

OLD TRAILS  
DEMOLITION  
P.O. BOX 3847  
KINGMAN, AZ 86402  
(928) 753-2957  
FAX (928) 753-5533

ASBESTOS TESTING REPORT

FOR:

CITY OF KINGMAN  
ATTENTION: JIM MCERLEAN  
1800 PICO - HOUSE  
KINGMAN, AZ

REPORT DATE: JUNE 27, 2016

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OLD TRAILS DEMOLITION  
P.O. BOX 3847  
KINGMAN, AZ 86402  
(928) 753-2957  
FAX (928) 753-5533

June 27, 2016

City of Kingman  
310 N. 4th Street  
Kingman, AZ 86401

Dear Jim McErlean:

Upon your request, on June 16th, Old Trails performed a thorough inspection of suspect ACM's for areas where renovation or demolition is to be performed. Please see attached report for the results.

Should you have any questions on the findings or recommendations of this report, feel free to contact Rob Lackey, Certified AHERA Building Inspector at Old Trails Demolitions at (928) 753-2957.

Sincerely,



Rob Lackey

AHERA Building Inspector #10051-1411667-219568

## I. Scope of Work

Old Trails was hired to perform an asbestos inspection for City of Kingman at 1800 Pico - House, Kingman, AZ. We performed inspection and bulk sampling on June 16th, 2016 per information provided by Jim McErlean.

The purpose of asbestos inspection was to ascertain the presence of asbestos or to prove materials being disturbed in project are negative for asbestos prior to renovation or demolition. If any suspect material is found that was not listed, please contact us for further testing.

## II. Building Description

The property tested is a single story masonry house.

## III. Inspection Methods

A total of twenty-seven (27) bulk samples were collected in various areas of the single story garage. A identification number was used for each sample. A total of 27 samples were analyzed (including all layers), results are reported and can be found attached in Appendix A.

## IV. Laboratory Analytical Method

The bulk samples were submitted to LA Testing, to be analyzed for asbestos content by Polarized Light Microscopy using the EPA method 600/R-93/116. LA Testing is accredited under the NIST/NVLAP program for asbestos in bulk material.

To ensure valid and reliable results and to monitor samples during collection, shipment, testing and subsequent disposal phase of potentially asbestos-containing materials, Old Trails, has established a quality assurance program for the collection and submittal of bulk samples. This program consists of:

- Creation of chain of custody form to keep track of the samples always by assigning responsibility for each phase of the data collection and analysis process to a specific person.
- Use of EPA-accredited laboratories that participate in the National

Voluntary Laboratory Accreditation Program (NVLAP) sponsored by to National Institute of Standards and Technology for asbestos testing.

## V. Results of Investigation

In accordance with the Environmental Protection Agency (EPA), any construction material containing more than one percent asbestos by weight is considered an Asbestos Containing Material (ACM). In addition, according to policies developed for schools, by the EPA, a homogenous material is considered to contain asbestos, when asbestos is detected in one or more samples of the subject material.

Table 1 - summarizes the homogenous areas inspected and sampled and presents the laboratory results.

Table 2 - summarizes the asbestos containing material.

Notes from inspector:

In conclusion, five samples came back positive for asbestos which were for the tile and mastic.

3 - 2 A - Floor Tile Yellow - 5% - Northwest Corner came back positive. All of the Yellow Floor Tile should be considered Category 1 ACM (Asbestos Containing Material). Do not cut, sand, drill, polish, grind or damage the material.

4 - 1 A & 4 - 2 B - Floor Tile - Green - 5% - Northeast Corner came back positive. All of the Green Floor Tile should be considered Category 1 ACM (Asbestos Containing Material). Do not cut, sand, drill, polish, grind or damage the material.

4 - 1 B & 4 - 2 B - Mastic - 2% - Northeast Corner came back positive. All of the Black Mastic should be considered Category 1 ACM (Asbestos Containing Material). Do not cut, sand, drill, polish, grind or damage the material.

