	04/19/22	
Ethylbenzene	ND	0.0250	1	04/19/22	04/19/22	
Toluene	ND	0.0250	1	04/19/22	04/19/22	
o-Xylene	ND	0.0250	1	04/19/22	04/19/22	
p,m-Xylene	ND	0.0500	1	04/19/22	04/19/22	
Total Xylenes	ND	0.0250	1	04/19/22	04/19/22	
Surrogate: 4-Bromochlorobenzene-PID	99.0 %	70-130		04/19/22	04/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2217002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/19/22	04/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.9 %	70-130		04/19/22	04/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2217007
Diesel Range Organics (C10-C28)	ND	25.0	1	04/19/22	04/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/19/22	04/19/22	
Surrogate: n-Nonane	91.3 %	50-200		04/19/22	04/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: CS		Batch: 2217004
Chloride	260	200	10	04/19/22	04/19/22	



## Sample Data

EOG Resources  
104 South 4th Street  
Artesia NM, 88210

Project Name: Dazed Federal #2  
Project Number: 19034-0008  
Project Manager: Brittany Hall

**Reported:**  
4/20/2022 3:52:24PM

CS - 25

E204089-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2217002
Benzene	ND	0.0250	1	04/19/22	04/19/22	
Ethylbenzene	ND	0.0250	1	04/19/22	04/19/22	
Toluene	ND	0.0250	1	04/19/22	04/19/22	
o-Xylene	ND	0.0250	1	04/19/22	04/19/22	
p,m-Xylene	ND	0.0500	1	04/19/22	04/19/22	
Total Xylenes	ND	0.0250	1	04/19/22	04/19/22	
Surrogate: 4-Bromochlorobenzene-PID	97.9 %	70-130		04/19/22	04/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2217002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/19/22	04/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.3 %	70-130		04/19/22	04/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2217007
Diesel Range Organics (C10-C28)	ND	25.0	1	04/19/22	04/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/19/22	04/19/22	
Surrogate: n-Nonane	88.9 %	50-200		04/19/22	04/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: CS		Batch: 2217004
Chloride	271	200	10	04/19/22	04/19/22	



## Sample Data

EOG Resources  
104 South 4th Street  
Artesia NM, 88210

Project Name: Dazed Federal #2  
Project Number: 19034-0008  
Project Manager: Brittany Hall

Reported:  
4/20/2022 3:52:24PM

CS - 26

E204089-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2217002
Benzene	ND	0.0250	1	04/19/22	04/19/22	
Ethylbenzene	ND	0.0250	1	04/19/22	04/19/22	
Toluene	ND	0.0250	1	04/19/22	04/19/22	
o-Xylene	ND	0.0250	1	04/19/22	04/19/22	
p,m-Xylene	ND	0.0500	1	04/19/22	04/19/22	
Total Xylenes	ND	0.0250	1	04/19/22	04/19/22	
Surrogate: 4-Bromochlorobenzene-PID	98.5 %	70-130		04/19/22	04/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2217002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/19/22	04/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.9 %	70-130		04/19/22	04/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2217007
Diesel Range Organics (C10-C28)	ND	25.0	1	04/19/22	04/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/19/22	04/19/22	
Surrogate: n-Nonane	93.0 %	50-200		04/19/22	04/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: CS		Batch: 2217004
Chloride	325	200	10	04/19/22	04/19/22	



## Sample Data

EOG Resources  
104 South 4th Street  
Artesia NM, 88210

Project Name: Dazed Federal #2  
Project Number: 19034-0008  
Project Manager: Brittany Hall

**Reported:**  
4/20/2022 3:52:24PM

CS - 27

E204089-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2217002
Benzene	ND	0.0250	1	04/19/22	04/19/22	
Ethylbenzene	ND	0.0250	1	04/19/22	04/19/22	
Toluene	ND	0.0250	1	04/19/22	04/19/22	
o-Xylene	ND	0.0250	1	04/19/22	04/19/22	
p,m-Xylene	ND	0.0500	1	04/19/22	04/19/22	
Total Xylenes	ND	0.0250	1	04/19/22	04/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.2 %	70-130	04/19/22	04/19/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2217002
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/19/22	04/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	04/19/22	04/19/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2217007
Diesel Range Organics (C10-C28)	ND	25.0	1	04/19/22	04/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/19/22	04/19/22	
<i>Surrogate: n-Nonane</i>						
		95.8 %	50-200	04/19/22	04/19/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: CS		Batch: 2217004
Chloride	281	20.0	1	04/19/22	04/19/22	



## QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Dazed Federal #2 Project Number: 19034-0008 Project Manager: Brittany Hall	Reported: 4/20/2022 3:52:24PM
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### 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
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#### Blank (2217002-BLK1)

Prepared: 04/19/22 Analyzed: 04/20/22

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	7.71		8.00		96.4	70-130			

#### LCS (2217002-BS1)

Prepared: 04/19/22 Analyzed: 04/19/22

Benzene	4.74	0.0250	5.00		94.9	70-130			
Ethylbenzene	4.56	0.0250	5.00		91.2	70-130			
Toluene	4.75	0.0250	5.00		95.0	70-130			
o-Xylene	4.77	0.0250	5.00		95.4	70-130			
p,m-Xylene	9.40	0.0500	10.0		94.0	70-130			
Total Xylenes	14.2	0.0250	15.0		94.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.41		8.00		105	70-130			

#### LCS Dup (2217002-BSD1)

Prepared: 04/19/22 Analyzed: 04/19/22

Benzene	4.93	0.0250	5.00		98.5	70-130	3.76	20	
Ethylbenzene	4.71	0.0250	5.00		94.2	70-130	3.18	20	
Toluene	4.92	0.0250	5.00		98.5	70-130	3.54	20	
o-Xylene	4.92	0.0250	5.00		98.4	70-130	3.13	20	
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130	3.12	20	
Total Xylenes	14.6	0.0250	15.0		97.5	70-130	3.12	20	
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			



## QC Summary Data

EOG Resources	Project Name:	Dazed Federal #2	Reported:
104 South 4th Street	Project Number:	19034-0008	
Artesia NM, 88210	Project Manager:	Brittany Hall	4/20/2022 3:52:24PM

### Nonhalogenated Organics by EPA 8015D - GRO

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 (2217002-BLK1)

Prepared: 04/19/22 Analyzed: 04/20/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.2	70-130			

#### LCS (2217002-BS2)

Prepared: 04/19/22 Analyzed: 04/20/22

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			

#### LCS Dup (2217002-BSD2)

Prepared: 04/19/22 Analyzed: 04/20/22

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130	9.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		89.0	70-130			



## QC Summary Data

EOG Resources	Project Name:	Dazed Federal #2	Reported:
104 South 4th Street	Project Number:	19034-0008	
Artesia NM, 88210	Project Manager:	Brittany Hall	4/20/2022 3:52:24PM

### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AK

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 (2217007-BLK1)**

Prepared: 04/19/22 Analyzed: 04/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			

**LCS (2217007-BS1)**

Prepared: 04/19/22 Analyzed: 04/19/22

Diesel Range Organics (C10-C28)	491	25.0	500		98.2	38-132			
Surrogate: n-Nonane	46.9		50.0		93.9	50-200			

**Matrix Spike (2217007-MS1)**

Source: E204089-02

Prepared: 04/19/22 Analyzed: 04/19/22

Diesel Range Organics (C10-C28)	479	25.0	500	ND	95.8	38-132			
Surrogate: n-Nonane	44.7		50.0		89.5	50-200			

**Matrix Spike Dup (2217007-MSD1)**

Source: E204089-02

Prepared: 04/19/22 Analyzed: 04/19/22

Diesel Range Organics (C10-C28)	487	25.0	500	ND	97.4	38-132	1.69	20	
Surrogate: n-Nonane	47.2		50.0		94.4	50-200			



## QC Summary Data

EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Dazed Federal #2 Project Number: 19034-0008 Project Manager: Brittany Hall	Reported: 4/20/2022 3:52:24PM
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### Anions by EPA 300.0/9056A

Analyst: CS

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 (2217004-BLK1)

Prepared: 04/19/22 Analyzed: 04/19/22

Chloride	ND	20.0
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#### LCS (2217004-BS1)

Prepared: 04/19/22 Analyzed: 04/19/22

Chloride	247	20.0	250	98.8	90-110
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#### Matrix Spike (2217004-MS1)

Source: E204083-01

Prepared: 04/19/22 Analyzed: 04/19/22

Chloride	298	20.0	250	48.8	99.8	80-120
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#### Matrix Spike Dup (2217004-MSD1)

Source: E204083-01

Prepared: 04/19/22 Analyzed: 04/19/22

Chloride	300	20.0	250	48.8	101	80-120	0.755	20
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#### 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

EOG Resources	Project Name:	Dazed Federal #2	
104 South 4th Street	Project Number:	19034-0008	Reported:
Artesia NM, 88210	Project Manager:	Brittany Hall	04/20/22 15:52

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.





