Form C-144 State of New Mexico District I 1625 N. French Dr., Hobbs, NM 88240 Revised April 3, 2017 Energy Minerals and Natural Resources District II For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office. Department 811 S. First St., Artesia, NM 88210 District III **Oil Conservation Division** 1000 Rio Brazos Road, Aztec, NM 87410 For permanent pits submit to the Santa Fe 1220 South St. Francis Dr. District IV Environmental Bureau office and provide a copy to the appropriate NMOCD District Office. 1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505 Pit. Below-Grade Tank, or 16309 Proposed Alternative Method Permit or Closure Plan Application Type of action: Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances. 1. Operator: Enduring Resources, LLC OGRID #: <u>372286</u> Address: 332 Road 3100, Aztec, New Mexico 87410 Facility or well name: Burroughs COM B 4A OCD Permit Number: API Number: <u>30-045-30195</u> U/L or Qtr/Qtr M Section 2 Township 27N Range 9W County: San Juan Longitude <u>-107.751250</u> NAD83 Center of Proposed Design: Latitude 36.599242 Surface Owner: Federal State Private Tribal Trust or Indian Allotment NMOCD MAR 2 7 2018 **Pit:** Subsection F, G or J of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Drilling Fluid yes no □ Lined □ Unlined Liner type: Thickness mil □ LLDPE □ HDPE □ PVC □ Other String-Reinforced Liner Seams: 🗌 Welded 🗌 Factory 🗌 Other Volume: bbl Dimensions: L x W x D Below-grade tank: Subsection I of 19.15.17.11 NMAC bbl Type of fluid: Produced Water Volume: 45 Tank Construction material: galvanized Secondary containment with leak detection 🗌 Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off □ Visible sidewalls and liner ⊠ Visible sidewalls only □ Other Liner type: Thickness mil HDPE PVC Other Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify

Oil Conservation Division

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Netting:	Subsection E of	19.15.17.11	NMAC (Applies to	permanent pits and	d permanent open top tanks))
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Screen Netting Other_

6.

7.

Monthly inspections (If netting or screening is not physically feasible)

Signs: Subsection C of 19.15.17.11 NMAC

12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.16.8 NMAC

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.
 Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.					
General siting					
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - □ NM Office of the State Engineer - iWATERS database search; □ USGS; □ Data obtained from nearby wells	□ Yes □ No □ NA				
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA				
 Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) Written confirmation or verification from the municipality; Written approval obtained from the municipality 	🗌 Yes 🗌 No				
 Within the area overlying a subsurface mine. (Does not apply to below grade tanks) Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	Yes No				
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	🗌 Yes 🗌 No				
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	Yes No				
Below Grade Tanks					
 Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No				
 Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No				
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)					
 Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No				
 Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	🗌 Yes 🗌 No				
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No				

 Within 100 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes No		
Temporary Pit Non-low chloride drilling fluid			
 Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	□ Yes □ No		
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No		
 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, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	Yes 🗌 No		
 Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes No		
Permanent Pit or Multi-Well Fluid Management Pit			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).	_		
- Topographic map; Visual inspection (certification) of the proposed site	Yes No		
 Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	🗌 Yes 🗌 No		
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application			
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	Yes No		
 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No		
10. Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC <i>Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.</i> Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:			
11.			
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the dot attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	<i>cuments are</i> .15.17.9 NMAC		

 <u>Permanent Pits Permit Application Checklist</u>: Subsection B of 19.15.17.9 NMAC <i>Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the other application.</i> 	locuments are			
attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Crosure Plan - based upon the appropriate requirements of 19.15.17.9 NMAC and 19.15.17.13 NMAC				
13. <u>Proposed Closure</u> : 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.				
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Fl Alternative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial	uid Management Pit			
waste Excavation and Removal Closure Plan Checking: (19.15.17.13 NMAC) Instructions: Each of the following items must be allached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC				
 15. <u>Siting Criteria (regarding on-site closure methods only)</u>: 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. P 19.15.17.10 NMAC for guidance. 	ce material are lease refer to			
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ NA			
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ NA			
 Ground water is more than 100 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	□ Yes □ No □ NA			
 Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No			
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No			
 Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No			
Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No			
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No			
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance				
Form C-144 Oil Conservation Division Page 4 o	f 6			

 adopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approval obtained from the municipality 	Yes No			
 Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	Yes No			
Within an unstable area.				
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	🗌 Yes 🗌 No			
Within a 100-year floodplain. - FEMA map	Yes No			
16.				
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.				
17. Operator Application Certification				
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and beli	ef.			
Name (Print): Title:				
Signature: Date:				
e-mail address:Telephone:				
18. OCD Approval: Permit Application (including closure plan) IX Closure Plan (only) OCD Conditions (see attachment)				
OCD Representative Signature: Approval Date: 3/3	0/18			
Title: ENV: copmental Spec. OCD Permit Number:				
^{19.} <u>Closure Report (required within 60 days of closure completion)</u> : 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.				
Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-lo If different from approved plan, please explain.	op systems only)			
 21. Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please intermark in the box, that the documents are attached. ○ Proof of Closure Notice (surface owner and division) ○ Proof of Deed Notice (required for on-site closure for private land only) ○ Plot Plan (for on-site closures and temporary pits) ○ Confirmation Sampling Analytical Results (if applicable) ○ Waste Material Sampling Analytical Results (required for on-site closure) ○ Disposal Facility Name and Permit Number ○ Soil Backfilling and Cover Installation ○ Re-vegetation Application Rates and Seeding Technique	dicate, by a check			
Site Reclamation (Photo Documentation) On-site Closure Location: Latitude Longitude NAD: 1927	1983			

Oil Conservation Division

22.			
Operator	Closure	Certification:	

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I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): James McDaniel	Title: <u>HSE Coordinator</u>
Signature:	Date: <u>3/27/2018</u>
e-mail address: jmcdaniel@enduringresources.com	Telephone: <u>505-636-9731</u>

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.

1220 S. St. Fran	icis Dr., Santa	a Fe, NM 87505)	Sa	anta F	e, NM 875	505			
			Rele	ease Notifie	catio	n and Co	orrective A	ction		
						OPERA	ГOR	Initia	al Report 🛛 Final Rep	ort
Name of Co	Name of Company: Enduring Resources, LLC				Contact: Ja	mes McDaniel				
Address: 33	32 Road 31	100, Aztec, I	New Mex	ico 87410		Telephone 1	No.: 505-636-97	31		
Facility Nat	me: Burro	ughs COM	B #4A			Facility Typ	e: Well Site (G	as)		
Surface Ou	ner State	of NM		Mineral (Juner	State of NN	1	API No	30-045-30195	_
Surface Ow	nel. State			Winicial C	Jwner.	State of Miv	1	ATINO	. 50-045-50175	
				LOCA	ATIO	N OF RE	LEASE			
Unit Letter M	Section 2	Township 27N	Range 9W	Feet from the 940	North	South Line	Feet from the 660	East/West Line EAST	County San Juan	
		Latit	ude <u>3</u>	6.599242	Lon	gitude	-107.751250	NAD83		
				NAT	URE	OF REL	EASE			
Type of Rele	ase: NONE					Volume of	Release: NONE	Volume F	Recovered: NA	_
Source of Re	elease: NA					Date and H	Iour of Occurrence	e: NA Date and	Hour of Discovery: NA	
Was Immedi	ate Notice (Given?	Yes 🗌	No 🛛 Not R	equired	If YES, To	Whom?			
By Whom?						Date and H	Iour			
Was a Water	Was a Watercourse Reached?			If YES, Vo	olume Impacting t	he Watercourse.				
Describe Car BGT was cla returned res	use of Probl osed at the sults below	em and Reme Burroughs C 'Pit Rule' Sta	dial Actio OM B #4 andards, o	n Taken.* A well site. Sam determining that	ple was t a relea	s collected and	d analyzed for T curred at this fac	PH, Benzene, BTI cility.	X and chlorides. The sample	e
Describe Are No release h	ea Affected as occurre	and Cleanup A d. No further	Action Tak r action re	ten.* equired.						
I hereby cert regulations a public health should their or the enviro federal, state	ify that the i ill operators or the environment operations h nment. In a or local lay	information gi are required t ronment. The nave failed to a addition, NMC ws and/or regu	iven above o report an acceptance adequately OCD acceptance ulations.	is true and comp ad/or file certain to be of a C-141 repu- investigate and to trance of a C-141	olete to t release r ort by th remedia report o	the best of my notifications a ne NMOCD m te contaminati does not reliev	knowledge and u nd perform correct arked as "Final R ton that pose a thr re the operator of the	nderstand that purs tive actions for rele eport" does not reli eat to ground water responsibility for c	uant to NMOCD rules and eases which may endanger eve the operator of liability s, surface water, human health ompliance with any other	
Signature:				OIL CON	SERVATION	DIVISION				
Printed Name: James McDaniel			Approved by	Environmental S	pecialist:					
Title: HSE C	Coordinator	r				Approval Da	te:	Expiration	Date:	
E-mail Address: jmcdaniel@enduringresources.com			Conditions of	f Approval:		Attached				