Sincerely,



Rob Lackey

AHERA Building Inspector #10051-1411667-219568

TABLE 1 - ASBESTOS RESULTS							
1800 PICO - HOUSE							
Area Tested	Type of Material	Sample #	Sample Locations	Quantity	Condition	PLM Results	Percent
Interior	Flooring	1 - 1 A	Front Living	N/A	N/A	ND	0%
Interior	Mastic	1 - 1 B	Front Living	N/A	N/A	ND	0%
Interior	Flooring	1 - 2 A	Front Living	N/A	N/A	ND	0%
Interior	Mastic	1 - 2 B	Front Living	N/A	N/A	ND	0%
Interior	Flooring	2 - 1 A	Kitchen	N/A	N/A	ND	0%
Interior	Mastic	2 - 1 B	Kitchen	N/A	N/A	ND	0%
Interior	Flooring	2 - 2	Kitchen	N/A	N/A	ND	0%
Interior	Flooring	3 - 1 A	North Room	N/A	N/A	ND	0%
Interior	Mastic	3 - 1 B	North Room	N/A	N/A	ND	0%
Interior	Flooring	3 - 2 A	NW Corner	<1000 sq. ft.	Fair	CH	5%
Interior	Mastic	3 - 2 B	NW Corner	N/A	N/A	ND	0%
Interior	Flooring	4 - 1 A	NE Corner	<1000 sq. ft.	Fair	CH	5%
Interior	Mastic	4 - 1 B	NE Corner	<1000 sq. ft.	Fair	CH	2%
Interior	Flooring	4 - 2 A	NE Corner	<1000 sq. ft.	Fair	CH	5%
Interior	Mastic	4 - 2 B	NE Corner	<1000 sq. ft.	Fair	CH	2%
Interior	Drywall	5 - 1	Kitchen	N/A	N/A	ND	0%
Interior	Drywall	5 - 2	Center Room	N/A	N/A	ND	0%
Interior	Drywall	5 - 3	East Wall	N/A	N/A	ND	0%
Interior	Drywall	5 - 4	East Front Rm.	N/A	N/A	ND	0%
Interior	Drywall	5 - 5	Hallway	N/A	N/A	ND	0%
Interior	Drywall	5 - 6	SW Room	N/A	N/A	ND	0%
Exterior	Brick	6 - 1	Brick	N/A	N/A	ND	0%
Exterior	Brick	6 - 2	Brick	N/A	N/A	ND	0%
Exterior	Concrete	7 - 1	Concrete	N/A	N/A	ND	0%
Exterior	Concrete	7 - 2	Concrete	N/A	N/A	ND	0%
Exterior	Roofing	8 - 1	Roofing	N/A	N/A	ND	0%
Exterior	Roofing	8 - 2	Roofing	N/A	N/A	ND	0%
ND = None Detected		CH = Chrysotile		CR = Crocidolite		A = Amosite	
N/A - Not Applicable		A/P = Assume Positive		NT = Not Tested			

TABLE 2 ASBESTOS CONTAINING MATERIAL 1800 PICO - HOUSE						
Area Tested	Type of Material	Sample #	Material Location	Quantity	Recommendations	Classifications
Interior	Flooring	3 - 2 A	NW Corner	<1000 sq. ft.	Footnote 2	Category 1
Interior	Flooring	4 - 1 A	NE Corner	<1000 sq. ft.	Footnote 2	Category 1
Interior	Mastic	4 - 1 B	NE Corner	<1000 sq. ft.	Footnote 2	Category 1
Interior	Flooring	4 - 2 A	NE Corner	<1000 sq. ft.	Footnote 2	Category 1
Interior	Mastic	4 - 2 B	NE Corner	<1000 sq. ft.	Footnote 2	Category 1
Footnote 1: No action needed - under 1% chrysotile - contractor should use OSHA guidelines						
Footnote 2: Non-Friable asbestos, do not cut, sand, drill, polish or damage the material						
Operations and Maintenance Program is suggested.						
Footnote 3: Friable asbestos						
Footnote 4: Remove affected asbestos containing materials prior to demolition						
Footnote 5: Use OSHA Guidelines when removing.						
Footnote 6: Use ADEQ Guidelines.						
RACM: Regulated Asbestos Containing Material, Friable Asbestos Containing Materials or						
Category 1 Non-Friable that has become friable or will be subject of mechanical removal process.						
Category 1: Non-Friable Asbestos Containing Materials, packing, gaskets, resilient floor covering and asphalt roofing products containing more than 1% asbestos.						
Category 2: Non-Friable Asbestos Containing Material other than Category 1 Non-Friable materials that when dry cannot be crumbled, pulverized or reduced to powder by hand pressure.						
***Contractor shall verify all quantities.						
***Contractor shall follow all OSHA regulations with samples less <1%						
***All black mastic should be treated as positive						

