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	nVF1900749627
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	DJR Operating LLC	OGRID	371838
Contact Name	Amy Archuleta	Contact Telephone	505-632-3476 x201
Contact email	aarchuleta@djrllc.com	Incident # *(assigned by OCD)*	
Contact mailing address	1 Road 6263 Aztec, NM, 87410		nVF1900749627

Location of Release Source

Latitude 36.3694496 Longitude -108.0731201
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Dodd Geiger #1	Site Type	Oil Well
Date Release Discovered	December 11, 2018	API# *(if applicable)*	30-045-27234

Unit Letter	Section	Township	Range	County
I	26	25N	12W	San Juan

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 7 bbls	Volume Recovered (bbls) 7 bbls
☒ Produced Water	Volume Released (bbls) unknown	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

BGT area showed signs of contamination. After the report of the BGT release, the homestead occupant, that is approximately 600' from this location, was upset about the crews being on location. We believe it was the occupant that opened the valves. He left an arrow in the ground as a marker. Vandalism at the site also resulted in a release from the separator.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Amy Archuleta Title: Regulatory

Signature: [signature] Date: 1/22/19

email: aarchuleta@djrllc.com Telephone: 505-632-3476

OCD Only

Received by: OCD Date: 7/23/19

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: [signature] Date: 8/5/19

Printed Name: Cory Title: Environmental Specalist

January 15, 2019

Amy Archuleta
Regulatory Supervisor
DJR Operating, LLC
1 Road 3263
Aztec, New Mexico 87410-9521

Sent via electronic mail to:
aarchuleta@djrllc.com

RE: Below Grade Tank and Separator Release Closure Report
Dodd Geiger #1
API #3004527234
Incident No. NVF 1900749627
San Juan County, New Mexico

Dear Ms. Archuleta:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure and subsequent confirmed release at the DJR Operating (DJR) Dodd Geiger #1, located in San Juan County, New Mexico. Tank removal had been completed by DJR contractors prior to AES' arrival at the location. Additionally, this report includes the release excavation clearance of the separator at the subject site. The separator had been vandalized which resulted in a minor release.

1.0 Site Information

1.1 Location

Site Name – Dodd Geiger #1
API# – 3004527234
Legal Description – NE¼ SE¼, Section 26, T25N, R12W, San Juan County, New Mexico
Well Latitude/Longitude – N36.36942 and W108.07279, respectively
BGT Latitude/Longitude – N36.36940 and W108.07279, respectively
Separator Latitude/Longitude – N36.36952 and W108.07283, respectively
Land Jurisdiction – Navajo Nation Tribal Trust Lands

604 W. Piñon St.
Farmington, NM 87401
505-564-2281

1911 Main, Ste 206
Durango, CO 81301
970-403-3084

animasenvironmental.com

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, December 2018
Figure 3. Excavation Sample Locations and Results, December 2018

1.2 NMOCD Ranking

Navajo Nation Environmental Protection Agency (NNEPA) adheres to action levels for releases and spills as established by the New Mexico Oil Conservation Division (NMOCD). In accordance with New Mexico Administrative Code (NMAC) 19.15.29.12 Table I (August 2018), release closure criteria are based on the minimum depth to groundwater within the horizontal extent of the release area:

- **Depth to Groundwater:** Prior to site work, the NMOCD and New Mexico Office of the State Engineer (NMOSE) databases were reviewed, and depth to groundwater information could not be located for this site. AES personnel further assessed the depth to water determination using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance. Based on this information the depth to groundwater is interpreted to between 50 to 100 feet below ground surface (bgs).
- **Sensitive Receptor Determination:** The site is not within any of the areas listed within NMAC 19.15.29.12C.4, where releases must be treated as if they occur less than 50 feet bgs to groundwater.

Action levels are:

- 10 mg/kg benzene and 50 mg/kg total benzene, toluene, ethylbenzene, and xylene (BTEX);
- 2,500 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO);
- 1,000 mg/kg TPH as GRO and DRO; and
- 10,000 mg/kg chloride.

2.0 Soil Sampling

AES was initially contacted by Amy Archuleta of DJR on December 11, 2018, regarding the BGT closure and visible contamination observed under the BGT. Additionally, on December 18, 2018, AES was contacted by DJR regarding vandalism at the site that resulted in a release from the separator. On December 21, 2018, Sheradan Jaquez and Greg Broome of AES mobilized to the location. AES personnel collected five 5-point soil composite samples for the BGT excavation (SC-1 through SC-5). Samples were collected from each of the walls and the base of the BGT excavation (22 feet by 27 feet by 10 feet

deep). Two additional 5-point soil composite samples (SC-6 and SC-7) were collected from the separator surficial excavation (36 feet by 30 feet).