* Attach Additional Sheets If Necessary

Enduring Resources, LLC Below Grade Tank Closure Report

Lease Name:Burroughs COM B #4AAPI No.:30-045-30195Description:Unit P, Section 2, Township 27N, Range 9W, San Juan County

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of below-grade tanks on Enduring Resources, LLC. (Enduring) locations. This is Enduring's standard procedure for all below-grade tanks. A separate plan will be submitted for any below-grade tank which does not conform to this plan.

General Plan

- Enduring will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.
 Closure Date is March 13, 2018
- 2. Enduring will close a below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC. Closure Date is March 13, 2018
- 3. Enduring will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.
 Required C-144 Form is attached to this document.
- 4. Enduring will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:

Envirotech Permit No. NM01-0011 and IEI Permit No. NM 01-0010B Soil contaminated by exempt petroleum hydrocarbons Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes

Basin Disposal Permit No. NM01-005

Produced water

All liquids and sludge were removed from the tank prior to closure activities.

5. Enduring will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Enduring has removed the below grade tank, and will dispose of it at a division approved facility, or recycle, reclaim or reuse it in a manner that is approved by the division.

- 6. Enduring will remove any on-site equipment associated with a below-grade tank unless the equipment is required for some other purpose.
 This location is still in production. All other on-site equipment will be utilized in the continued production of oil and gas.
- 7. Enduring will test the soils beneath the below-grade tank to determine whether a release has occurred. At a minimum 5 point composite sample will be collected along with individual grab samples from any area that is wet, discolored or showing other evidence of a release. Samples will be analyzed for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 8015M or other EPA method that the division approves, does not exceed 100mg/kg; and the chloride concentration, as determined by EPA method 9056A or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. Enduring will notify the division of its results on form C-141.

Components	Test Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	< 0.000594 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	< 0.008908
TPH	EPA SW-846 8015M	100	< 9.5619 mg/kg
Chlorides	EPA 9056A	250 or background	75.7 mg/kg

A five point composite sample was taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached).

- 8. If Enduring or the division determines that a release has occurred, Enduring will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.
 No Release has occurred at this location
- 9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, Enduring will backfill the excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; recontour and re-vegetate the site.
 The site has been backfilled, and will be recontoured and revegetated upon P&A of the wellsite.
- 10. Notice of Closure operations will be given to the Aztec Division District III office between 72 hours and one week prior to the start of closure activities via email or verbally. The notification will include the following:
 - i. Operator's name
 - ii. Well Name and API Number
 - iii. Location by Unit Letter, Section, Township, and Range

Notification was provided to Mr. Cory Smith with the Aztec office of the OCD via email on March 8, 2018; see attached email printout.

The surface owner shall be notified of Enduring's proposal to close the BGT as per the approved closure plan using certified mail, return receipt requested.

The State Land Office was notified on March 8, 2018 via email; see attached email printout.

11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.

This site will be recontoured and revegitated once plugging and abandoning activities have been completed. The site will be recontoured to match the above mentioned specifications.

12. A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

The area has been backfilled to match these specifications.

- 13. Enduring will seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. The site will be re-seeded per the SLO specifications once plugging and abandoning activities have been completed.
- 14. All closure activities will include proper documentation and be available for review upon request and will be submitted in closure report form to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on form C-144 and incorporate the following:
 - Proof of closure notice to division and surface owner; attached
 - Details on capping and covering, where applicable; per OCD Specifications
 - Confirmation sampling analytical results; attached
 - Disposal facility name(s) and permit number(s); attached
 - Soil backfilling and cover installation; per OCD Specifications
 - Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable); **pursuant to SLO specifications**
 - Photo documentation of the site reclamation. attached

James McDaniel

From:	James McDaniel
Sent:	Thursday, March 08, 2018 10:05 AM
То:	'cory.smith@state.nm.us'; 'Vanessa.Fields@state.nm.us'; 'emartin@slo.state.nm.us'
Cc:	Jacob Ellis; Antonio Lucero
Subject:	Burrough COM B #4A BGT Closure

Ladies and Gentlemen,

Please accept this email as the required notification of closure activities for the below grade tank at the Burrough COM B 4A well location (API 30-045-30195) located in Unit M, Section 2, Township 27N, Range 9W, San Juan County, New Mexico. This pit is being closed and brought above grade as a site upgrade. The removal is scheduled for Tuesday, March 13th at 11 AM. Thank you.