APPENDIX A  
LABORATORY ANALYTICAL REPORT  
&  
CHAIN OF CUSTODY



# LA Testing

82 West Sierra Madre Blvd Sierra Madre, CA 91024  
Tel/Fax: (626) 355-4711 / (626) 355-4497  
http://www.LATesting.com / sierramadrelab@lateesting.com

LA Testing Order: 451602173  
Customer ID: OTRL42  
Customer PO:  
Project ID:

Attention: Julie Lackey  
Old Trails  
301 S. 4th Street  
Kingman, AZ 86401

Phone: (928) 753-2957  
Fax:  
Received Date: 06/20/2016 8:00 AM  
Analysis Date: 06/22/2016  
Collected Date: 06/16/2016

Project: 1800 PICO MAIN HOUSE

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
-1-Flooring 51602173-0001	Flooring - front living room	Tan Non-Fibrous Homogeneous	40% Cellulose 20% Synthetic	40% Non-fibrous (Other)	None Detected
-1-Mastic 51602173-0001A	Flooring - front living room	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
-2-Flooring 51602173-0002	Flooring - front living room	Tan Non-Fibrous Homogeneous	40% Cellulose 20% Synthetic	40% Non-fibrous (Other)	None Detected
-2-Mastic 51602173-0002A	Flooring - front living room	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
-1-Flooring 51602173-0003	Flooring - kitchen	Black/Green Non-Fibrous Homogeneous	40% Cellulose 20% Synthetic	40% Non-fibrous (Other)	None Detected
-1-Mastic 51602173-0003A	Flooring - kitchen	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
-2 51602173-0004 o mastic	Flooring - kitchen	Black/Green Non-Fibrous Homogeneous	40% Cellulose 20% Glass	40% Non-fibrous (Other)	None Detected
-1-Floor Tile 51602173-0005	Flooring - north room	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
1-Mastic 51602173-0005A	Flooring - north room	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2-Floor Tile 51602173-0006	Flooring - northwest corner	Yellow Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
2-Mastic 51602173-0006A	Flooring - northwest corner	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1-Floor Tile 51602173-0007	Flooring - northeast corner	Green Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
1-Mastic 51602173-0007A	Flooring - northeast corner	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
2-Floor Tile 51602173-0008	Flooring - northeast corner	Green Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
2-Mastic 51602173-0008A	Flooring - northeast corner	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile



# LA Testing

82 West Sierra Madre Blvd Sierra Madre, CA 91024  
 Tel/Fax: (626) 355-4711 / (626) 355-4497  
 http://www.LATesting.com / sierramadrelab@lateesting.com

LA Testing Order: 451602173  
 Customer ID: OTRL42  
 Customer PO:  
 Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-1 51602173-0009	Drywall - kitchen	White/Yellow Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
1-2 51602173-0010	Drywall - center room	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
-3 51602173-0011	Drywall - east wall	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
-4 51602173-0012	Drywall - east front room	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
-5 51602173-0013	Drywall - hallway	White/Yellow Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
-6 1602173-0014	Drywall - southwest room	Tan/White/Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1 1602173-0015	Brick - exterior	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2 1602173-0016	Brick - exterior	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1 1602173-0017	Concrete - exterior	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2 1602173-0018	Concrete - exterior	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1 602173-0019	Roofing - roof	Red/Black Non-Fibrous Homogeneous	20% Synthetic	80% Non-fibrous (Other)	None Detected
2 602173-0020	Roofing - roof	Red/Black Non-Fibrous Homogeneous	20% Synthetic	80% Non-fibrous (Other)	None Detected

Analyst(s) \_\_\_\_\_

Roger Casillas (27)