# Envirotech Analytical Laboratory

Printed: 4/15/2022 1:55:57PM

## 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:	EOG Resources	Date Received:	04/15/22 13:24	Work Order ID:	E204089
Phone:	(575) 748-4217	Date Logged In:	04/15/22 13:45	Logged In By:	Alexa Michaels
Email:	bhall@envirotech-inc.com	Due Date:	04/22/22 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: Isaac Garcia

### 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/i 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? Yes
22. Are sample(s) correctly preserved? No
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

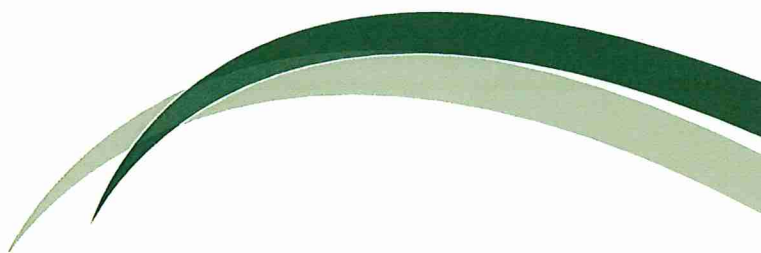
Signature of client authorizing changes to the COC or sample disposition.

Date

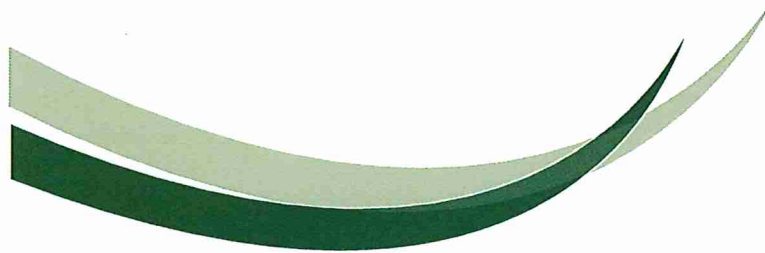


envirotech Inc.

## Appendix E



### *Regulatory Correspondence*



Practical Solutions for a Better Tomorrow

**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**

QUESTIONS

Action 75839

## QUESTIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377 Action Number: 75839 Action Type: [NOTIFY] Notification Of Release (NOR)
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## QUESTIONS

<b>Location of Release Source</b> <i>Please answer all of the questions in this group.</i>	
Site Name	Dazed BDZ Federal Com #2
Date Release Discovered	01/25/2022
Surface Owner	Federal

<b>Incident Details</b> <i>Please answer all of the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b> <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other   Unknown   Produced Water   Released: 0 BBL (Unknown Released Amount)   Recovered: 0 BBL   Lost: 0 BBL
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	While decommissioning the P&A'd location, areas on well pad showed signs of soils impacted from produced water (approximate areas, 10' X 15', 12' X 21' & 21' X 70').

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 75839

**QUESTIONS (continued)**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 75839
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by 19.15.29.7(A) NMAC	Yes, major release.
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none"> <li>Unauthorized release of an unknown volume (TBD), excluding gases, of 25 barrels or more</li> </ul>
If YES, was immediate notice given to the OCD, by whom	Not answered.
If YES, was immediate notice given to the OCD, to whom	Not answered.
If YES, was immediate notice given to the OCD, when	Not answered.
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Not answered.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
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 prepare and attach a narrative of actions to date in the follow-up C-141 submission. 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 prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

ACKNOWLEDGMENTS

Action 75839

## ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:	7377
	Action Number:	75839
	Action Type:	[NOTIFY] Notification Of Release (NOR)

## ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 75839

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 75839
	Action Type: [NOTIFY] Notification Of Release (NOR)

**CONDITIONS**

Created By	Condition	Condition Date
ymoore	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/27/2022

**Bob Asher**

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**From:** Miriam Morales  
**Sent:** Tuesday, April 12, 2022 5:05 PM  
**To:** Robert.Hamlet@state.nm.us  
**Cc:** Artesia Regulatory; Artesia S&E Spill Remediation  
**Subject:** Dazed BDZ Federal Com #2 (nAPP2202733281) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Dazed BDZ Federal Com #2  
30-015-33428  
Section 3, 21S-24E  
Eddy County, NM  
nAPP2202733281

Sampling will begin at 4:00 p.m. on Thursday, April 14, 2022.

Thank you,

*Miriam Morales*

**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 111335

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 111335
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2202733281 DAZED BDZ FEDERAL COM #2, thank you. This closure is approved.	9/8/2022