James McDaniel HSE Coordinator Enduring Resources CSP #30009 CHMM #15676 *Office:* 505-636-9731 *Cell:* 505-444-3004 jmcdaniel@enduringresources.com





ANALYTICAL REPORT March 21, 2018

L977441



Enduring Resources

Sample Delivery Group: Samples Received: Project Number: Description: Site: Report To:

03/14/2018 **BGT** Closure **BURROUGH COM B#4A**

James McDaniel 332 County Road 3100

Aztec, NM 87410

Entire Report Reviewed By: Napline & Richards

Daphne Richards Technical Service Representative

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 ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Ss ℃n Sr QC GI AI ⁹Sc

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ACCOUNT:
Enduring Resources

SDG:

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

BGT COMPOSITE L977441-01 Solid	Collected by James McDaniel	Collected date/time 03/13/18 11:15	Received date/time 03/14/18 08:45		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1086408	1	03/20/18 09:47	03/20/18 09:56	JD
Wet Chemistry by Method 9056A	WG1086198	1	03/20/18 16:30	03/20/18 19:33	LAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1084827	1	03/14/18 23:09	03/15/18 18:25	RAS
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1086079	1	03/17/18 18:48	03/18/18 13:12	ACM



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CASE NARRATIVE

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, and no information or data have been knowingly withheld that would affect the quality of the data.

Vaplime R Richards

Daphne Richards Technical Service Representative



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BGT COMPOSITE Collected date/time: 03/13/18 11:15

SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

Cn

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср	
Analyte	%			date / time		2	
Total Solids	84.2		1	03/20/2018 09:56	WG1086408	Tc	
Wet Chemistry by Meth	od 9056A					³ Ss	

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
Chloride	75.7		11.9	1	03/20/2018 19:33	WG1086198

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		QC
Benzene	ND		0.000594	1	03/15/2018 18:25	WG1084827	
Toluene	ND		0.00594	1	03/15/2018 18:25	WG1084827	7 CI
Ethylbenzene	ND		0.000594	1	03/15/2018 18:25	WG1084827	01
Total Xylene	ND	JG	0.00178	1	03/15/2018 18:25	WG1084827	
TPH (GC/FID) Low Fraction	ND		0.119	1	03/15/2018 18:25	WG1084827	Ă
(S) a,a,a-Trifluorotoluene(FID)	101		77.0-120		03/15/2018 18:25	WG1084827	
(S) a,a,a-Trifluorotoluene(PID)	105		75.0-128		03/15/2018 18:25	WG1084827	°Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		4.75	1	03/18/2018 13:12	WG1086079
C28-C40 Oil Range	ND		4.75	1	03/18/2018 13:12	WG1086079
(S) o-Terphenyl	58.5		18.0-148		03/18/2018 13:12	WG1086079

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Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY L977441-01

ONE LAB. NATIONWIDE.

Tc

³Ss

℃n

Sr

Method Blank (MB)

(MB) R3294868-1 0	3/20/18 09:56			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000			

L977453-01 Original Sample (OS) • Duplicate (DUP)

(OS) L977453-01 03/20/1	8 09:56 • (DUP)	R3294868-3	03/20/18	09:56		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	72.5	77.6	1	6.71	<u>J3</u>	5

Laboratory Control Sample (LCS)

ACCOUNT:

Enduring Resources

Laboratory Cont	rol Sample (L	CS)				-	⁷ GI
(LCS) R3294868-2 03	8/20/18 09:56						
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier		8
Analyte	%	%	%	%			AI
Total Solids	50.0	50.0	100	85.0-115		[9
							Sc

PROJECT:

SDG:

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Method Blank (MB)

	D220E0421	02/20/10	17.07
(IVID)	K3295042-1	03/20/18	17.07

	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/kg		mg/kg	mg/kg	
Chloride	1.15	Ţ	0.795	10.0	

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

(LCS) R3295042-2 03/20/18 17:28 • (LCSD) R3295042-3 03/20/18 17:49										
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	201	205	101	103	80.0-120			1.92	15



Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY

L977441-01

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Method Blank (MB)

