

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

NMOCD

Responsible Party

JAN 28 2019

Responsible Party: Enduring Resources	OGRID: 372286	DISTRICT III
Contact Name: Chad Snell	Contact Telephone: 505-444-0586	
Contact email: csnell@enduringresources.com	Incident # (assigned by OCD): ncs1833038312	
Contact mailing address: 200 Energy Court	Farmington, New Mexico 87401	

Location of Release Source

Latitude 36.5186808 Longitude -107.531295
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Rincon 57	Site Type: Well Site
Date Release Discovered: 7/30/2018	API# (if applicable) 30-039-06732

Unit Letter	Section	Township	Range	County
A	1	26N	7W	Rio Arriba, NM

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): UNK	Volume Recovered (bbls): None
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

On July 30th 2018 a release was discovered when BGT was removed for closure. BGT had a small hole in the bottom of it and released contents in tank directly below BGT bottom. Six inches of soil was removed from area and a composite sample was sent for analysis.

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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 type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input 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:
<p>NMOCD</p> <p>JAN 28 2019</p> <p>DISTRICT III</p>
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: _____ Title: _____ Signature: _____ Date: _____ email: _____ Telephone: _____
<p><u>OCD Only</u></p> 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?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

NMOC
JAN 28 2019
DISTRICT III

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

NMOCD
JAN 28 2019
DISTRICT III

Incident ID	
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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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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: _____

NMOCD
JAN 28 2019
 DISTRICT 111

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

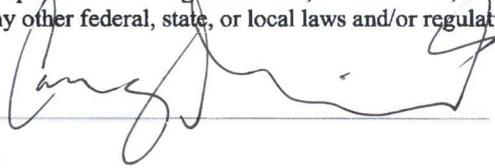
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public 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: Chad Snell Title: HSE TECH
 Signature:  Date: 1-25-19
 email: csnell@enduringresources.com Telephone: (505)444-0586

OCD Only

Received by: OCD Date: 1/28/19

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: 1/28/19
 Printed Name: Cory Title: Environmental Spec.

NMOCD
 8 2019
DISTRICT III

Rincon 57 Narrative.

7/23/2018

On Monday July 23rd 2018, Enduring Resources, LLC notified the NMOCD that BGT closure activities would take place at the Rincon 57 beginning on Monday July 30th at 9:00am.

