Landowner complaint from Pat Smith

Spill Assessment

For:

Phillips Petroleum

Well Site

SJ 29-6 # 89 30 039 07641

980' FSL & 840 FWL, Section 11,
Township 29 North, Range 6 West, NMPM

Rio Arriba County, New Mexico

November 2001

Prepared By:

Biosphere Environmental Sciences and Technologies, LLC

NDGF0132136724

Phillips Petroleum Company

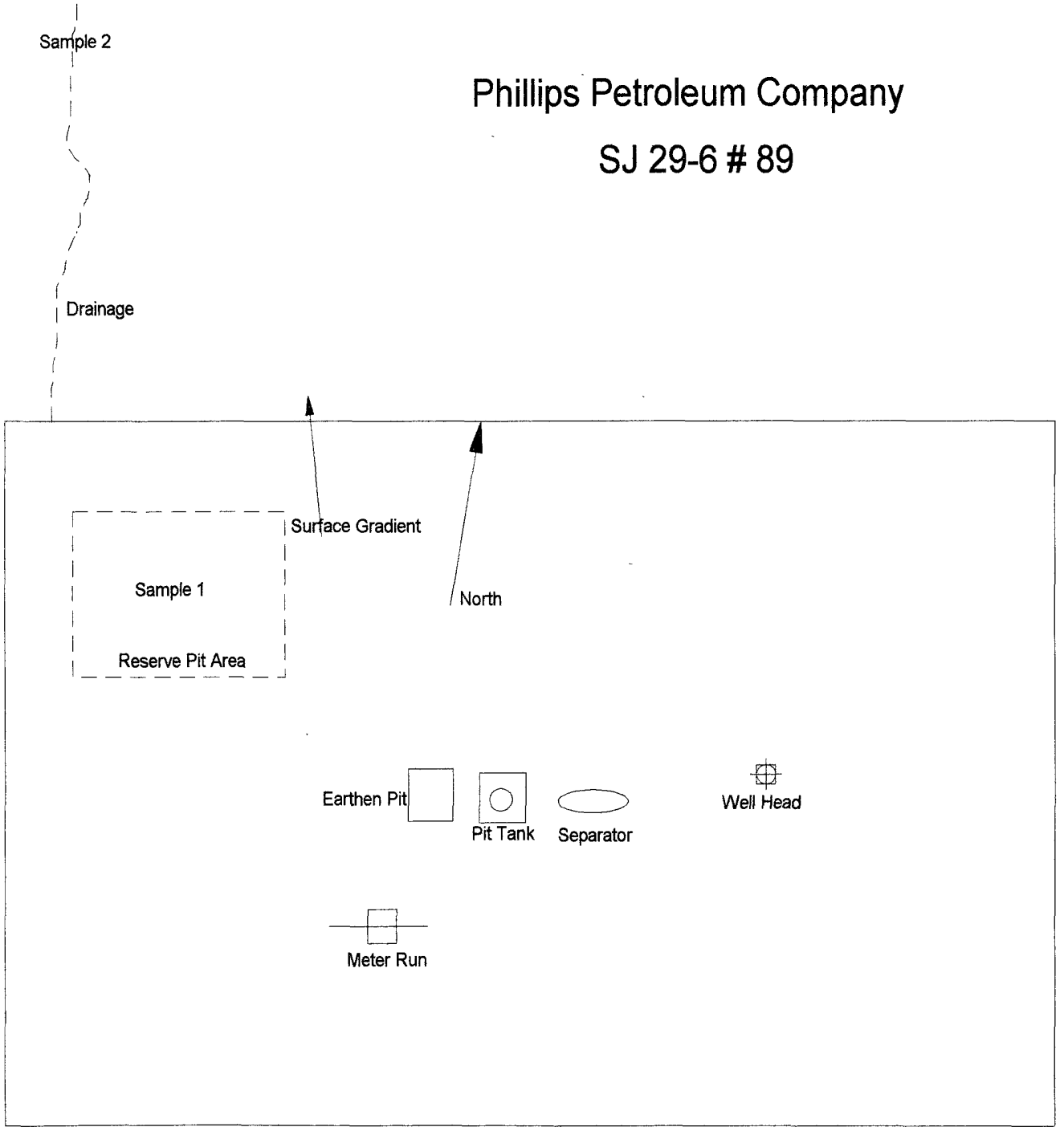
San Juan 29-6 # 89

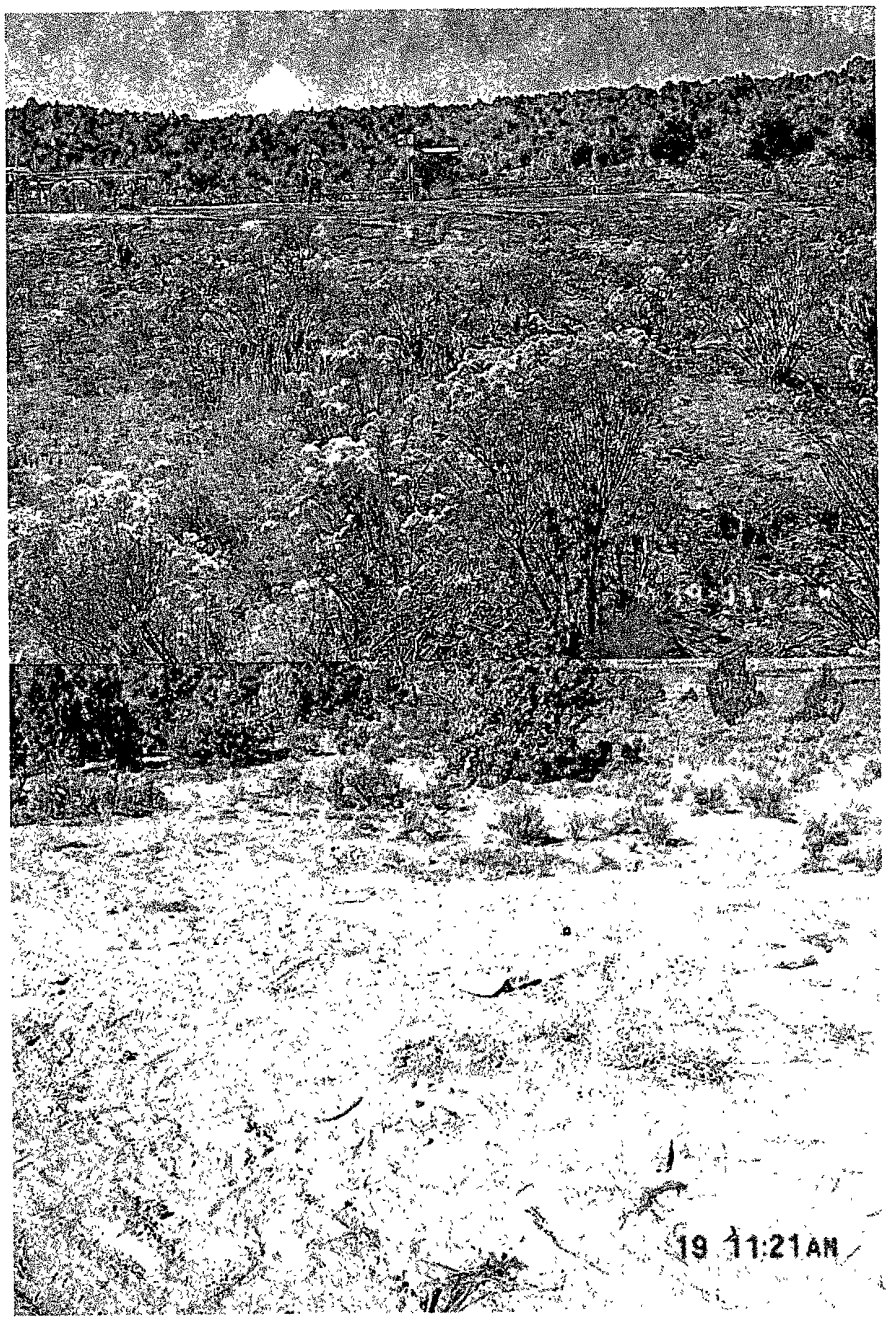
980' FSL & 840' FWL, Section 11, Township 29 North, Range 6 West, NMPM