(MB) R3293671-5 03/15/1	8 11:30				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/kg		mg/kg	mg/kg	
Benzene	U		0.000120	0.000500	
Toluene	0.000406	J	0.000150	0.00500	
Ethylbenzene	0.000122	Ţ	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)	101			77.0-120	
(S) a,a,a-Trifluorotoluene(PID)	106			75.0-128	

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

(LCS) R3293671-1 03/15/18	8 09:45 • (LCSD) R3293671-2	03/15/18 10:06									
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits		
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%		
Benzene	0.0500	0.0483	0.0491	96.5	98.2	71.0-121			1.74	20		
Toluene	0.0500	0.0494	0.0498	98.9	99.6	72.0-120			0.686	20		
Ethylbenzene	0.0500	0.0509	0.0513	102	103	76.0-121			0.858	20		
Total Xylene	0.150	0.160	0.161	107	108	75.0-124			0.809	20		
(S) a,a,a-Trifluorotoluene(FID)				99.8	99.5	77.0-120						
(S) a,a,a-Trifluorotoluene(PID)				104	104	75.0-128						

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

(LCS) R3293671-3 03/15/1	18 10:27 • (LCSD) R3293671-4	03/15/18 10:48							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
TPH (GC/FID) Low Fraction	5.50	5.32	5.37	96.7	97.7	70.0-136			0.986	20
(S) a,a,a-Trifluorotoluene(FID)				98.0	98.1	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				117	117	75.0-128				

PROJECT:

DATE/TIME: 03/21/18 14:36

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Tc

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Sr

GI

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Sc

QUALITY CONTROL SUMMARY

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Volatile Organic Compounds (GC) by Method 8015/8021

L977441-01

L977441-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L977441-01 03/15/18 18:25 • (MS) R3293671-6 03/15/18 18:46 • (MSD) R3293671-7 03/15/18 19:07

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Benzene	0.0594	ND	0.0278	0.0361	46.3	60.2	1	10.0-146			25.9	29
Toluene	0.0594	ND	0.0264	0.0326	43.1	53.5	1	10.0-143			20.9	30
Ethylbenzene	0.0594	ND	0.0240	0.0276	40.1	46.2	1	10.0-147			14.1	31
Total Xylene	0.178	ND	0.0715	0.0825	40.1	46.3	1	10.0-149	<u>J6</u>	<u>J6</u>	14.3	30
(3) a,a,a-Trifluorotoluene(FID)					99.5	101		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					103	104		75.0-128				

L977441-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L977441-01 03/15/18	18:25 • (MS) R3	293671-8 03/1	5/18 19:28 • (MS	SD) R3293671-	9 03/15/18 19:4	19						
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	6.53	ND	3.66	3.59	56.1	54.9	1	10.0-147			2.06	30
(S) a,a,a-Trifluorotoluene(FID)					93.7	94.0		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					109	108		75.0-128				

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QUALITY CONTROL SUMMARY

Semi-Volatile Organic Compounds (GC) by Method 8015

Method Blank (MB)

(MB) R3294151-1 03/18/	/18 04:50				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/kg		mg/kg	mg/kg	
C10-C28 Diesel Range	U		1.61	4.00	
C28-C40 Oil Range	U		0.274	4.00	
(S) o-Terphenyl	149	<u>J1</u>		18.0-148	

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

(LCS) R3294151-2 03/18/18	05:03 • (LCSD) R3294151-3	03/18/18 05:17							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
C10-C28 Diesel Range	50.0	51.9	44.5	104	89.1	50.0-150			15.2	20
(S) o-Terphenyl				137	123	18.0-148				



ACCOUNT: Enduring Resources PROJECT:

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GLOSSARY OF TERMS

Тс

Cn

Qc

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, 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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

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L977441

ACCREDITATIONS & LOCATIONS

ONE LAB, NATIONWIDE.

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ESC Lab Sciences 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 ESC Lab Sciences.

State Accreditatio	ins		
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
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee 14	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

ESC Lab Sciences 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. ESC Lab Sciences performs all testing at our central laboratory.



