



FARMINGTON LABORATORY
P.O. BOX 1289
FARMINGTON, NEW MEXICO 87499-1289
PHONE (505) 326-2588

Certificate of Analysis No. F2-9709053-02

Merrion Oil and Gas
610 Riely
Farmington, NM 87401
ATTN: Connie Dining

DATE: 09/22/97

PROJECT: Farmington

PROJECT NO:

SITE:

MATRIX: WATER

SAMPLED BY:

DATE SAMPLED: 09/08/97

SAMPLE ID: Sample "H" HAVASU #1

DATE RECEIVED: 09/09/97

ANALYTICAL DATA				
PARAMETER	RESULTS	DETECTION LIMIT	UNITS	
Calcium, Total Method 215.2 * Analyzed by: VJ Date: 09/10/97	8.0		mg/L	
Chloride Method 325.3 * Analyzed by: VJ Date: 09/17/97	275		mg/L	
Carbonate, as CaCO ₃ Method SM 4500-CO ₂ D ** Analyzed by: VJ Date: 09/18/97	Nil		mg/L	
Bicarbonate, as CaCO ₃ Method SM 4500-CO ₂ D ** Analyzed by: VJ Date: 09/18/97	1795		mg/L	
Magnesium BY CALCULATION Analyzed by: VJ Date: 09/17/97	4.86	0.1	mg/L	

RECEIVED
DEC - 5 1997
OIL CON. DIV.
DIST. 3

NIL - Defined in COMMENTS below.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc.



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17AVASU #1

ANALYTICAL DATA				
PARAMETER	RESULTS	DETECTION LIMIT	UNITS	
pH Method 150.1 * Analyzed by: VJ Date: 09/10/97	8.49			
Resistivity Method 120.1 * Analyzed by: VJ Date: 09/09/97	3.47		Mohms-cm	
Sulfate Method 375.4 * Analyzed by: VJ Date: 09/11/97	4.26	1	mg/L	
Specific Gravity ASTM D1429 Analyzed by: VJ Date: 09/16/97	1.004		g/cm3	
Total Dissolved Solids Method CALCULATION Analyzed by: VJ Date: 09/17/97	2230		mg/L	

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
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ATTN: Connie Dining

DATE: 09/22/97

PROJECT: Farmington

PROJECT NO:

SITE:

MATRIX: WATER

SAMPLED BY:

DATE SAMPLED: 09/08/97

SAMPLE ID: Sample "H" 1147454#1

DATE RECEIVED: 09/09/97

PARAMETER	ANALYTICAL DATA		DETECTION LIMIT	UNITS
	RESULTS			
Potassium, Total Method 6010A *** Analyzed by: PS Date: 09/16/97	3		2	mg/L
Sodium, Total Method 6010A *** Analyzed by: PS Date: 09/16/97	812		5	mg/L
Benzene Method 8020A Analyzed by: HS Date: 09/14/97	ND		5.0	ppb
Ethylbenzene Method 8020A Analyzed by: HS Date: 09/14/97	ND		5.0	ppb

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
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ATTN: Connie Dining

DATE: 09/22/97

PROJECT: Farmington
SITE:
SAMPLED BY:
SAMPLE ID: Sample "H"

HAYASHI #1

PROJECT NO:
MATRIX: WATER
DATE SAMPLED: 09/08/97
DATE RECEIVED: 09/09/97

ANALYTICAL DATA				
PARAMETER	RESULTS	DETECTION LIMIT	UNITS	
Toluene Method 8020A Analyzed by: HS Date: 09/14/97	ND	5.0	ppb	
Total Xylene Method 8020A Analyzed by: HS Date: 09/14/97	ND	5.0	ppb	
Total Volatile Aromatic Hydrocarbons Method 8020A Analyzed by: Date:	ND		ppb	

ND - Not detected.

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