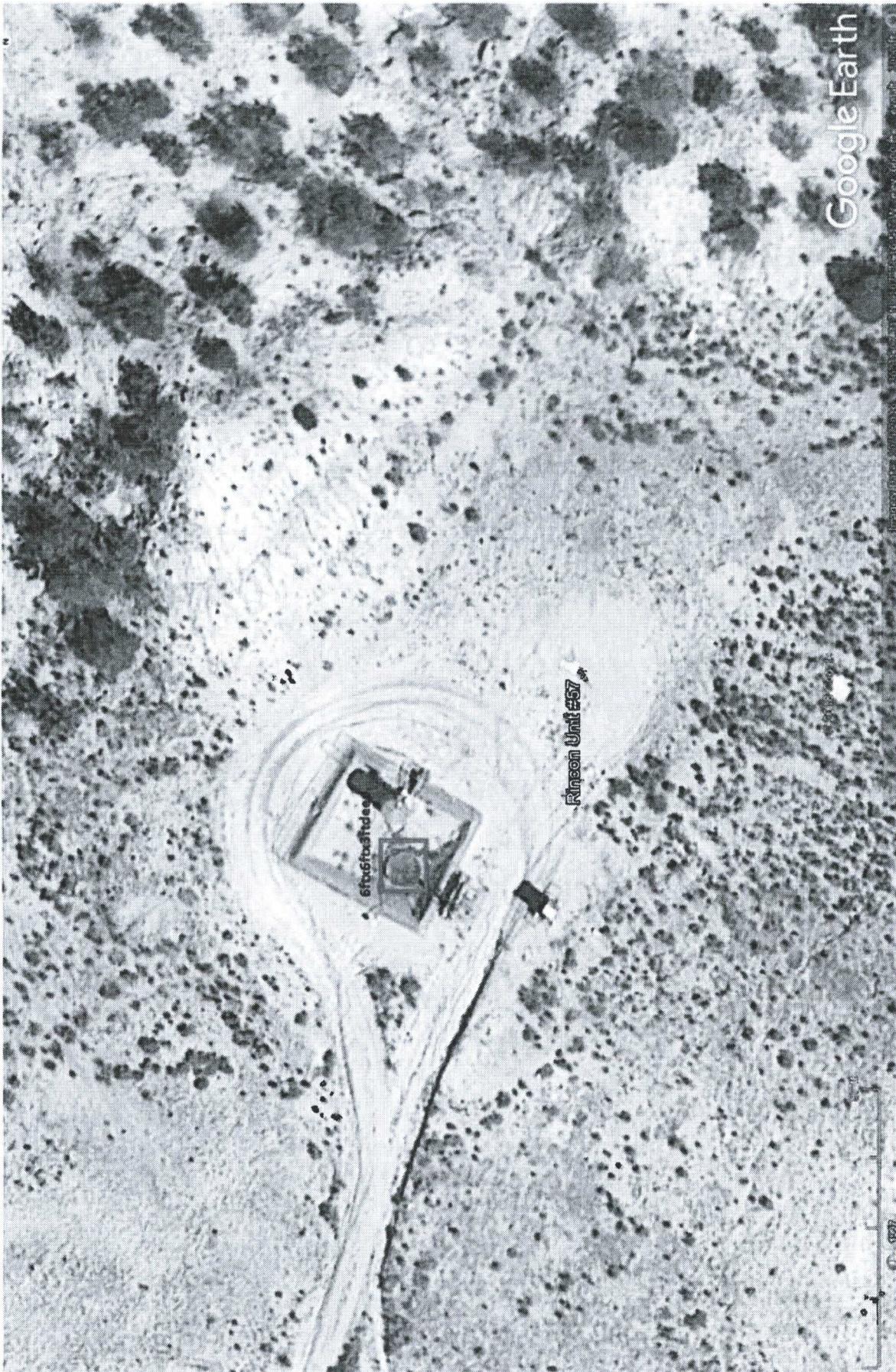
7/30/2018

Began BGT closure activities, Cory Smith of the NMOCD was onsite to witness activities. During BGT removal it had been confirmed that a release had occurred when noticeable staining appeared underneath the BGT. Six inches of surface was remediated at this time. A composite sample was then collected and sent in for lab analysis. The Sample was analyzed for 8021(BTEX), 8015(GRO/DRO/MRO) and chlorides.

8/2/2018

Analytical Report was received and confirmed that the returned results are below the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was risk ranked with closure standards of; 1000ppm TPH, 50ppm BTEX, 10ppm Benzene. This was determined by a wash being more than 200ft but less than 1000ft away. No further remediation was needed.

