

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	NCS1917850726
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party DJR Operating, L.L.C	OGRID 371838
Contact Name Amy Archuleta	Contact Telephone 505-632-3476
Contact email aarchuleta@djrlc.com	Incident # (assigned by OCD) NCS1917850726
Contact mailing address 1 Road 3263 Aztec, NM 87410	

Location of Release Source

Latitude 36.371991 Longitude -108.070856
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Road off the Dodd Geiger #001	Site Type Oil and Gas Lease Road
Date Release Discovered June 12, 2019	API# (if applicable) N/A

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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input 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 checked="" type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: During heating of a Hot Oil truck on lease Road 350 yds from the Dobb Geiger #001 for Hot Oil treatment, a fire occurred on the Hot Oil Truck. Emergency officials were notified via 911 and the San Juan County Fire Dept responded and were able to extinguish the fire. No injuries and/or negative effects occurred to human health. A known cause of the fire is underdetermined at this time and investigation is pending.

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Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?

☒ Yes ☐ No

If YES, for what reason(s) does the responsible party consider this a major release?
Per 19.15.29.7(2)(a) Hot Oil truck caught fire while performing hot oil operations

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Verbal notification was made to Whitney Thomas with the BLM on June 12, 2019 at 12:45 am. Brandon Powell NMOCD at 12:50 am and voicemail was left with Steve Austin with the Navajo EPA at 1:00 pm.

Initial Response

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

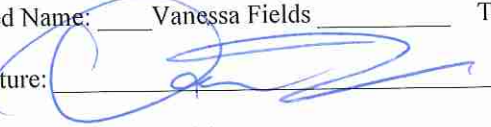
- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have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

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

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

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

Printed Name: Vanessa Fields Title: Agent/Representative

Signature:  Date: 6/14/2019

email: vanessa@walsheng.net Telephone: 505-787-9100

OCD Only

Received by: _____ Date: _____

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?

87' _____ (ft
bgs)

Did this release impact groundwater or surface water?

☐ Yes ☒ No

Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?

☐ Yes ☒ No

Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?

☐ Yes ☒ No

Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?

☐ Yes ☒ No

Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?

☐ Yes ☒ No

Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?

☐ Yes ☒ No

Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?

☐ Yes ☒ No

Are the lateral extents of the release within 300 feet of a wetland?

☐ Yes ☒ No

Are the lateral extents of the release overlying a subsurface mine?

☐ Yes ☒ No

Are the lateral extents of the release overlying an unstable area such as karst geology?

☐ Yes ☒ No

Are the lateral extents of the release within a 100-year floodplain?

☐ Yes ☒ No

Did the release impact areas **not** on an exploration, development, production, or storage site?

☐ Yes ☒ No

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

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

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within 1/2-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.

State of New Mexico
Oil Conservation Division

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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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.

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

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: Vanessa Fields Title: Agent/Regulatory Compliance Manager

Signature:  Date: 9/11/2019

email: Vanessa @walsheng.net Telephone: 505-787-9100

OCD Only

Received by: OCD Date: 9/19/19

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:  Date: 11/14/19

Printed Name: Cory Title: Environmental Specialist

Vanessa

From: Vanessa <vanessa@walsheng.net>
Sent: Friday, June 21, 2019 10:08 AM
To: 'Smith, Cory, EMNRD'; 'Adeloye, Abiodun'; 'l1thomas@blm.gov'
Cc: 'Amy Archuleta'; 'Vern Andrews'; 'Jimmie McKinney'
Subject: RE: Request Sampling Lease Road Dodd Geiger #001 I .SEC 26-25N-12W Lat: 36.371991/Long: -108.070856

Good morning Cory,

Sampling will be moved to Tuesday June 25, 2019 at 9:00 am.

Please let me know if you have any questions.

Thank you,

Vanessa Fields

Regulatory Specialist
Walsh Engineering /Epic Energy LLC.
O: 505-327-4892
C: 505-787-9100
vanessa@walsheng.net

From: Vanessa <vanessa@walsheng.net>
Sent: Wednesday, June 19, 2019 3:24 PM
To: 'Smith, Cory, EMNRD' <Cory.Smith@state.nm.us>; 'Adeloye, Abiodun' <aadeloye@blm.gov>; 'l1thomas@blm.gov' <l1thomas@blm.gov>
Cc: 'Amy Archuleta' <aarchuleta@djrlc.com>; 'Vern Andrews' <vern@walsheng.net>; 'Jimmie McKinney' <jimmie@walsheng.net>
Subject: Request Sampling Lease Road Dodd Geiger #001 I .SEC 26-25N-12W Lat: 36.371991/Long: -108.070856

Good afternoon,

On behalf of DJR Operating Walsh Engineering request the witness of soil sampling for the Truck Fire release on the lease road near the Dodd Geiger #001 for Monday June 24, 2019 at 10:00am.

I .SEC 26-25N-12W
Lat: 36.371991/Long: -108.070856

Please let me know if you have any questions.

Thank you

Vanessa Fields
Regulatory Specialist
Walsh Engineering /Epic Energy LLC.
O: 505-327-4892

Vanessa

From: Vanessa <vanessa@walsheng.net>
Sent: Friday, July 12, 2019 10:21 AM
To: 'Smith, Cory, EMNRD'; 'Adeloye, Abiodun'; '1thomas@blm.gov'
Cc: 'Amy Archuleta'; 'vern@walsheng.net'; 'John Thompson'
Subject: RE: [EXT] Initial C-141 DJR Hot Oil Truck Final Sampling Request Thursday July 18, 2019 at 9:00 am

Good morning,

Epic Energy on behalf of DJR Operating request final sampling on the Dodd Geiger base road on Thursday July 18, 2019 at 9:00 am.