Enduring Resources 332 County Road 3100 Aztec, NM 87410		Billing Information:					Analysis / Container / Preservative									Chain of Custody Page of		
			James McDaniel 332 County Road 3100 Aztec, NM 87410					The second second		dr.						*	SC	
Beport to: James McDanie Project Description: BLAT CLOCUTE			Email To: mcolanie @ resources City/State Collected: R/mass / h				5 6	(BTEX)	ado Sando							12065 Letianor 9d Moont Juliet, TN 37122 Phone: 800-767-959 Fax: 615-758-3859 La 97-744/ B100 Acctnum: ENDRESANM Template: Prelogin: TSR: 288 - Daphne Richards PB:		
none: 505-636-9731	15-636-9731			Lab Project #							and the							
Collected by (pript): Same Ac Anic Site/Facility ID # Collected by (signature): Collected by (signa			P.O. # P.O. # P.O. # Quote # Day (Rad Only) Day (Rad Only) Date Results Needed				stor of ball			and the second se								
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntr	Q	B	pla		1					Shipped Via:		
36T composite	Comp	SS	6-6	3/13/	18 1110	- 1	X	X	X							Remarks	Sample # (lab init)	
	11/1		Service 3	Constants	a platet			and a		Sec. 3						and the second second	The second	
	1					jà:		1		in the							1	
		- A																
	4															-		
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other	Remarks:											COC COC Bott	COC Seal Present/Intact:					
	Samples returned via: UPSFedExCourier Tracking # 4190						320	00	184	Prow Other				Corr Suff VOA	Correct Dottles used:			
Relinquisher by (Signature) Date:		3/13	S/18 1400 Received by: (Signati			Signature)	ure)			Trip Blank Received: Yes / No HCL/ MeoH TBR				i Pres	reservation correct one chedr _1			
efinquished by : (Signature) /		Date:		lime:	Received by:	Signature)				Temp: °C Bottles Received:				If pre	If preservation required by Login: Date/Time			
Relinquished by : (Signature)		Date:	1	lime:	Received for I	ature)	ure)			Date: Time: 3-14-18 0845					3- 34	NCF / O		

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Enduring Resources, LLC BGT Closure Report Burroughs COM B #4A 30-045-30195



PHOTO 1: BGT Area after set of new Above Grade Tank

Mr. Cory Smith Oil Conservation Division 1000 Rio Brazos Rd. Aztec, New Mexico 87410 Email: cory.smith@state.nm.us Phone (505) 334-6178 Ext 115

Re: Variance Request for 19.15.17 NMAC Table I and Table II

Mr. Smith,

Please accept this letter as a variance request as outlined in 19.15.17.15(A) NMAC. Enduring Resources, LLC (Enduring) would like to request the replacement of USEPA Method 418.1 for the analysis of Total Petroleum Hydrocarbons (TPH) for USEPA Method 8015M, measuring carbon ranges C6-C36, for all sampling associated with closures and confirmations samples in relation to 19.15.17 NMAC, both in Table I and Table II (2103) and the 'pit rule' passed in 2008. Enduring is requesting this variance on the grounds that USEPA Method 418.1 is an outdated analytical method that reports a full range of hydrocarbons from C5 through C40 (*Reference: American Petroleum Institute*).

The attached table demonstrates the carbon ranges, and the typical hydrocarbon products that can be found in those ranges. As you can see, lube oil ranges from C28-C35. Analytical Method USEPA 418.1 extends past lube oils from C35 through C40. This range of hydrocarbons is above the range that can reasonably be expected to be found in our field in both drilling pits and beneath below grade tanks. USEPA Method 8015M (GRO/DRO + extended analysis) will report hydrocarbons ranging from C6-C10 for GRO, C10- C28 for DRO, and C28-C36 for extended analysis. This information was provided by Environmental Science Corporation Laboratories. As the information demonstrates, the 8015M analytical method reports as low as C6, reporting lower than USEPA Method 418.1. Utilizing analytical method 8015M, lighter range hydrocarbons will be reported instead of higher range, heavy hydrocarbons that may not be reasonably expected to be found in our field. Utilization of USEPA Method 8015M will better protect groundwater resources by identifying lighter, more mobile hydrocarbons that USEPA Method 8015M are not a mobile form of hydrocarbon, and are not a threat to human health and the environment. With your acceptance of this variance request, XTO Energy will begin utilizing USEPA Method 8015M in place of USEPA Method 418.1 for all sampling activities associated with 19.15.17 NMAC, both from the rules passed in 2008 and 2013.

Respectfully Submitted,

James McDaniel, CHMM #15676 HSE Coordinator Enduring Resources, LLC

Carbon Ranges of Typical Hydrocarbons

Hydrocarbon Carbon Range Condensate C2-C12 Aromatics C5-C7 Gasoline C7-C11 Kerosene C6-C16 Diesel Fuel C8-C21 Fuel Oil #1 C9-C16 Fuel Oil #2 C11-C20 Heating Oil C14-C20 Lube Oil C28-C35