NMOCD
JUN 28 2019
DISTRICT III



NMOCD

APR 28 2019

DISTRICT III



ENDURING RESOURCES

ON-SITE FORM

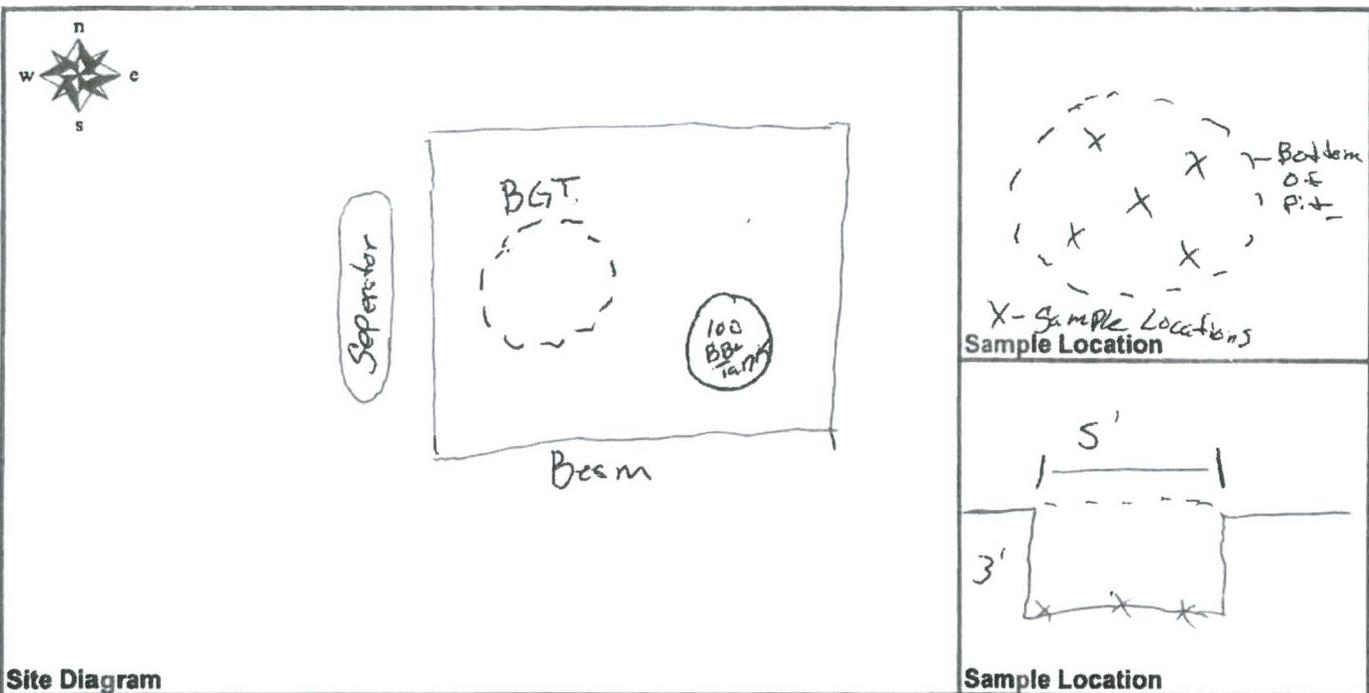
Well Name Rincon unit #57 API # 30-039-06732

Section 1 Township Z6N Range 7W County Sandoval State NM

Contractors On-Site L3L Time On-Site 9:30am Time Off-Site 10:10am

Spill Amount _____ bbls Spilled (Oil/Produced Water/Other _____) Recovered 0

Land Use (Range / Residential / Tribe _____) Spill Area 5 x 5 x 3 deep



Comments Dig Top Six inches, Sample Taken Six inches Below.

Samples

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
	NA	100 Standard	NA		NA
9:50am	1.	BGT Bottom	Brown Sand wet		SO ₄ , Fe, S, Chlorides

Name (Print) Chad Small Date _____

Name (Signature) [Signature] Company Enduring Resources



Enduring Resources, LLC
BGT Closure Report
Rincon Unit 57
30-039-06732

PHOTOS: New Above Grade Tank Set



August 08, 2018

Enduring Resources

Sample Delivery Group: L1014207
Samples Received: 08/02/2018
Project Number:
Description: BGT Closure
Site: RINCON UNIT 57
Report To: James McDaniel
332 County Road 3100
Aztec, NM 87410

Entire Report Reviewed By:



Olivia Studebaker
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



Cp: Cover Page	1	
Tc: Table of Contents	2	
Ss: Sample Summary	3	
Cn: Case Narrative	4	
Sr: Sample Results	5	
BGT BOTTOM L1014207-01	5	
Qc: Quality Control Summary	6	
Total Solids by Method 2540 G-2011	6	
Wet Chemistry by Method 9056A	7	
Volatile Organic Compounds (GC) by Method 8015/8021	8	
Semi-Volatile Organic Compounds (GC) by Method 8015	9	
Gl: Glossary of Terms	10	
Al: Accreditations & Locations	11	
Sc: Sample Chain of Custody	12	

SAMPLE SUMMARY

BGT BOTTOM L1014207-01 Solid

Collected by
Chad Srell

Collected date/time
08/01/18 09:50

Received date/time
08/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1148414	1	08/07/18 12:38	08/07/18 12:50	JD
Wet Chemistry by Method 9056A	WG1147229	1	08/03/18 11:30	08/03/18 19:52	MCG
Volatile Organic Compounds (GC) by Method 8015/8021	WG1147160	1	08/02/18 19:49	08/03/18 19:15	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1147714	1	08/04/18 10:13	08/04/18 18:44	AAT

- Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Olivia Studebaker
Project Manager

¹ Cp

² Tc

³ Ss

⁵ Sr

⁶ Qc

⁷ Gi

⁸ Ai

⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	85.1		1	08/07/2018 12:50	WG1148414

Cp

Tc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Chloride	251		11.8	1	08/03/2018 19:52	WG1147229

Ss

Cn

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Benzene	0.00153		0.000588	1	08/03/2018 19:15	WG1147160
Toluene	ND		0.00588	1	08/03/2018 19:15	WG1147160
Ethylbenzene	ND		0.000588	1	08/03/2018 19:15	WG1147160
Total Xylene	0.105		0.00176	1	08/03/2018 19:15	WG1147160
TPH (GC/FID) Low Fraction	3.25		0.118	1	08/03/2018 19:15	WG1147160
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	96.2		77.0-120		08/03/2018 19:15	WG1147160
(S) <i>a,a,a</i> -Trifluorotoluene(PID)	96.7		75.0-128		08/03/2018 19:15	WG1147160

Qc

Gl

Al

Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	114		4.70	1	08/04/2018 18:44	WG1147714
C28-C40 Oil Range	58.8		4.70	1	08/04/2018 18:44	WG1147714
(S) <i>o</i> -Terphenyl	66.5		18.0-148		08/04/2018 18:44	WG1147714

WG1148414

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



Total Solids by Method 2540 G-2011

L1014207-01

Method Blank (MB)

(MB) R3331783-1 08/07/18 12:50

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1014247-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1014247-01 08/07/18 12:50 • (DUP) R3331783-3 08/07/18 12:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	82.8	81.7	1	1.31		10

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R3331783-2 08/07/18 12:50

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3330948-1 08/03/18 19:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		0.795	10.0

1 Cp

2 Tc

3 Ss

L1014209-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1014209-01 08/03/18 20:18 • (DUP) R3330948-6 08/03/18 20:27

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	53.3	55.5	1	4.11		15

4 Cn

5 Sr

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3330948-2 08/03/18 19:09 • (LCSD) R3330948-3 08/03/18 19:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloride	200	205	204	102	102	80.0-120			0.422	15

7 GI

8 AI

9 Sc

L1014207-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1014207-01 08/03/18 19:52 • (MS) R3330948-4 08/03/18 20:01 • (MSD) R3330948-5 08/03/18 20:10

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	588	251	844	793	101	92.3	1	80.0-120			6.19	15



Method Blank (MB)

(MB) R3330928-5 08/03/18 13:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000247	J	0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	100			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	100			75.0-128

Cp

Tc

Ss

Cn

Sr

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3330928-1 08/03/18 11:27 • (LCSD) R3330928-2 08/03/18 11:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.0532	0.0538	106	108	71.0-121			1.05	20
Toluene	0.0500	0.0514	0.0515	103	103	72.0-120			0.165	20
Ethylbenzene	0.0500	0.0533	0.0535	107	107	76.0-121			0.525	20
Total Xylene	0.150	0.168	0.167	112	111	75.0-124			0.778	20
(S) a,a,a-Trifluorotoluene(FID)				100	100	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				98.6	99.3	75.0-128				

Gl

Al

Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3330928-3 08/03/18 12:15 • (LCSD) R3330928-4 08/03/18 12:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.87	5.94	107	108	70.0-136			1.23	20
(S) a,a,a-Trifluorotoluene(FID)				106	106	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				109	109	75.0-128				



Semi-Volatile Organic Compounds (GC) by Method 8015

[L1014207-01](#)

Method Blank (MB)

(MB) R3330969-1 08/04/18 17:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
<i>(S) o-Terphenyl</i>	92.4			18.0-148

1 Cd

2 Tc

3 Ss

4 Cn

5 Sr

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3330969-2 08/04/18 17:41 • (LCSD) R3330969-3 08/04/18 17:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	50.0	39.0	39.4	78.1	78.8	50.0-150			0.966	20
<i>(S) o-Terphenyl</i>				96.0	88.6	18.0-148				

7 GI

8 AI

9 Sc



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.
Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

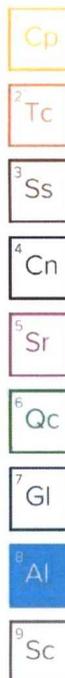
⁸AI

⁹Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
 * Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.