On November 19, 2001 Biosphere Environmental Sciences & Technologies, LLC (B.E.S.T.) assessed a previous reserve pit. It was reported to have been breached and traveled down a small drainage for approximately 50 feet. Upon arrival, the pit had been closed and recontoured. Mr. Dale Lockett, operator, Phillips Petroleum Company, was interviewed. Mr. Lockett provided information as to the history and center location of the pit. The pit had been dry for over 1-year. The pit had been closed within the last 2-weeks. A soil sample was retrieved from the center of the pit area at approximately 4-feet in depth. A second sample was retrieved from the small drainage (approximately 1-foot wide by 6-inches deep) 50-feet from the pit area. The sample was retrieved from 1-foot in depth. The depth of the drainage area was limited due to bedrock. Bedrock can be seen on the surface within the 50-feet distance from the pit area. Both samples were sent to Inter-Mountain Laboratories (IML) for analysis. Results of the analysis are attached. There was not any stressed vegetation within the reported spill area.

Phillips Petroleum Company

SJ 29-6 # 89

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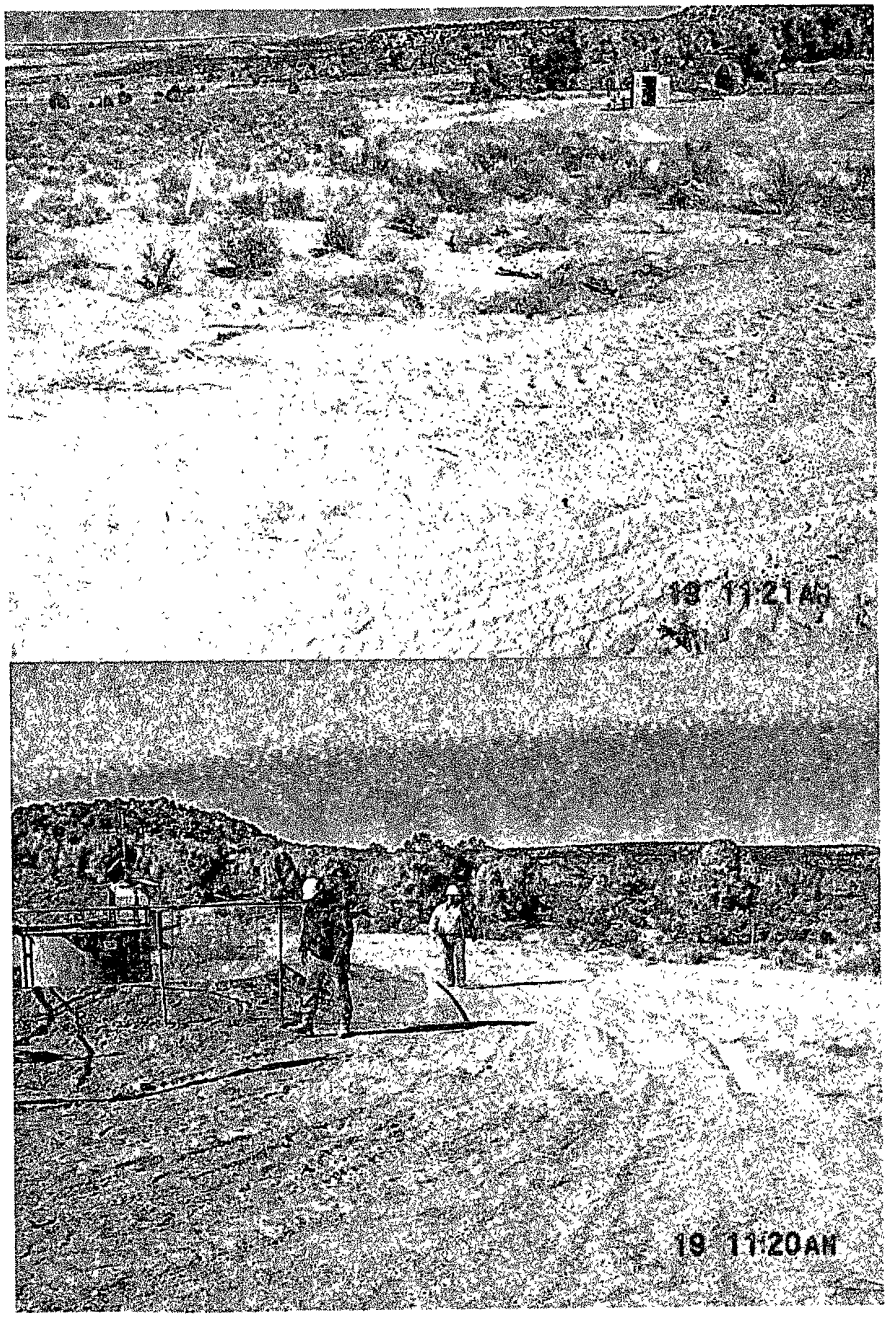
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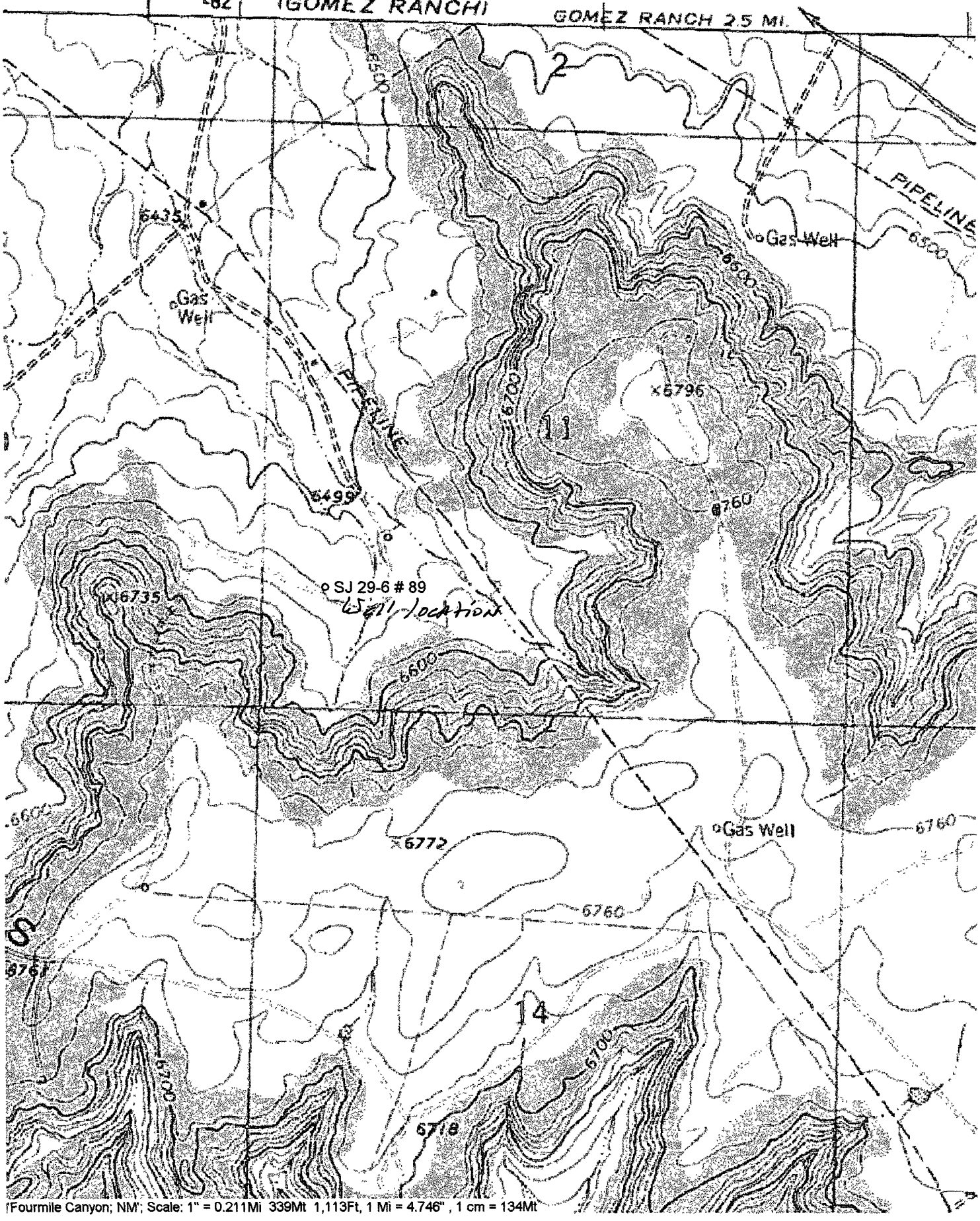
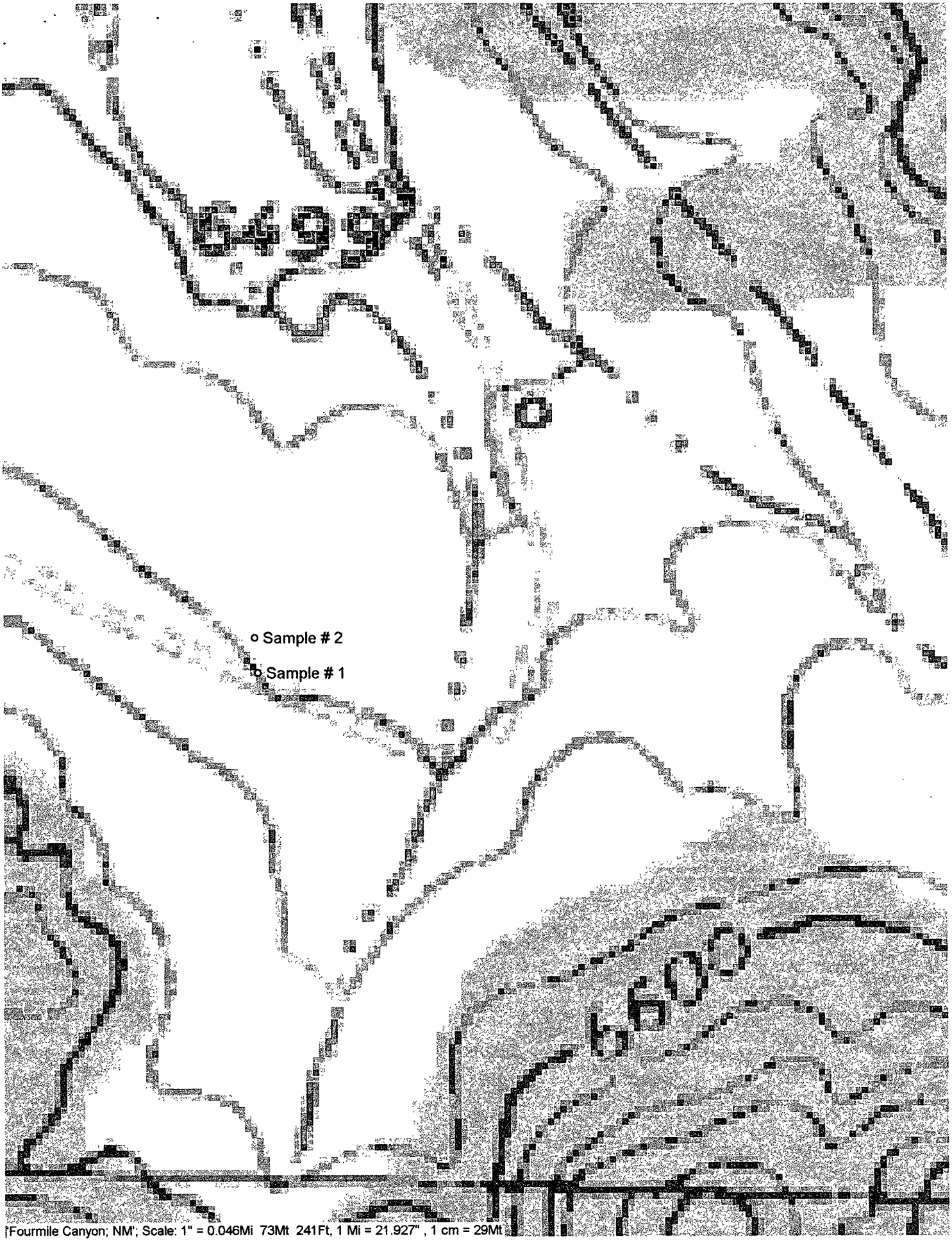
19 11:20AM