Thank you,

Vanessa Fields
Regulatory Specialist
Walsh Engineering /Epic Energy LLC.
O: 505-327-4892
C: 505-787-9100
vanessa@walsheng.net

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Thursday, June 27, 2019 2:09 PM
To: Vanessa <vanessa@walsheng.net>; 'Adeloye, Abiodun' <aadeloye@blm.gov>; 1thomas@blm.gov
Cc: 'Amy Archuleta' <aarchuleta@djrlc.com>; vern@walsheng.net; 'John Thompson' <john@walsheng.net>
Subject: RE: [EXT] Initial C-141 DJR Hot Oil Truck

Amy,

OCD has processed the initial C-141 for the Dodd Geiger #1 fire on 6/12/19 below is the incident#

NCS1917850726 DODD GEIGER #001 @ 30-045-27234

General Incident Information

Site Name: DODD GEIGER #001

Well: [\[30-045-27234\]](#) DODD GEIGER #001

Facility:

Operator: [\[371838\]](#) DJR OPERATING, LLC

Status: Closure Not Approved

Type: Fire

District: Aztec

Severity: Major

Surface Owner: Federal

County: San Juan (45)

Incident Location: I-26-25N-12W Lot: 0 FNL 0 FEL
Lat/Long: 36.371991,-108.070856 NAD83

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Vanessa <vanessa@walsheng.net>
Sent: Friday, June 14, 2019 4:36 PM
To: 'Adeloye, Abiodun' <aadeloye@blm.gov>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; 1thomas@blm.gov
Cc: 'Amy Archuleta' <aarchuleta@djrlc.com>; vern@walsheng.net; 'John Thompson' <john@walsheng.net>
Subject: [EXT] Initial C-141 DJR Hot Oil Truck

Good afternoon,

Please find attached the initial C-141 for the Hot Oil Truck fire that occurred June 12, 2019 near the DJR Dodd Geiger #001.

A paper copy will be sent to both agencies.

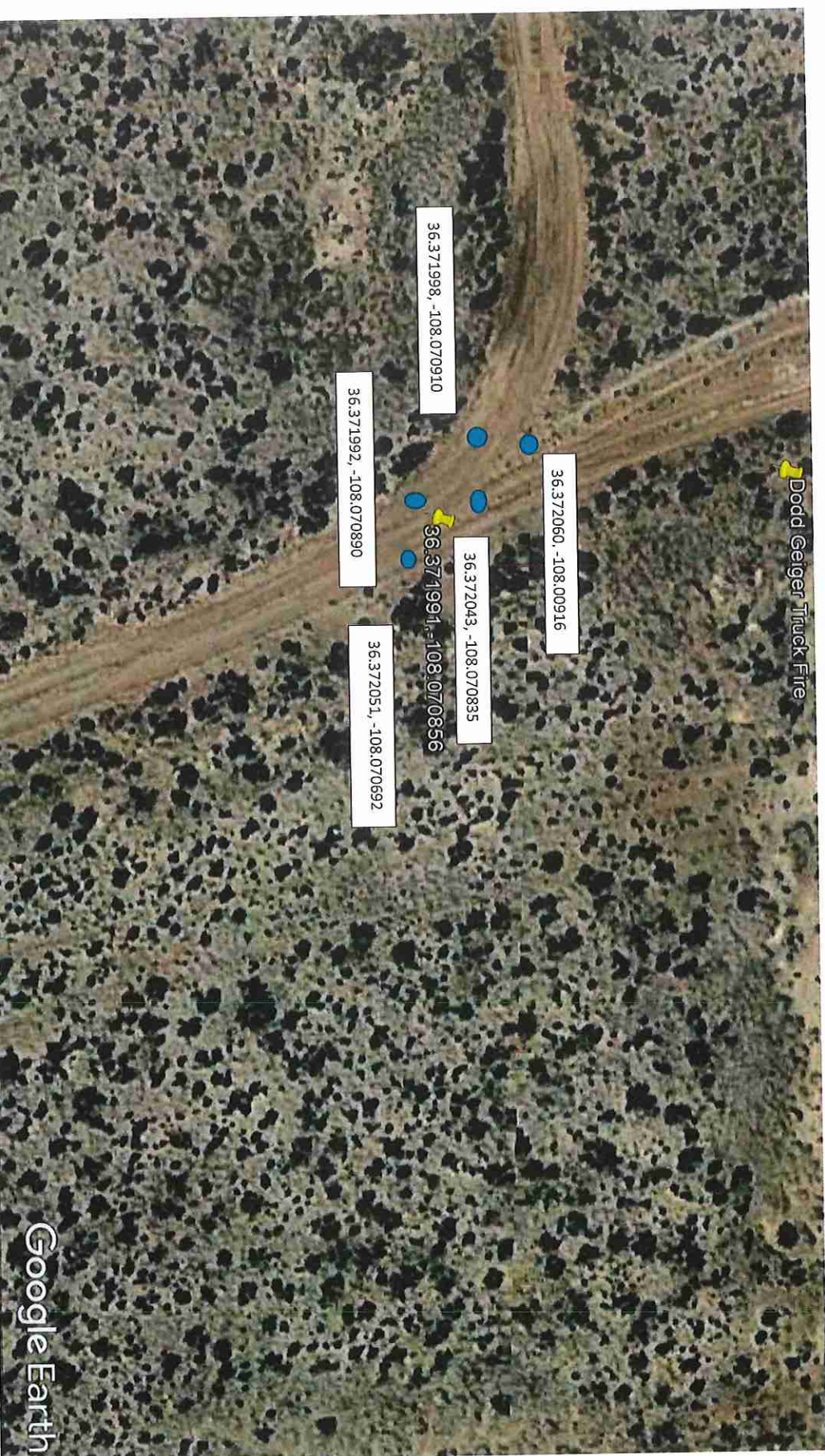
Thank you,

Vanessa Fields
Regulatory Specialist
Walsh Engineering /Epic Energy LLC.
O: 505-327-4892
C: 505-787-9100
vanessa@walsheng.net

Road off Dodd Geiger #001
Truck Fire Summary of Events
I 26-25N-12W
36.371991, -108.070856

- June 12, 2019: During heating of a Hot Oil truck on lease Road 350 yds from the Dobb Geiger #001 for Hot Oil treatment, a fire occurred on the Hot Oil Truck. Emergency officials were notified via 911 and the San Juan County Fire Dept responded and were able to extinguish the fire. No injuries and/or negative effects occurred to human health. Verbal notification was made to Whitney Thomas with the BLM on June 12, 2019 at 12:45 am. Brandon Powell NMOCD at 12:50 am and voicemail was left with Steve Austin with the Navajo EPA at 1:00 pm. Cory Smith with the NMOCD arrived onsite while the fire was being extinguished. The hot oil truck including all debris and truck material was removed from the impacted area. A water truck was dispatched as well, removing all fluid that was utilized to extinguish the fire.
- June 25, 2019: Sampling was conducted of the release area. 1 (5) point composite sample was collected in the area of the truck fire. Cory Smith with the NMOCD was present for the sampling. Analytical results returned above the closure criteria.
- July 10, 2019: Calder services removed a total of 15cyd of impacted soil from the truck fire area. No visible staining nor odor was noted during the removal of the soil.
- July 18, 2019: resampling of the truck fire impacted area was conducted. 1 (5) point composite sample was collected during the sampling event. Cory Smith with the NMOCD was onsite to witness sampling. Samples were submitted to Envirotech lab.
- July 22, 2019 Final analytical results were provided to Walsh Engineering acting agent on behalf of DJR Operating and were determined to be below regulatory standards. No final reclamation is determined to be needed due to the release occurring in the road. The road was recontoured to its original grading.

Dodd Geiger Sampling Area
 1(5)-point composite sample collected on each sampling event



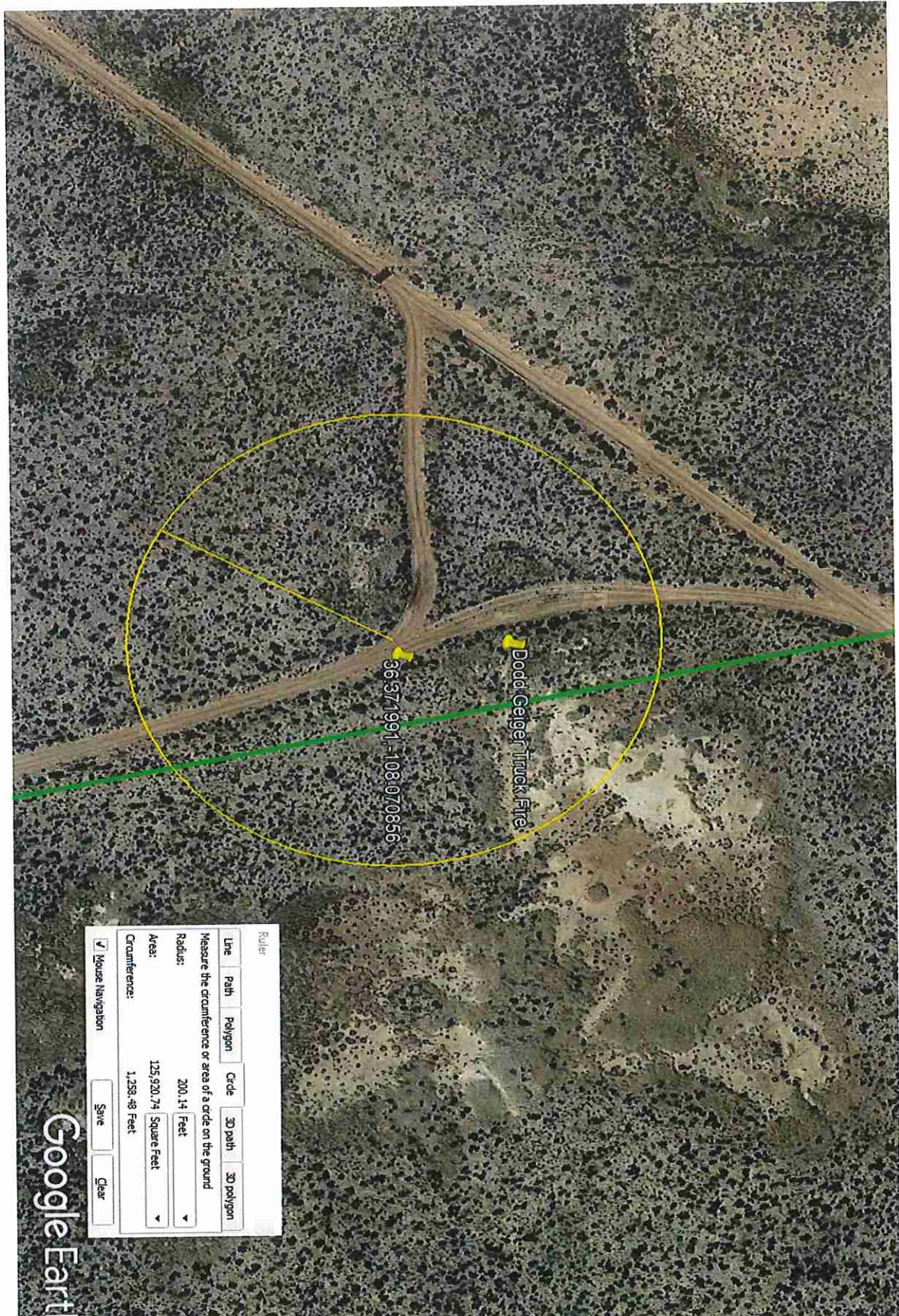
NMOCDClosure	50 mg/kg	10 mg/kg	2500/1000 mg/kg	10,000 mg/kg	
Criteria 51-100'					
Dodd Geiger Sampling	BTEX 8021	Benzene	8015 GRO/DRO/ORO	Chloride	Total Metals
June 25, 2019 Sample	ND	ND	3448	ND	93.5
Event					
July 18, 2019 Sample	Not Sampled prior	Not Sampled prior	698	Not Sampled prior	Not Sampled prior
Event	sample below	sample below		sample below	sample below
	regulatory standards	regulatory standards		regulatory	regulatory
	prior OCD approval	prior OCD approval		standards prior OCD	standards prior
				approval	OCD approval

Hunter Foster #001 DTW 50' Elevation difference Dogg Geiger #001 release 20'. Depth to Groundwater at Dodd Geiger Release 87'



Dodd Geiger #001 Truck Fire

Visual inspection was conducted to determine the release was not within 300 feet of a continuously flowing watercourse or any other significant watercourse and or 200 feet of any lakebed, sinkhole or playa lake.



New Mexico Office of the State Engineer
Point of Diversion Summary

[Back](#)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y
RG 61107	25N	12W	27	3	3		C	678500	1958950

Driller Licence: 987 FENNELL DRILLING COMPANY

Driller Name:

Source: Shallow

Drill Start Date: 12/15/1994

Drill Finish Date: 12/15/1994

Log File Date: 12/28/1994

PCW Received Date:

Pump Type:

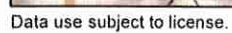
Pipe Discharge Size:

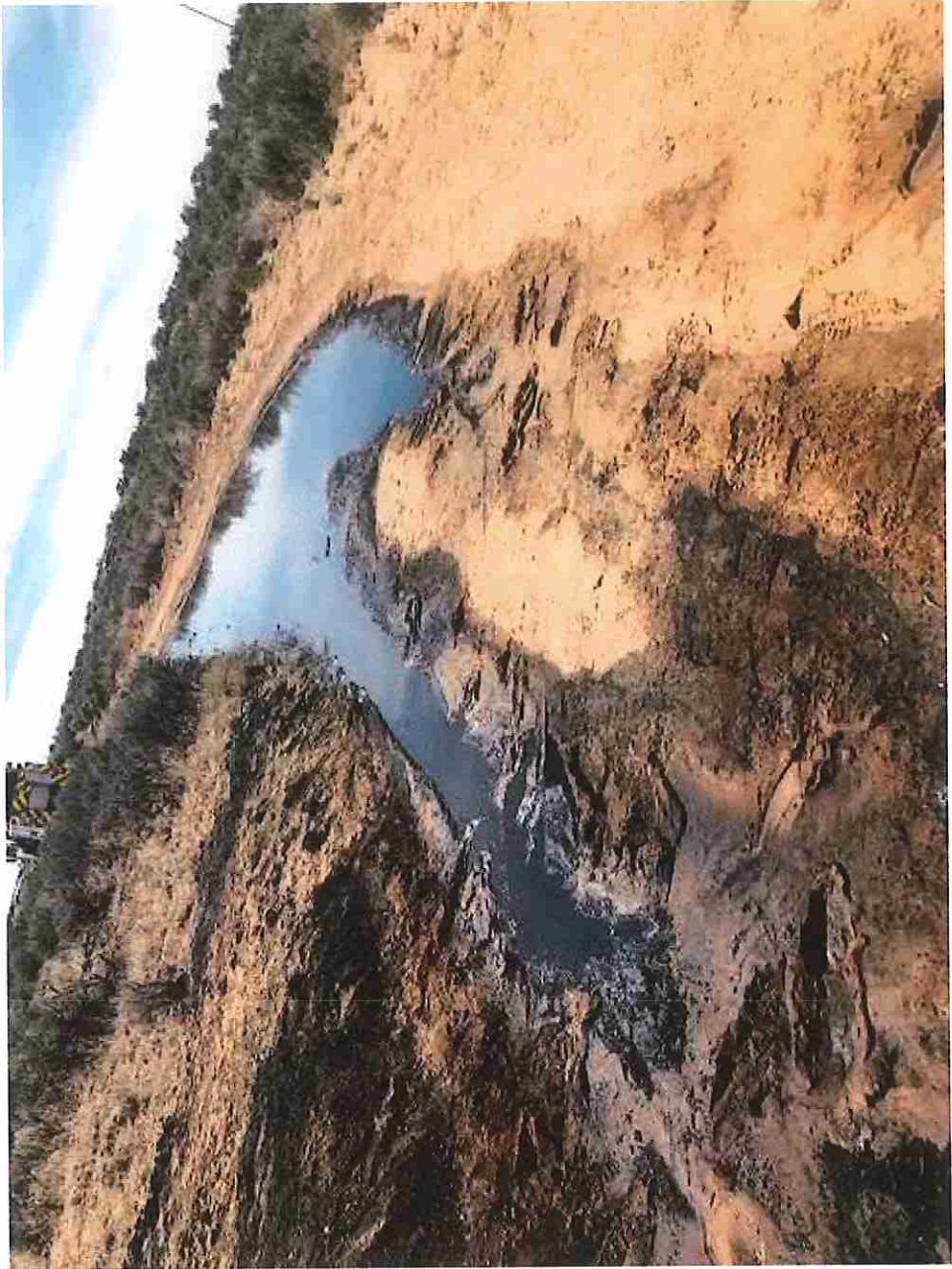
Casing Size:

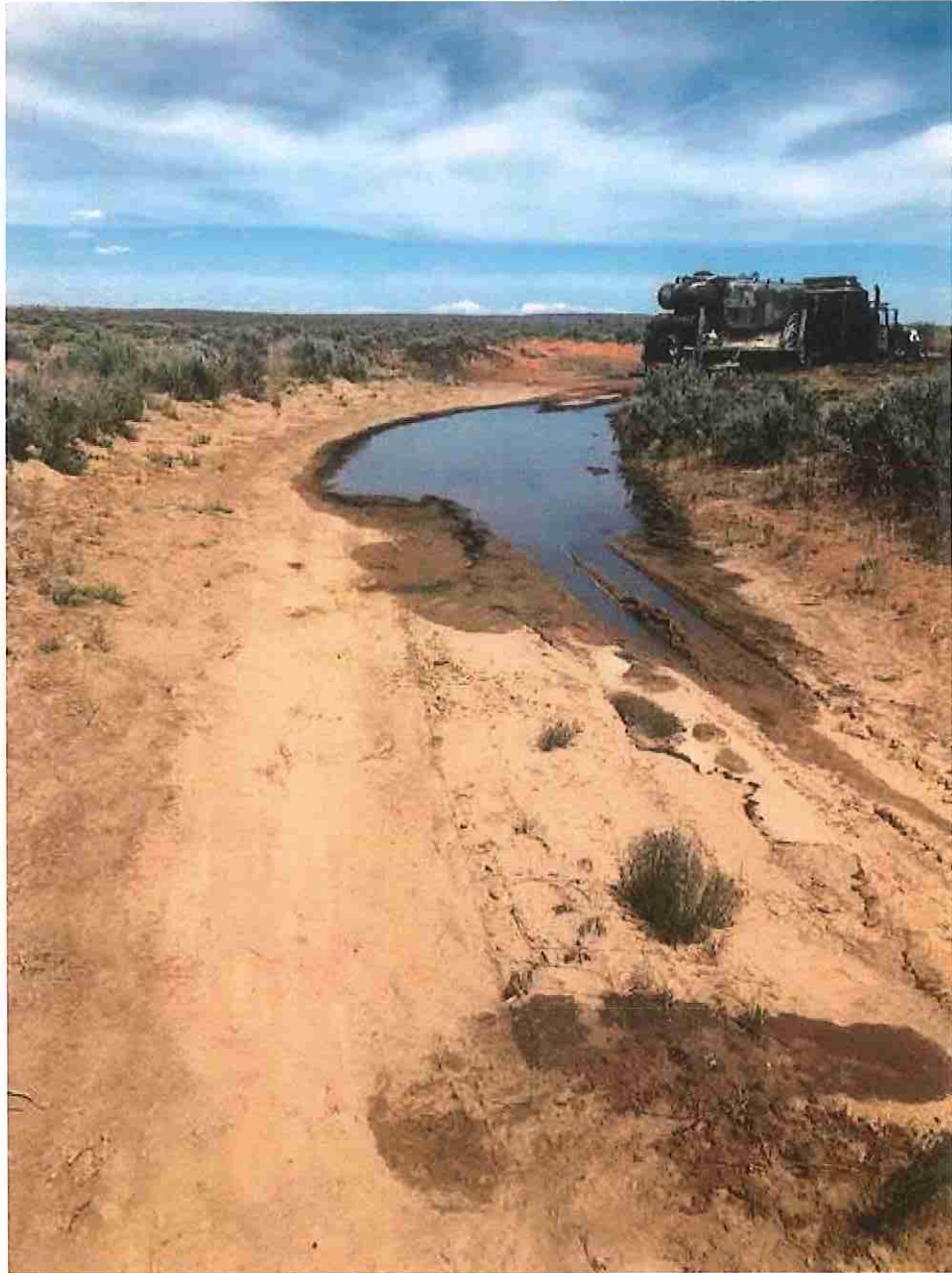
Estimated Yield:

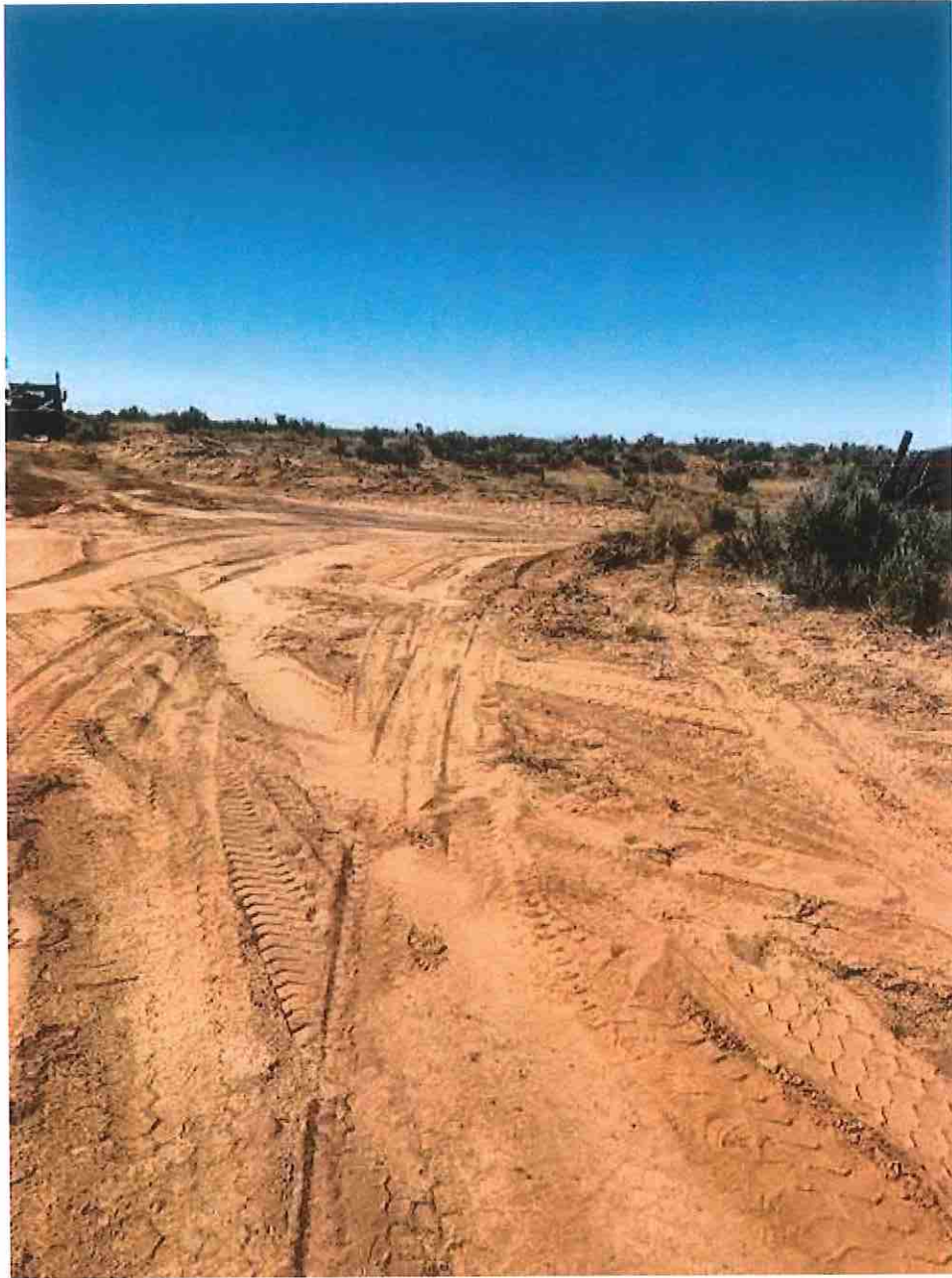
Depth Well: 130

Depth Water: 50

















Analytical Report

Report Summary

Client: Epic Energy

Samples Received: 6/25/2019

Job Number: 18012-0006

Work Order: P906109

Project Name/Location: Dodd Geiger Base Road

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 6/27/19

Walter Hinchman, Laboratory Director



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.



Epic Energy
7420 Main Street
Farmington NM, 87402

Project Name: Dodd Geiger Base Road
Project Number: 18012-0006
Project Manager: Vanessa Fields

Reported:
06/27/19 16:51

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Dodd Geiger Base Road	P906109-01A	Soil	06/25/19	06/25/19	Glass Jar, 4 oz.

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Epic Energy 7420 Main Street Farmington NM, 87402	Project Name: Dodd Geiger Base Road Project Number: 18012-0006 Project Manager: Vanessa Fields	Reported: 06/27/19 16:51
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**Dodd Geiger Base Road
P906109-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	1926008	06/25/19	06/27/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1926008	06/25/19	06/27/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1926008	06/25/19	06/27/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1926008	06/25/19	06/27/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1926008	06/25/19	06/27/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1926008	06/25/19	06/27/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		93.5 %		50-150	1926008	06/25/19	06/27/19	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	3330	25.0	mg/kg	1	1926018	06/26/19	06/27/19	EPA 8015D	
Oil Range Organics (C28-C40)	118	50.0	mg/kg	1	1926018	06/26/19	06/27/19	EPA 8015D	
Surrogate: n-Nonane		109 %		50-200	1926018	06/26/19	06/27/19	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1926008	06/25/19	06/27/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %		50-150	1926008	06/25/19	06/27/19	EPA 8015D	

Total Metals by 6010

Arsenic	2.53	0.500	mg/kg	1	1926016	06/26/19	06/26/19	EPA 6010C	
Barium	77.0	6.25	mg/kg	1	1926016	06/26/19	06/26/19	EPA 6010C	
Cadmium	ND	0.250	mg/kg	1	1926016	06/26/19	06/26/19	EPA 6010C	
Chromium	3.91	0.500	mg/kg	1	1926016	06/26/19	06/26/19	EPA 6010C	
Lead	4.06	0.250	mg/kg	1	1926016	06/26/19	06/26/19	EPA 6010C	
Selenium	ND	1.25	mg/kg	1	1926016	06/26/19	06/26/19	EPA 6010C	
Silver	ND	0.250	mg/kg	1	1926016	06/26/19	06/26/19	EPA 6010C	

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Epic Energy 7420 Main Street Farmington NM, 87402	Project Name: Dodd Geiger Base Road Project Number: 18012-0006 Project Manager: Vanessa Fields	Reported: 06/27/19 16:51
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**Dodd Geiger Base Road
P906109-01 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	1926010	06/25/19	06/26/19	EPA 300.0/9056A	
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Total Mercury by 7471B

Mercury	ND	20.0	ug/kg	1	1926014	06/26/19	06/27/19	EPA 7471B	
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Epic Energy	Project Name:	Dodd Geiger Base Road	Reported: 06/27/19 16:51
7420 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Vanessa Fields	

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
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Batch 1926008 - Purge and Trap EPA 5030A

Blank (1926008-BLK1)				Prepared: 06/25/19 Analyzed: 06/26/19 1						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	7.46		"	8.00		93.2	50-150			

LCS (1926008-BS1)				Prepared: 06/25/19 Analyzed: 06/26/19 1						
Benzene	4.57	0.0250	mg/kg	5.00		91.3	70-130			
Toluene	4.93	0.0250	"	5.00		98.5	70-130			
Ethylbenzene	4.87	0.0250	"	5.00		97.5	70-130			
p,m-Xylene	10.0	0.0500	"	10.0		100	70-130			
o-Xylene	4.86	0.0250	"	5.00		97.2	70-130			
Total Xylenes	14.9	0.0250	"	15.0		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		"	8.00		96.4	50-150			

Matrix Spike (1926008-MS1)				Source: P906102-01	Prepared: 06/25/19 Analyzed: 06/26/19 2					
Benzene	4.38	0.0250	mg/kg	5.00	ND	87.6	54.3-133			
Toluene	4.78	0.0250	"	5.00	0.0512	94.6	61.4-130			
Ethylbenzene	4.69	0.0250	"	5.00	ND	93.8	61.4-133			
p,m-Xylene	9.74	0.0500	"	10.0	0.0832	96.6	63.3-131			
o-Xylene	4.65	0.0250	"	5.00	ND	93.1	63.3-131			
Total Xylenes	14.4	0.0250	"	15.0	0.0832	95.4	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7.23		"	8.00		90.4	50-150			

Matrix Spike Dup (1926008-MSD1)				Source: P906102-01	Prepared: 06/25/19 Analyzed: 06/26/19 2					
Benzene	4.82	0.0250	mg/kg	5.00	ND	96.5	54.3-133	9.60	20	
Toluene	5.24	0.0250	"	5.00	0.0512	104	61.4-130	9.20	20	
Ethylbenzene	5.12	0.0250	"	5.00	ND	102	61.4-133	8.82	20	
p,m-Xylene	10.6	0.0500	"	10.0	0.0832	105	63.3-131	8.34	20	
o-Xylene	5.07	0.0250	"	5.00	ND	101	63.3-131	8.54	20	
Total Xylenes	15.7	0.0250	"	15.0	0.0832	104	63.3-131	8.41	20	
Surrogate: 4-Bromochlorobenzene-PID	7.13		"	8.00		89.1	50-150			

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Epic Energy 7420 Main Street Farmington NM, 87402	Project Name: Dodd Geiger Base Road Project Number: 18012-0006 Project Manager: Vanessa Fields	Reported: 06/27/19 16:51
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Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1926018 - DRO Extraction EPA 3570

Blank (1926018-BLK1)				Prepared: 06/26/19 0 Analyzed: 06/26/19 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	91.3		"	50.0		183	50-200			

LCS (1926018-BS1)				Prepared: 06/26/19 0 Analyzed: 06/26/19 1						
Diesel Range Organics (C10-C28)	510	25.0	mg/kg	500		102	38-132			
Surrogate: n-Nonane	60.1		"	50.0		120	50-200			

Matrix Spike (1926018-MS1)				Source: P906103-01		Prepared: 06/26/19 0 Analyzed: 06/26/19 1				
Diesel Range Organics (C10-C28)	1960	250	mg/kg	500	1160	160	38-132			SPK1
Surrogate: n-Nonane	65.9		"	50.0		132	50-200			

Matrix Spike Dup (1926018-MSD1)				Source: P906103-01		Prepared: 06/26/19 0 Analyzed: 06/26/19 2				
Diesel Range Organics (C10-C28)	1860	250	mg/kg	500	1160	141	38-132	5.06	20	SPK1
Surrogate: n-Nonane	65.9		"	50.0		132	50-200			

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Epic Energy	Project Name:	Dodd Geiger Base Road	Reported:
7420 Main Street	Project Number:	18012-0006	06/27/19 16:51
Farmington NM, 87402	Project Manager:	Vanessa Fields	

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1926008 - Purge and Trap EPA 5030A

Blank (1926008-BLK1)		Prepared: 06/25/19 1 Analyzed: 06/26/19 1								
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		"	8.00		101	50-150			

LCS (1926008-BS2)		Prepared: 06/25/19 1 Analyzed: 06/26/19 1								
Gasoline Range Organics (C6-C10)	53.2	20.0	mg/kg	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.30		"	8.00		104	50-150			

Matrix Spike (1926008-MS2)		Source: P906102-01		Prepared: 06/25/19 1 Analyzed: 06/26/19 2						
Gasoline Range Organics (C6-C10)	56.8	20.0	mg/kg	50.0	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		"	8.00		97.3	50-150			

Matrix Spike Dup (1926008-MSD2)		Source: P906102-01		Prepared: 06/25/19 1 Analyzed: 06/26/19 2						
Gasoline Range Organics (C6-C10)	52.8	20.0	mg/kg	50.0	ND	106	70-130	7.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		"	8.00		95.6	50-150			

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Epic Energy
7420 Main Street
Farmington NM, 87402

Project Name: Dodd Geiger Base Road
Project Number: 18012-0006
Project Manager: Vanessa Fields

Reported:
06/27/19 16:51

Total Metals by 6010 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1926016 - Metals Solid Hotblock Digestion EPA 3050B/200.2

Prepared: 06/26/19 0 Analyzed: 06/26/19 1

Blank (1926016-BLK1)

Arsenic	ND	0.500	mg/kg
Barium	ND	6.25	"
Cadmium	ND	0.250	"
Chromium	ND	0.500	"
Lead	ND	0.250	"
Selenium	ND	1.25	"
Silver	ND	0.250	"

Prepared: 06/26/19 0 Analyzed: 06/26/19 1

LCS (1926016-BS1)

Arsenic	12.5	0.500	mg/kg	12.5	99.7	80-120
Barium	316	6.25	"	313	101	80-120
Cadmium	6.26	0.250	"	6.25	100	80-120
Chromium	25.1	0.500	"	25.0	100	80-120
Lead	6.43	0.250	"	6.25	103	80-120
Selenium	31.0	1.25	"	31.3	99.3	80-120
Silver	2.53	0.250	"	2.50	101	80-120

Matrix Spike (1926016-MS1)

Source: P906109-01

Prepared: 06/26/19 0 Analyzed: 06/26/19 1

Arsenic	14.0	0.500	mg/kg	12.5	2.53	92.0	75-125
Barium	374	6.25	"	313	77.0	95.0	75-125
Cadmium	6.13	0.250	"	6.25	ND	98.0	75-125
Chromium	27.9	0.500	"	25.0	3.91	95.8	75-125
Lead	9.82	0.250	"	6.25	4.06	92.2	75-125
Selenium	28.8	1.25	"	31.3	ND	92.2	75-125
Silver	2.37	0.250	"	2.50	ND	94.8	75-125

Matrix Spike Dup (1926016-MSD1)

Source: P906109-01

Prepared: 06/26/19 0 Analyzed: 06/26/19 1

Arsenic	14.4	0.500	mg/kg	12.5	2.53	95.3	75-125	2.90	20
Barium	390	6.25	"	313	77.0	100	75-125	4.32	20
Cadmium	6.34	0.250	"	6.25	ND	101	75-125	3.37	20
Chromium	28.7	0.500	"	25.0	3.91	99.2	75-125	3.01	20
Lead	10.2	0.250	"	6.25	4.06	98.8	75-125	4.14	20
Selenium	30.0	1.25	"	31.3	ND	95.8	75-125	3.83	20
Silver	2.45	0.250	"	2.50	ND	97.8	75-125	3.12	20

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Epic Energy	Project Name:	Dodd Geiger Base Road	Reported:
7420 Main Street	Project Number:	18012-0006	06/27/19 16:51
Farmington NM, 87402	Project Manager:	Vanessa Fields	