State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana ¹	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Enduring Resources

332 County Road 3100
Aztec, NM 87410

Billing Information:
James McDaniel
332 County Road 3100
Aztec, NM 87410

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page of



A-E SCIENCE
a subsidiary of *PerkinElmer*

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-757-5859
Fax: 615-758-5859



L# L1014267
E114

Acctnum: **ENDRESANM**

Template:

Prelogin:

TSR: 288 - Daphne Richards

PB:

Shipped Via:

Remarks | Sample # (lab only)

Report to: James McDaniel Email To: J.mcdaniel@enduringresources.com

Project Description: BGT Closure City/State Collected:

Phone: **505-636-9731** Client Project # Lab Project #

Collected by (print): Chad Snell Site/Facility ID # Rincon unit 57 P.O. #

Collected by (signature): [Signature] Rush? (Lab MUST Be Notified) Quote #

Immediately Packed on Ice N Y X Date Results Needed No. of Entrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Entrs
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BGT Bottom	Comp	SS	-	8-1-2018	9:50 am	1
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Analysis	Container	Preservative	Pres Chk
8021 (BTEX)	rad	rad	
805 (Geo/MRD/DRO)	rad	rad	
Chlorides			

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

Samples returned via:
UPS FedEx Courier

Tracking # 4196 3260 1769

pH Temp
Flow Other

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VDA Zero HeadSpace: Y N
Preservation Correct/Checked: Y N

Relinquished by: (Signature) [Signature] Date: 8-1-2018 Time: 2:10pm

Received by: (Signature) [Signature] Trip Blank Received: Yes/No (No)
HCL/MeOH TBR

<5 MR/HR

Relinquished by: (Signature) Date: Time:

Received by: (Signature) Temp: 0.6°C Bottles Received: 1

If preservation required by Login: Date/Time

Relinquished by: (Signature) Date: Time:

Received for lab by: (Signature) [Signature] Date: 8/2/18 Time: 8:45

Hold: Condition: NCF / OK

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

Form C-141
Revised April 3, 2017

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

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: Enduring Resources, LLC	Contact: Chad Snell
Address: 200 Energy Court Farmington, NM 87401	Telephone No.: 505-444-0586
Facility Name: Rincon Unit 57	Facility Type: Well Site (Gas)

Surface Owner: BLM/Federal	Mineral Owner: BLM/Federal	API No. 30-039-06732
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LOCATION OF RELEASE

Unit Letter A	Section 1	Township 26N	Range 7W	Feet from the 990	North/South Line NORTH	Feet from the 990	East/West Line East	County Rio Arriba
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Latitude **36.5186808** Longitude **-107.521295** NAD83

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: UNK	Volume Recovered: NA
Source of Release: BGT Bottom	Date and Hour of Occurrence: 7/30/2018	Date and Hour of Discovery: 7/30/2018

Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?
--	------------------

By Whom?	Date and Hour
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Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.
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If a Watercourse was Impacted, Describe Fully.*
NOT IMPACTED

NMOCD
DEC 17 2018

Describe Cause of Problem and Remedial Action Taken.*
A release was confirmed visually under the BGT after being pulled. The top six inches of the bottom was excavated before sampling. Results returned below NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site ranking was determined by a wash being more than 200ft. but less than 1000ft. away.

DISTRICT III

Describe Area Affected and Cleanup Action Taken.*
BGT was closed at the Rincon Unit #57. A sample was collect and analyzed for TPH (1000), Benzene (10), BTEX (50) and Chlorides. The results returned below standards determining that the release did not need to be excavated further at this facility

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Chad Snell	Approved by Environmental Specialist: 	
Title: HSE Tech	Approval Date: 	Expiration Date:
E-mail Address: csnell@enduringresources.com	Conditions of Approval: 	Attached <input type="checkbox"/>
Date: 12/5/2018	Phone: 505-444-0586	

* Attach Additional Sheets If Necessary