Fourmile Canyon; NM'; Scale: 1" = 0.211Mi 339Mt 1,113Ft, 1 Mi = 4.746" , 1 cm = 134Mt



[Fourmile Canyon; NM'; Scale: 1" = 0.046Mi 73Mt 241Ft, 1 Mi = 21.927" , 1 cm = 29Mt

Inter-Mountain Laboratories, Inc.
2506 West Main Street
Farmington, NM 87401

Client: Phillips Petroleum Co.
Project: SJ 29-6 Unit 89
Sample ID: Hole #1 @ 4'
Lab ID: 0301V04923
Matrix: Soil
Condition: Cool/Intact

Date Reported: 11/26/01
Date Sampled: 11/19/01
Date Received: 11/19/01
Date Extracted: N/A
Date Analyzed: 11/26/01

Parameter	Analytical Result	PQL	Units
General Parameters			
PH	8.3	0.1	s.u.
Electrical Conductivity	310	10	µmhos/cm
Ethylene Glycol	<1	1	mg/Kg
Sulfate	40	30	mg/Kg
TPH - Method 418.1			
Total Petroleum Hydrocarbons 418.1	<20	20	mg/Kg
Total Metals			
Lead	14	5	mg/Kg

Reference: EPA - "Methods for Chemical Analysis of Water and Wastes (MCAWW)" - EPA/600/4-79-020 - March, 1983.
SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: William Lipps

Analyst:

Inter-Mountain Laboratories, Inc.
2506 West Main Street
Farmington, NM 87401

Client: Phillips Petroleum Co.
Project: SJ 29-6 Unit 89
Sample ID: Hole #1 @ 1'
Lab ID: 0301W04924
Matrix: Soil
Condition: Cool/Intact

Date Reported: 11/26/01
Date Sampled: 11/19/01
Date Received: 11/19/01
Date Extracted: N/A
Date Analyzed: 11/26/01

Parameter	Analytical Result	PQL	Units
General Parameters			
PH	8.5	0.1	s.u.
Electrical Conductivity	250	10	µmhos/cm
Ethylene Glycol	<1	1	mg/Kg
Sulfate	<30	30	mg/Kg
TPH - Method 418.1			
Total Petroleum Hydrocarbons 418.1	<20	20	mg/Kg
Total Metals			
Lead	15	5	mg/Kg

Reference: EPA - "Methods for Chemical Analysis of Water and Wastes (MCAWW)" - EPA/600/4-79-020 - March, 1983.
SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: William Lipps

Analyst: