



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

Certificate of Analysis No. F2-9709053-01

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 "P"

POWELL #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	18		mg/L	
Chloride Method 325.3 * Analyzed by: VJ Date: 09/17/97	150		mg/L	
Carbonate, as CaCO3 Method SM 4500-CO2D ** Analyzed by: VJ Date: 09/18/97	Nil		mg/L	
Bicarbonate, as CaCO3 Method SM 4500-CO2D ** Analyzed by: VJ Date: 09/18/97	1140		mg/L	
Magnesium BY CALCULATION Analyzed by: VJ Date: 09/17/97	6.08	0.1	mg/L	

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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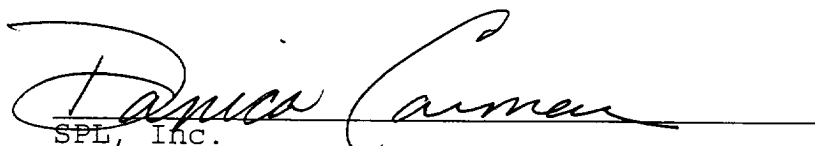
SAMPLE ID: Sample "P" POWELL #1

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ANALYTICAL DATA				
PARAMETER	RESULTS	DETECTION LIMIT	UNITS	
pH	8.21			
Method 150.1 *				
Analyzed by: VJ				
Date: 09/10/97				
Resistivity	1.877		Mohms-cm	
Method 120.1 *				
Analyzed by: VJ				
Date: 09/09/97				
Sulfate	6.30	1	mg/L	
Method 375.4 *				
Analyzed by: VJ				
Date: 09/11/97				
Specific Gravity	1.003		g/cm3	
ASTM D1429				
Analyzed by: VJ				
Date: 09/16/97				
Total Dissolved Solids	1300		mg/L	
Method CALCULATION				
Analyzed by: VJ				
Date: 09/18/97				

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ANALYTICAL DATA				
PARAMETER	RESULTS	DETECTION LIMIT	UNITS	
Potassium, Total Method 6010A *** Analyzed by: PS Date: 09/16/97	4	2	mg/L	
Sodium, Total Method 6010A *** Analyzed by: PS Date: 09/16/97	421	0.5	mg/L	
Benzene Method 8020A Analyzed by: HS Date: 09/13/97	ND	1.0	ppb	
Ethylbenzene Method 8020A Analyzed by: HS Date: 09/13/97	ND	1.0	ppb	

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
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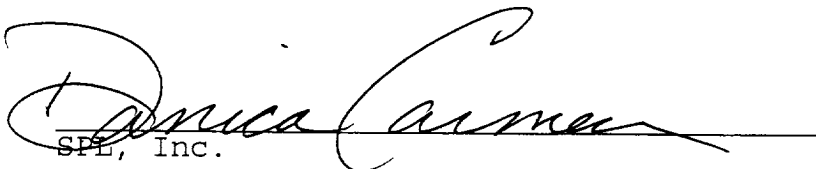
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ANALYTICAL DATA				
PARAMETER	RESULTS	DETECTION LIMIT	UNITS	
Toluene Method 8020A Analyzed by: HS Date: 09/13/97	ND	1.0	ppb	
Total Xylene Method 8020A Analyzed by: HS Date: 09/13/97	ND	1.0	ppb	
Total Volatile Aromatic Hydrocarbons Method 8020A Analyzed by: Date:	ND		ppb	

ND - Not detected.

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