2.2 *Laboratory Analyses*

Soil sample SC-1 through SC-7 were laboratory analyzed for:

- BTEX per USEPA Method 8021B;
- TPH for GRO, DRO, MRO per USEPA Method 8015M/D; and
- Chloride per USEPA Method 300.0.

2.3 *Laboratory Analytical Results*

Laboratory analytical results are summarized in Table 1 and presented on Figure 3. The AES Field Sampling Report and the laboratory analytical report are attached.

Table 1. Soil Laboratory Analytical Results
Dodd Geiger #1 BGT and Separator Release Excavation Closure, December 2018

Sample ID	*Date Sampled*	*Depth (ft)*	*Benzene (8021) (mg/kg)*	*Total BTEX (8021) (mg/kg)*	*TPH-GRO (8015) (mg/kg)*	*TPH – DRO (8015) (mg/kg)*	*TPH – MRO (8015) (mg/kg)*	*Chloride (300.0) (mg/kg)*
NMOCD Action Level (NMAC 19.15.29.12 Table 1)			*10*	*50*		*1,000/2,500*		*10,000*
SC-1	12/21/18	2-8	<0.1	<0.1	<20.0	<25.0	<50.0	239
SC-2	12/21/18	2-8	<0.1	<0.1	<20.0	<25.0	<50.0	34.7
SC-3	12/21/18	2-8	<0.1	<0.1	<20.0	<25.0	<50.0	117
SC-4	12/21/18	2-8	<0.1	<0.1	<20.0	47.4	109	88.2
SC-5	12/21/18	10	<0.1	<0.1	<20.0	36.8	<50.0	172
SC-6	12/21/18	0	<0.1	<0.1	<20.0	215	234	545
SC-7	12/21/18	0	<0.1	<0.1	<20.0	<25.0	<50.0	<20.0

3.0 Conclusions and Recommendations

On December 21, 2018, final clearance of the excavations was completed. Laboratory analytical results of the excavation extents reported benzene, total BTEX, TPH (as GRO/DRO and GRO/DRO/MRO), and chloride concentrations in all samples as below NMOCD action levels.

The surficial excavation of the separator was re-graded, and the BGT excavation was backfilled with clean soil on January 14, 2019. The well location remains in use and a new aboveground waste tank was installed in the same location as the former BGT; therefore, reseeding was not necessary. No further work is recommended.

If you have any questions about this report or site conditions, please do not hesitate to contact Tami Knight, Project Lead, or Elizabeth McNally at (505) 564-2281.

Sincerely,

David J. Reese
Environmental Scientist

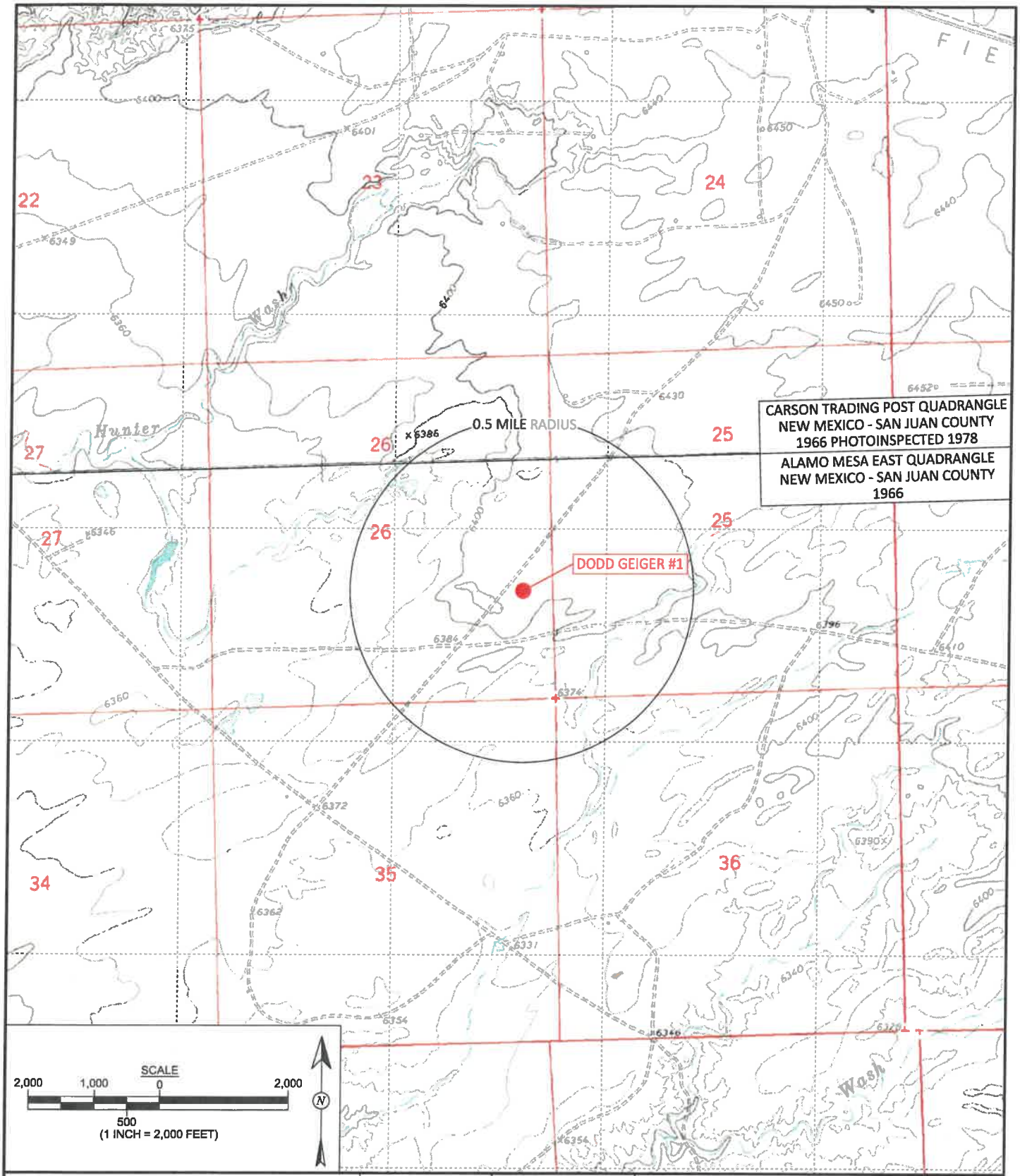
Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, December 2018
Figure 3. Excavation Sample Locations and Results, December 2018
C-141 Form
Photograph Log
Envirotech Analytical Report 17035-0028

R:\Animas 2000\Dropbox (Animas Environmental)\0000 AES Server Client Projects Dropbox\2018 Client Projects\DJ Resources\Dodd Geiger 1\Report\Release Excavation Closure Report 011519 EM.docx

Attachments



DRAWN BY: C. Lameman	**DATE DRAWN:** December 18, 2018	**FIGURE 1**
REVISIONS BY: C. Lameman	**DATE REVISED:** January 11, 2019	**TOPOGRAPHIC SITE LOCATION MAP**
CHECKED BY: T. Knight	**DATE CHECKED:** January 11, 2019	DJR OPERATING DODD GEIGER #1 API: 30-045-27234 INCIDENT NO: NVF 1900749627
APPROVED BY: E. McNally	**DATE APPROVED:** January 11, 2019	NE¼ SE¼, SECTION 26, T25N, R12W SAN JUAN COUNTY, NEW MEXICO N36.36942, W108.07279