Arturo Casas Laboratory Manager  
or Other Approved Signatory

VSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL commends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by LA Testing Sierra Madre, CA NVLAP Lab Code 102116-0, CA ELAP 1269

Initial Report From: 06/22/2016 19:35:47



**Asbestos Chain of Custody**  
**EMSL Order Number (Lab Use Only)**

451602175

LATESTING  
 520 MISSION STREET  
 SOUTH PASADENA, CA 91030  
 PHONE: (800)-303-0047  
 FAX: (323)-254-9962

Company: <u>Old Trails</u>		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note Instructions in Comments**</small>	
Street: <u>P.O. Box 3847</u>		<i>Third Party Billing requires written authorization from third party</i>	
City: <u>Kippen</u>	State/Province: <u>NY</u>	Zip/Postal Code: <u>87040</u>	Country: <u>USA</u>
Report To (Name): <u>Julie Lackey</u>		Telephone #: <u>(928) 753-2957</u>	
Email Address: <u>oldtrails@nyccbak.com</u>		Fax #: <u>(928) 753-5533</u>	Purchase Order:
Project Name/Number: <u>1800 Picomain Hwy</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: <u>20</u>		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

**Turnaround Time (TAT) Options\* - Please Check**

3 Hour  
  6 Hour  
  24 Hour  
  48 Hour  
  72 Hour  
  96 Hour  
  1 Week  
  2 Week

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

<b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water:</b> EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	<b>TEM - Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <b>Soil/Rock/Vermiculite</b> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique <b>Other:</b> <input type="checkbox"/>
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Check For Positive Stop - Clearly Identify Homogenous Group      Filter Pore Size (Air Samples):  0.8µm  0.45µm

Samplers Name: Rob Lackey      Samplers Signature: Rob Lackey

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1-1	Front Living Room - Flooring		6/16/16 10:30 am
1-2	Front Living Room - Flooring		6/16/16 10:30 am
2-1	Kitchen - Flooring		6/16/16 10:30 am
2-2	Kitchen - Flooring		6/16/16 10:30 am
3-1	North room - Flooring		6/16/16 10:30 am
3-2	North West Corner - Flooring		6/16/16 10:30 am
4-1	North East Corner - Flooring		6/16/16 10:30 am
4-2	North East Corner - Flooring		6/16/16 10:30 am

Client Sample # (s): \_\_\_\_\_ Total # of Samples: 20

Relinquished (Client): Rob Lackey      Date: 6/16/16      Time: 2:07

Received (Lab): USPS      Date: 6.20.16      Time: 8:00AM

Comments/Special Instructions: \_\_\_\_\_



**Asbestos Chain of Custody**

EMSL Order Number (Lab Use Only):

451602173

EMSL ANALYTICAL, INC.  
 520 MISSION STREET  
 SOUTH PASADENA, CA 91030  
 PHONE: (800)-303-0047  
 FAX: (323) 254-9962

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
5-1	Drywall - Kitchen		6/16/16
5-2	Drywall - Center Room		6/16/16
5-3	Drywall - East Wall		6/16/16
5-4	Drywall - East front Room		6/16/16
5-5	Drywall - Hallway		6/16/16
5-6	Drywall - South West Room		6/16/16
6-1	Brick - Exterior		6/16/16
6-2	Brick - Exterior		6/16/16
7-1	Concrete - Exterior		6/16/16
7-2	Concrete - Exterior		6/16/16
8-1	Roofing		6/16/16
8-2	Roofing		6/16/16
*Comments/Special Instructions:			

APPENDIX B  
LICENSING

10051-1411667-219568

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# THE ASBESTOS INSTITUTE

*Certifies that* **ROB LACKEY**

has attended the EPA approved course

Building Inspector Refresher

and successfully passed and completed  
the competency exam.

This training meets all requirements for asbestos  
accreditation under TSCA Title II.

Issue Date : 08-Jan 2016

Expiration Date : 08-Jan 2017



  
Approved Instructor

20033 N. 19th Avenue, Building 6, Phoenix, AZ 85027  
602-8-64-6564 - [www.theasbestosinstitute.com](http://www.theasbestosinstitute.com)