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 1926010 - Anion Extraction EPA 300.0/9056A										
Blank (1926010-BLK1)				Prepared: 06/25/19 Analyzed: 06/26/19 0						
Chloride	ND	20.0	mg/kg							
LCS (1926010-BS1)				Prepared: 06/25/19 Analyzed: 06/26/19 0						
Chloride	256	20.0	mg/kg	250		102	90-110			
Matrix Spike (1926010-MS1)				Source: P906102-01 Prepared: 06/25/19 Analyzed: 06/26/19 0						
Chloride	2310	20.0	mg/kg	250	2250	23.8	80-120			SPK1
Matrix Spike Dup (1926010-MSD1)				Source: P906102-01 Prepared: 06/25/19 Analyzed: 06/26/19 0						
Chloride	2200	20.0	mg/kg	250	2250	NR	80-120	5.09	20	SPK1

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Epic Energy 7420 Main Street Farmington NM, 87402	Project Name: Dodd Geiger Base Road Project Number: 18012-0006 Project Manager: Vanessa Fields	Reported: 06/27/19 16:51
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Total Mercury by 7471B - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1926014 - Mercury Solid Digestion KMNO4										
Blank (1926014-BLK1)				Prepared: 06/26/19 0 Analyzed: 06/27/19 1						
Mercury	ND	20.0	ug/kg							
LCS (1926014-BS1)				Prepared: 06/26/19 0 Analyzed: 06/27/19 1						
Mercury	158	20.0	ug/kg	160		98.7	80-120			
Matrix Spike (1926014-MS1)				Source: P906109-01 Prepared: 06/26/19 0 Analyzed: 06/27/19 1						
Mercury	163	20.0	ug/kg	160	ND	102	80-120			
Matrix Spike Dup (1926014-MSD1)				Source: P906109-01 Prepared: 06/26/19 0 Analyzed: 06/27/19 1						
Mercury	163	20.0	ug/kg	160	ND	102	80-120	0.125	20	

QC Summary Report

Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Epic Energy	Project Name:	Dodd Geiger Base Road	Reported: 06/27/19 16:51
7420 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Vanessa Fields	

Notes and Definitions

SPK1	The spike recovery is outside of quality control limits.
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.

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Analytical Report

Report Summary

Client: Epic Energy

Samples Received: 7/18/2019

Job Number: 18012-0006

Work Order: P907058

Project Name/Location: Dodd Geiger 1

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 7/22/19

Walter Hinchman, Laboratory Director



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.

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Envirotech, Inc. currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.



Epic Energy
7420 Main Street
Farmington NM, 87402

Project Name: Dodd Geiger I
Project Number: 18012-0006
Project Manager: Vanessa Fields

Reported:
07/22/19 12:24

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Dodd Geiger #001 Base Road	P907058-01A	Soil	07/18/19	07/18/19	Glass Jar, 4 oz.

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Epic Energy	Project Name:	Dodd Geiger 1	Reported: 07/22/19 12:24
7420 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Vanessa Fields	

**Dodd Geiger #001 Base Road
P907058-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	586	25.0	mg/kg	1	1929026	07/18/19	07/18/19	EPA 8015D	
Oil Range Organics (C28-C40)	112	50.0	mg/kg	1	1929026	07/18/19	07/18/19	EPA 8015D	
Surrogate: n-Nonane		103 %		50-200	1929026	07/18/19	07/18/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1929029	07/18/19	07/18/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %		50-150	1929029	07/18/19	07/18/19	EPA 8015D	

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Epic Energy	Project Name:	Dodd Geiger 1	Reported: 07/22/19 12:24
7420 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Vanessa Fields	

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 1929026 - DRO Extraction EPA 3570

Blank (1929026-BLK1)

Prepared: 07/18/19 0 Analyzed: 07/18/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg						
Oil Range Organics (C28-C40)	ND	50.0	"						
Surrogate: n-Nonane	57.8		"	50.0		116	50-200		

LCS (1929026-BS1)

Prepared: 07/18/19 0 Analyzed: 07/18/19 1

Diesel Range Organics (C10-C28)	507	25.0	mg/kg	500		101	38-132		
Surrogate: n-Nonane	52.0		"	50.0		104	50-200		

Matrix Spike (1929026-MS1)

Source: P907053-01

Prepared: 07/18/19 0 Analyzed: 07/18/19 1

Diesel Range Organics (C10-C28)	1260	25.0	mg/kg	500	658	121	38-132		
Surrogate: n-Nonane	67.0		"	50.0		134	50-200		

Matrix Spike Dup (1929026-MSD1)

Source: P907053-01

Prepared: 07/18/19 0 Analyzed: 07/18/19 1

Diesel Range Organics (C10-C28)	1210	25.0	mg/kg	500	658	111	38-132	3.97	20
Surrogate: n-Nonane	65.9		"	50.0		132	50-200		

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Epic Energy	Project Name:	Dodd Geiger 1	Reported:
7420 Main Street	Project Number:	18012-0006	07/22/19 12:24
Farmington NM, 87402	Project Manager:	Vanessa Fields	

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1929029 - Purge and Trap EPA 5030A

Blank (1929029-BLK1)

Prepared & Analyzed: 07/18/19 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.15		"	8.00		102	50-150			

LCS (1929029-BS2)

Prepared: 07/18/19 1 Analyzed: 07/18/19 2

Gasoline Range Organics (C6-C10)	52.3	20.0	mg/kg	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.25		"	8.00		103	50-150			

Matrix Spike (1929029-MS2)

Source: P907058-01

Prepared: 07/18/19 1 Analyzed: 07/18/19 2

Gasoline Range Organics (C6-C10)	54.4	20.0	mg/kg	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.08		"	8.00		101	50-150			

Matrix Spike Dup (1929029-MSD2)

Source: P907058-01

Prepared: 07/18/19 1 Analyzed: 07/18/19 2

Gasoline Range Organics (C6-C10)	55.7	20.0	mg/kg	50.0	ND	111	70-130	2.35	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		"	8.00		99.7	50-150			

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.

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Epic Energy
7420 Main Street
Farmington NM, 87402

Project Name: Dodd Geiger 1
Project Number: 18012-0006
Project Manager: Vanessa Fields

Reported:
07/22/19 12:24

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.

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