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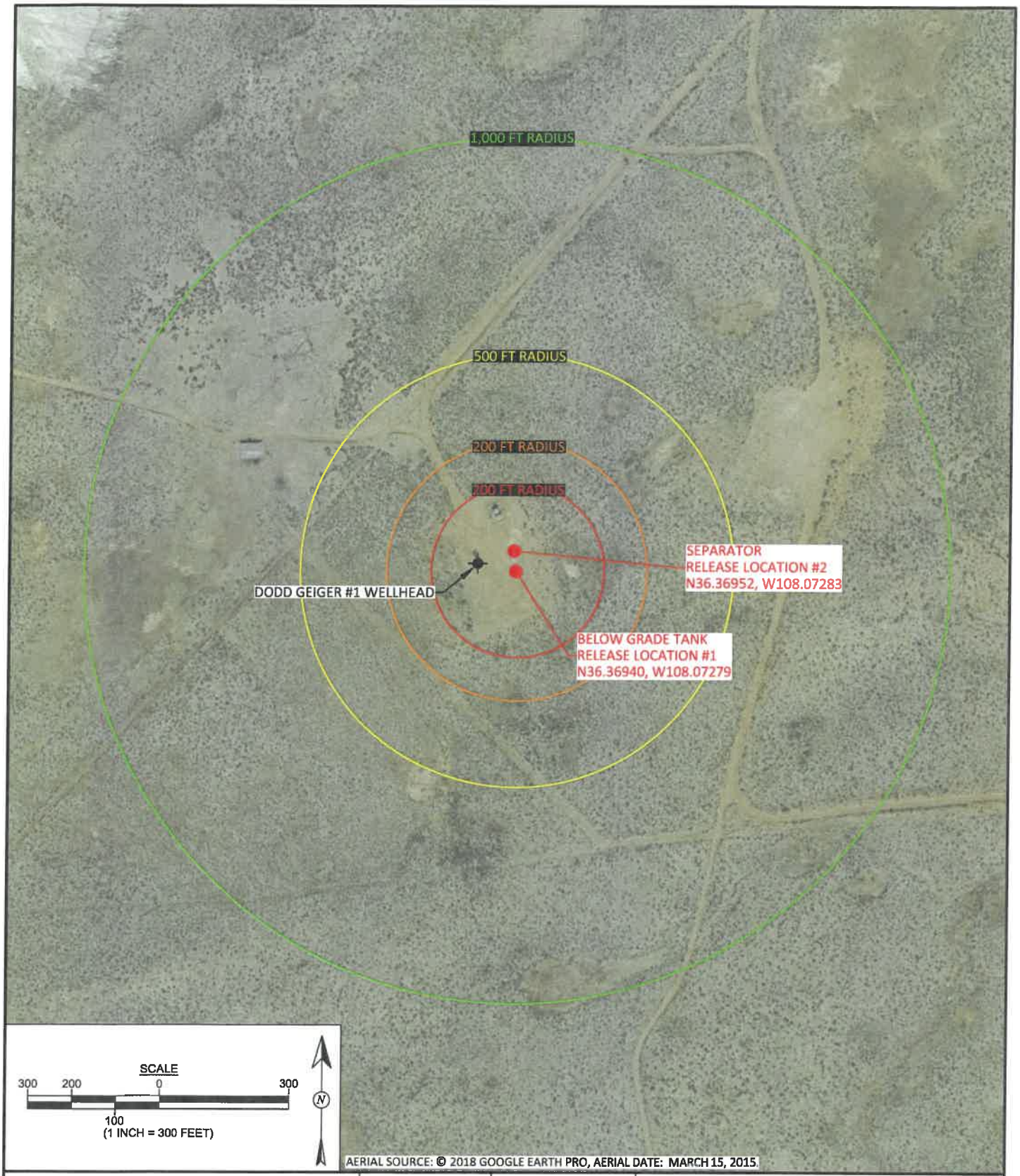
animasenvironmental.com



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DRAWN BY: C. Lameman	**DATE DRAWN:** December 18, 2018
REVISIONS BY: C. Lameman	**DATE REVISED:** January 11, 2019
CHECKED BY: T. Knight	**DATE CHECKED:** January 11, 2019
APPROVED BY: E. McNally	**DATE APPROVED:** January 11, 2019

FIGURE 2

AERIAL SITE LOCATION MAP
DJR OPERATING
DODD GEIGER #1
API: 30-045-27234
INCIDENT NO: NVF 1900749627
NE¼ SE¼, SECTION 26, T25N, R12W
SAN JUAN COUNTY, NEW MEXICO
N36.36942, W108.07279

Laboratory Analytical Results

Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - MRO (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL			10	50	1,000	2,500	–	10,000
RELEASE LOCATION #1								
SC-1	12/21/18	2 to 8	<0.100	<0.100	<20.0	<25.0	<50.0	239
SC-2	12/21/18	2 to 8	<0.100	<0.100	<20.0	<25.0	<50.0	34.7
SC-3	12/21/18	2 to 8	<0.100	<0.100	<20.0	<25.0	<50.0	117
SC-4	12/21/18	2 to 8	<0.100	<0.100	<20.0	47.4	109	88.2
SC-5	12/21/18	10	<0.100	<0.100	<20.0	36.8	<50.0	172
RELEASE LOCATION #2								
SC-6	12/21/18	Surface	<0.100	<0.100	<20.0	215	234	545
SC-7	12/21/18	Surface	<0.100	<0.100	<20.0	<25.0	<50.0	<20.0

ALL SAMPLES WERE LABORATORY ANALYZED PER USEPA METHOD 8021, 8015 AND 300.0.

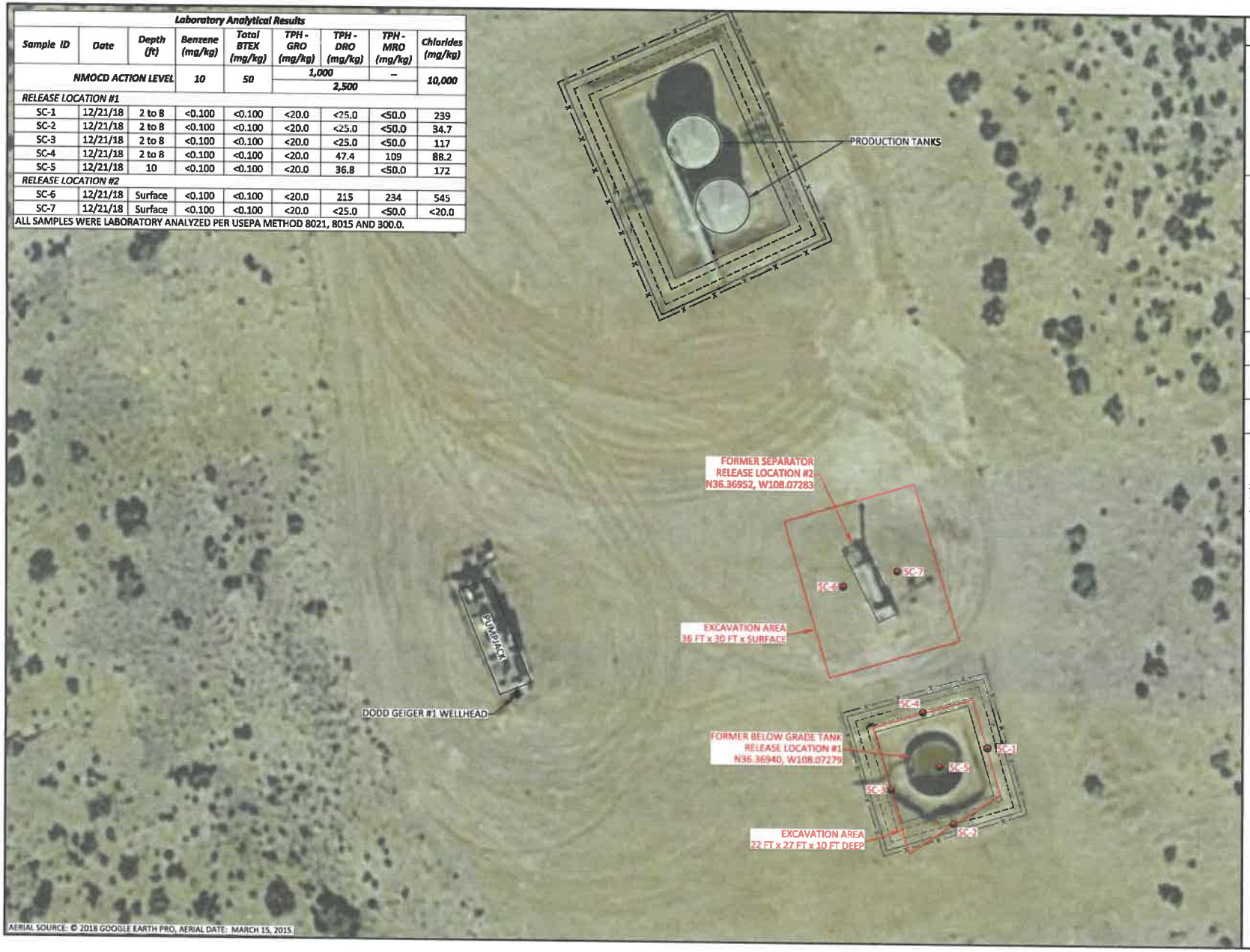

FIGURE 3

EXCAVATION SAMPLE LOCATIONS AND RESULTS DECEMBER 2018

DJR OPERATING
DODD GEIGER #1
API: 30-045-27234
INCIDENT NO: NVF 1900749627
NE¼ SE¼, SECTION 26, T25N, R12W
SAN JUAN COUNTY, NEW MEXICO
N36.36942, W108.07279

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DRAWN BY:	DATE DRAWN:
C. Lameman	January 11, 2019
REVISIONS BY:	**DATE REVISED:**
C. Lameman	January 11, 2019
CHECKED BY:	**DATE CHECKED:**
T. Knight	January 11, 2019
APPROVED BY:	**DATE APPROVED:**
E. McNally	January 11, 2019

LEGEND
- 5-POINT COMPOSITE SAMPLE LOCATIONS
- SECONDARY CONTAINMENT BERM
- —x— FENCE

N

SCALE
20 10 0 20
(1 INCH = 20 FEET)

DJR Operating, LLC
Dodd Geiger #1 BGT and Separator Release
Closure Photo Log

Photo 1: BGT excavation facing northeast. Photo taken December 21, 2018.

Photo 2: BGT excavation facing northwest towards the separator. Photo taken December 21, 2018.

DJR Operating, LLC
Dodd Geiger #1 BGT and Separator Release
Closure Photo Log

Photo 3: Looking east at BGT excavation. Photo taken December 21, 2018.

Photo 4: Looking southeast at the BGT excavation. Photo taken December 21, 2018.

DJR Operating, LLC
Dodd Geiger #1 BGT and Separator Release
Closure Photo Log

Photo 5: Excavation of surficial soils from separator release. Photo taken December 21, 2018.

Photo 6: Excavation of surficial soils from separator release. Photo taken December 21, 2018.

DJR Operating, LLC
Dodd Geiger #1 BGT and Separator Release
Closure Photo Log

Photo 7: New above ground tank installed in the same location of the former BGT. Photo taken January 14, 2019.

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Animas Environmental Services
Chain Of Custody Number:
Samples Received: 12/21/2018 1:12:00PM
Job Number: 17035-0028
Work Order: P812049
Project Name/Location: Dodd Gieger 1

Report Reviewed By: _____ Date: 1/9/19

Walter Hinchman, Laboratory Director

_____ Date: 1/9/19

Tim Cain, Project Manager

NELAP ACCREDITED TNI LABORATORY

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

envirotech
Analytical Laboratory

Animas Environmental Services	Project Name:	Dodd Gieger 1	
624 E. Comanche St.	Project Number:	17035-0028	**Reported:**
Farmington NM, 87401-6815	Project Manager:	Tami Knight	01/09/19 15:37

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-1	P812049-01A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-01B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
SC-2	P812049-02A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-02B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
SC-3	P812049-03A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-03B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
SC-4	P812049-04A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-04B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
SC-5	P812049-05A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-05B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
SC-6	P812049-06A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-06B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
SC-7	P812049-07A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-07B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.

envirotech
Analytical Laboratory

Animas Environmental Services	Project Name:	Dodd Gieger 1	
624 E. Comanche St.	Project Number:	17035-0028	**Reported:**
Farmington NM, 87401-6815	Project Manager:	Tami Knight	01/09/19 15:37

SC-1
P812049-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1901008	01/02/19	01/07/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1901008	01/02/19	01/07/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8015D*	
Surrogate: n-Nonane		*113 %*		*50-200*	*1901008*	*01/02/19*	*01/07/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**239**	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	

envirotech
Analytical Laboratory

Animas Environmental Services	Project Name:	Dodd Gieger 1	
624 E. Comanche St.	Project Number:	17035-0028	**Reported:**
Farmington NM, 87401-6815	Project Manager:	Tami Knight	01/09/19 15:37

SC-2
P812049-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8015D*	
Surrogate: n-Nonane		*113 %*		*50-200*	*1901008*	*01/02/19*	*01/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**34.7**	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	

envirotech
Analytical Laboratory

Animas Environmental Services	Project Name:	Dodd Gieger 1	
624 E. Comanche St.	Project Number:	17035-0028	**Reported:**
Farmington NM, 87401-6815	Project Manager:	Tami Knight	01/09/19 15:37

SC-3
P812049-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8015D*	
Surrogate: n-Nonane		*112 %*		*50-200*	*1901008*	*01/02/19*	*01/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**117**	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	

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Animas Environmental Services	Project Name:	Dodd Gieger 1	
624 E. Comanche St.	Project Number:	17035-0028	**Reported:**
Farmington NM, 87401-6815	Project Manager:	Tami Knight	01/09/19 15:37

SC-4
P812049-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	**47.4**	25.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Oil Range Organics (C28-C40+)	**109**	50.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*111 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8015D*	
Surrogate: n-Nonane		*114 %*		*50-200*	*1901008*	*01/02/19*	*01/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**88.2**	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	

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Analytical Laboratory

Animas Environmental Services	Project Name:	Dodd Gieger 1	
624 E. Comanche St.	Project Number:	17035-0028	**Reported:**
Farmington NM, 87401-6815	Project Manager:	Tami Knight	01/09/19 15:37

SC-5
P812049-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	**36.8**	25.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8015D*	
Surrogate: n-Nonane		*112 %*		*50-200*	*1901008*	*01/02/19*	*01/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**172**	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	

