0012

ACT/015/002

Sheridan, WY -- Gillette, WY -- Farmington, NM -- College Station, TX -- Bozeman, MT

Bob #2 (Already has copy)

***** PACKING SLIP ***** 3409 PAGE: 1

INTER-MOUNTAIN LABORATORIES, INC.
P.O. BOX 4006
SHERIDAN, WY

(307) 674-7506

INVOICE NUMBER: 3409
INVOICE DATE: 06/30/99
LAB LOCATION: 0003
2506 West Main Street
Farmington, NM 87401

Utah Division of Oil, Gas and Mining
1594 West North Temple
Suite 1210
Salt Lake City UT 84114

CUSTOMER NO: 030000727 IN
Customer P.O. :

TERMS: NET 30
Attn: Robert Davidson:

SALES CD	DESCRIPTION	QUANTITY	PRICE	AMOUNT
	COC#59681, Rusle K Rcd:06/09/99 Lab#0399 S02832-35 PS#3409			
199999	Analytical Suite Rusle K - Factor Suite	3.00	90.00	270.00

Balances past due are subject to a late payment charge of 1.5% or $2.00 minimum per month.

NET INVOICE: 270.00

RInvoice.frx 950130

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iml

Inter-Mountain Laboratories, Inc.

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

June 29, 1999

Mr. Robert Davidson
Utah Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84114 – 5801

Dear Mr. Davidson:

Enclosed are the results of the analyses performed on the soil samples received by IML on June 9, 1999. The samples are part of the RUSLE K-Factor project and correspond to IML lab numbers 0399S02832 – 34. The requested analyses for each sample were particle size analysis / texture, % very fine sand, total organic carbon, % organic carbon, % moisture, and hydraulic conductivity / permeability.

If you have any questions or comments, please feel free to contact me at 1-800-828-1409.

Sincerely,

Eric J Jaquez
Soil Lab Supervisor
IML – Farmington, NM

RECEIVED
JUL - 6 1999
DIV. OF OIL, GAS & MINING

Enclosure: analytical report

iml

Inter-Mountain Laboratories, Inc.

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

CASE NARRATIVE

Client:	Utah Division of Oil, Gas and Mining
Set ID:	0399S02832
Date rec'd:	06/09/99
Date reported:	06/28/99

Percent moisture and hydraulic conductivity were analyzed on an as-received basis. All other parameters were analyzed on a dry-weight basis.

Hydraulic conductivity was analyzed using the Constant-Head method. (Methods of Soil Analysis: Part 1 - Physical and Mineralogical Properties. ASA Monograph #9. Madison, WI. American Society of Agronomy, 1965. Method 13-3.2, pp 214 - 215.)

Reviewed: _____

Eric J Jaquez
Soil Lab Supervisor
IML - Farmington, NM

iml

Inter-Mountain Laboratories, Inc.

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

Client: Utah Division of Oil, Gas and Mining
Project: RUSLE K-Factor
Sample ID: Site #1
Lab ID: 0399S02832
Matrix: Soil
Condition: Intact

Date Received: 06/09/99
Date Reported: 06/28/99
Date Sampled: 05/27/99
Time Sampled: ng

Parameter	Analytical Result	Units
Sand	43	%
Silt	28	%
Clay	29	%
Texture	CL	
Sand, Very Fine	11	%
Total Organic Carbon (TOC)	0.82	%
Organic Matter	1.4	%
Moisture	2.3	%
Hydraulic Conductivity (rate)	4.5	cm / hour
Hydraulic Conductivity (class)	Moderate	

Reviewed by: _____

Eric J Jaquez
Soil Lab Supervisor
IML - Farmington, NM

iml

Inter•Mountain Laboratories, Inc.

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

Client: Utah Division of Oil, Gas and Mining
Project: RUSLE K-Factor
Sample ID: Site #2
Lab ID: 0399S02833
Matrix: Soil
Condition: Intact

Date Received: 06/09/99
Date Reported: 06/28/99
Date Sampled: 05/27/99
Time Sampled: ng

Parameter	Analytical Result	Units
Sand	55	%
Silt	25	%
Clay	20	%
Texture	SCL	
Sand, Very Fine	20	%
Total Organic Carbon (TOC)	0.61	%
Organic Matter	1.0	%
Moisture	2.8	%
Hydraulic Conductivity (rate)	3.9	cm / hour
Hydraulic Conductivity (class)	Moderate	

Reviewed by: _____

Eric J Jaquez
Soil Lab Supervisor
IML - Farmington, NM

iml

Inter•Mountain Laboratories, Inc.

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

Client: Utah Division of Oil, Gas and Mining
Project: RUSLE K-Factor
Sample ID: Site #3
Lab ID: 0399S02834
Matrix: Soil
Condition: Intact

Date Received: 06/09/99
Date Reported: 06/28/99
Date Sampled: 05/27/99
Time Sampled: ng

Parameter	Analytical Result	Units
Sand	49	%
Silt	27	%
Clay	24	%
Texture	SCL	
Sand, Very Fine	16	%
Total Organic Carbon (TOC)	1.3	%
Organic Matter	2.2	%
Moisture	2.9	%
Hydraulic Conductivity (rate)	12.1	cm / hour
Hydraulic Conductivity (class)	Moderately Rapid	

Reviewed by: _____

Eric J Jaquez
Soil Lab Supervisor
IML - Farmington, NM

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Inter-Mountain Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
State of Utah Div. of Oil, Gas & Mining	RUSLE K-factor

Sampler: (Signature)	Chain of Custody Tape No.
IB King	

ANALYSES / PARAMETERS

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	NA w/vfs	TOC	% moisture	Permeability	Remarks
Site #1	5/27/99			Soil	1	✓	✓	✓	✓	
" #2					1	✓	✓	✓	✓	
" #3					1	✓	✓	✓	✓	
										Fax #
										505-325-4182

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by laboratory: (Signature)	Date	Time
			Eric [signature]	6/9/99	1130

Inter-Mountain Laboratories, Inc.

- ☐ 1633 Terra Avenue, Sheridan, Wyoming 82801, Telephone (307) 672-8945
- ☐ 1701 Phillips Circle, Gillette, Wyoming 82718, Telephone (307) 682-8945
- ☒ 2506 West Main Street, Farmington, NM 87401, Telephone (505) 326-4737
- ☐ 1160 Research Drive, Bozeman, Montana 59718, Telephone (406) 586-8450
- ☐ 11183 State Hwy. 30, College Station, TX 77845, Telephone (409) 776-8945

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