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Analytical Laboratory

Animas Environmental Services	Project Name:	Dodd Gieger 1	
624 E. Comanche St.	Project Number:	17035-0028	**Reported:**
Farmington NM, 87401-6815	Project Manager:	Tami Knight	01/09/19 15:37

SC-6
P812049-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	**215**	25.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Oil Range Organics (C28-C40+)	**234**	50.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8015D*	
Surrogate: n-Nonane		*124 %*		*50-200*	*1901008*	*01/02/19*	*01/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	**545**	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	

Animas Environmental Services	Project Name:	Dodd Gieger 1	
624 E. Comanche St.	Project Number:	17035-0028	**Reported:**
Farmington NM, 87401-6815	Project Manager:	Tami Knight	01/09/19 15:37

SC-7
P812049-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*		*50-150*	*1901002*	*01/02/19*	*01/03/19*	*EPA 8015D*	
Surrogate: n-Nonane		*113 %*		*50-200*	*1901008*	*01/02/19*	*01/08/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	

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Animas Environmental Services	Project Name:	Dodd Gieger 1	
624 E. Comanche St.	Project Number:	17035-0028	**Reported:**
Farmington NM, 87401-6815	Project Manager:	Tami Knight	01/09/19 15:37

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1901002 - Purge and Trap EPA 5030A										
Blank (1901002-BLK1)				Prepared: 01/02/19 0 Analyzed: 01/02/19 1						
Benzene	ND	100	ug/kg							
Toluene	ND	100	"							
Ethylbenzene	ND	100	"							
p,m-Xylene	ND	200	"							
o-Xylene	ND	100	"							
Total Xylenes	ND	100	"							
Total BTEX	ND	100	"							
Surrogate: 4-Bromochlorobenzene-PID	*8140*		"	*8000*		*102*	*50-150*			
LCS (1901002-BS1)				Prepared: 01/02/19 0 Analyzed: 01/02/19 2						
Benzene	4180	100	ug/kg	5000		83.6	70-130			
Toluene	4190	100	"	5000		83.8	70-130			
Ethylbenzene	4220	100	"	5000		84.3	70-130			
p,m-Xylene	8690	200	"	10000		86.9	70-130			
o-Xylene	4290	100	"	5000		85.7	70-130			
Total Xylenes	13000	100	"	15000		86.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8250*		"	*8000*		*103*	*50-150*			
Matrix Spike (1901002-MS1)	**Source: P812051-01**			Prepared: 01/02/19 0 Analyzed: 01/02/19 2						
Benzene	4920	100	ug/kg	5000	ND	98.5	54.3-133			
Toluene	4950	100	"	5000	ND	99.0	61.4-130			
Ethylbenzene	5000	100	"	5000	ND	100	61.4-133			
p,m-Xylene	10200	200	"	10000	ND	102	63.3-131			
o-Xylene	4970	100	"	5000	ND	99.3	63.3-131			
Total Xylenes	15200	100	"	15000	ND	101	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	*8230*		"	*8000*		*103*	*50-150*			
Matrix Spike Dup (1901002-MSD1)	**Source: P812051-01**			Prepared: 01/02/19 0 Analyzed: 01/02/19 2						
Benzene	5240	100	ug/kg	5000	ND	105	54.3-133	6.21	20	
Toluene	5240	100	"	5000	ND	105	61.4-130	5.71	20	
Ethylbenzene	5280	100	"	5000	ND	106	61.4-133	5.55	20	
p,m-Xylene	10800	200	"	10000	ND	108	63.3-131	5.45	20	
o-Xylene	5240	100	"	5000	ND	105	63.3-131	5.32	20	
Total Xylenes	16000	100	"	15000	ND	107	63.3-131	5.41	20	
Surrogate: 4-Bromochlorobenzene-PID	*8210*		"	*8000*		*103*	*50-150*			

Animas Environmental Services	Project Name:	Dodd Gieger 1	
624 E. Comanche St.	Project Number:	17035-0028	**Reported:**
Farmington NM, 87401-6815	Project Manager:	Tami Knight	01/09/19 15:37

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1901002 - Purge and Trap EPA 5030A										
Blank (1901002-BLK1)				Prepared: 01/02/19 0 Analyzed: 01/02/19 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.77*		"	*8.00*		*110*	*50-150*			
LCS (1901002-BS2)				Prepared: 01/02/19 0 Analyzed: 01/02/19 2						
Gasoline Range Organics (C6-C10)	43.1	20.0	mg/kg	50.0		86.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*9.12*		"	*8.00*		*114*	*50-150*			
Matrix Spike (1901002-MS2)	**Source: P812051-01**			Prepared: 01/02/19 0 Analyzed: 01/02/19 2						
Gasoline Range Organics (C6-C10)	44.2	20.0	mg/kg	50.0	ND	88.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.71*		"	*8.00*		*109*	*50-150*			
Matrix Spike Dup (1901002-MSD2)	**Source: P812051-01**			Prepared: 01/02/19 0 Analyzed: 01/02/19 2						
Gasoline Range Organics (C6-C10)	48.8	20.0	mg/kg	50.0	ND	97.6	70-130	9.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.83*		"	*8.00*		*110*	*50-150*			

Animas Environmental Services	Project Name:	Dodd Gieger 1	
624 E. Comanche St.	Project Number:	17035-0028	**Reported:**
Farmington NM, 87401-6815	Project Manager:	Tami Knight	01/09/19 15:37

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1901008 - DRO Extraction EPA 3570										
Blank (1901008-BLK1)				Prepared: 01/02/19 1 Analyzed: 01/08/19 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	*65.0*		"	*50.0*		*130*	*50-200*			
LCS (1901008-BS1)				Prepared: 01/02/19 1 Analyzed: 01/07/19 2						
Diesel Range Organics (C10-C28)	460	25.0	mg/kg	500		92.1	38-132			
Surrogate: n-Nonane	*56.9*		"	*50.0*		*114*	*50-200*			
Matrix Spike (1901008-MS1)	**Source: P812047-01**			Prepared: 01/02/19 1 Analyzed: 01/07/19 2						
Diesel Range Organics (C10-C28)	424	25.0	mg/kg	500	ND	84.7	38-132			
Surrogate: n-Nonane	*55.8*		"	*50.0*		*112*	*50-200*			
Matrix Spike Dup (1901008-MSD1)	**Source: P812047-01**			Prepared: 01/02/19 1 Analyzed: 01/07/19 2						
Diesel Range Organics (C10-C28)	431	25.0	mg/kg	500	ND	86.1	38-132	1.66	20	
Surrogate: n-Nonane	*55.9*		"	*50.0*		*112*	*50-200*			

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Animas Environmental Services	Project Name:	Dodd Gieger 1	
624 E. Comanche St.	Project Number:	17035-0028	**Reported:**
Farmington NM, 87401-6815	Project Manager:	Tami Knight	01/09/19 15:37

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1901006 - Anion Extraction EPA 300.0/9056A										
Blank (1901006-BLK1)				Prepared & Analyzed: 01/02/19 1						
Chloride	ND	20.0	mg/kg							
LCS (1901006-BS1)				Prepared & Analyzed: 01/02/19 1						
Chloride	254	20.0	mg/kg	250		102	90-110			
Matrix Spike (1901006-MS1)	**Source: P812049-01**			Prepared & Analyzed: 01/02/19 1						
Chloride	471	20.0	mg/kg	250	239	92.8	80-120			
Matrix Spike Dup (1901006-MSD1)	**Source: P812049-01**			Prepared & Analyzed: 01/02/19 1						
Chloride	515	20.0	mg/kg	250	239	110	80-120	8.83	20	

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Animas Environmental Services	Project Name:	Dodd Gieger 1	
624 E. Comanche St.	Project Number:	17035-0028	**Reported:**
Farmington NM, 87401-6815	Project Manager:	Tami Knight	01/09/19 15:37

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Project Information

Chain of Custody

Page 1 of

Page 15 of 15

Client: AES	
Project: Dodd Gieger 1	
Project Manager: Tami Kinight	
Address: 604 W. Pinon	
City, State, Zip: Farmington, NM 87401	
Phone:505-564-2281	
Email:tknight@animasenvironmental.com	

Report Attention

Bill To DJR	
Attention: Amy Archuleta	
Address: 1Road 3263	
City, State, Zip: Aztec, NM 87410	
Phone:505-632-3476	
Email: aarchuleta@djrllc.com	

Lab Use Only

Lab WO# P812049

Job Number 17035-0026

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | A

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1					NM	CO	UT	A	Remarks
10:29	12-21-18	Soil	2	SC-1	1	X	X	X			X						X				
10:31		Soil	2	SC-2	2	X	X	X			X										
10:32			2	SC-3	3	X	X	X			X										
10:34				SC-4	4	X	X	X			X										
10:33				SC-5	5	X	X	X			X										
10:49				SC-6	6	X	X	X			X										
10:50				SC-7	7	X	X	X			X										

Additional Instructions: VOS Ice in Cooler

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12-21-18	1373:12		12/21/18	13:12
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech Analytical Laboratory

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Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879

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