

3R - 224

REPORTS

DATE:

2001

Certified Mail: #7001 1940 0003 1553 8513

February 28, 2002

RECEIVED

MAR 04 2002

**ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION**

Mr. William C. Olson
New Mexico Oil Conservation Division
1220 St. Francis Dr.
Santa Fe, NM 87504

RE: 2001 Pit Project Annual Groundwater Report

Dear Mr. Olson:

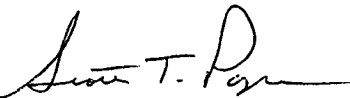
In accordance with reporting requirements, El Paso Field Services (EPFS) has enclosed annual reports for the 30 remaining groundwater impacted sites that were identified during our pit closure project of 1994 / 1995.

EPFS has organized the 30 reports (Volumes IA, IB, II and III), reports by land type. Volume IA and IB contain annual reports for sites found on Federal land. Volume II contains Non Federal sites and Volume III contains sites on Navajo land. Of the 30 reports submitted EPFS is requesting closure of three sites located on Navajo lands. Of the three Navajo sites submitted for closure OCD has closed the Charley Pah #4 and the John Charles #8. The Rementa et al #1 has not been closed by either agency. EPFS understands closure of groundwater sites on Navajo land falls under jurisdiction of the Navajo Environmental Protection Agency and original documents have been submitted to them for review. Other Navajo sites are included in the report for your information.

The Jaquez Com. C #1 and Jaquez Com. E #1 site is not included in with this report and will be submitted by the required deadline of April 1, 2002.

If you have any questions concerning the enclosed reports, please call me at (505) 599-2124.

Sincerely,



Scott T. Pope P.G.
Senior Environmental Scientist

xc: Mr. Denny Foust, NMOCD, Aztec - w / enclosures; **Certified Mail # 7001 1940 0003 1553 8506**
Mr. Bill Liesse, BLM - w / enclosures (federal sites only), **Certified Mail # 7001 1940 0003 1553 8520**

SAN JUAN BASIN PIT CLOSURES

San Juan Basin, New Mexico

**El Paso Field Services
Pit Project Groundwater Sites
Annual Report
Volume IB-Federal Sites**

RECEIVED

MAR 04 2002

**ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION**

March 2002

Prepared for

**El Paso Field Services
Farmington, New Mexico**



MWH

MONTGOMERY WATSON HARZA

EL PASO FIELD SERVICES ANNUAL GROUNDWATER REPORT

FEDERAL SITES VOLUME IB

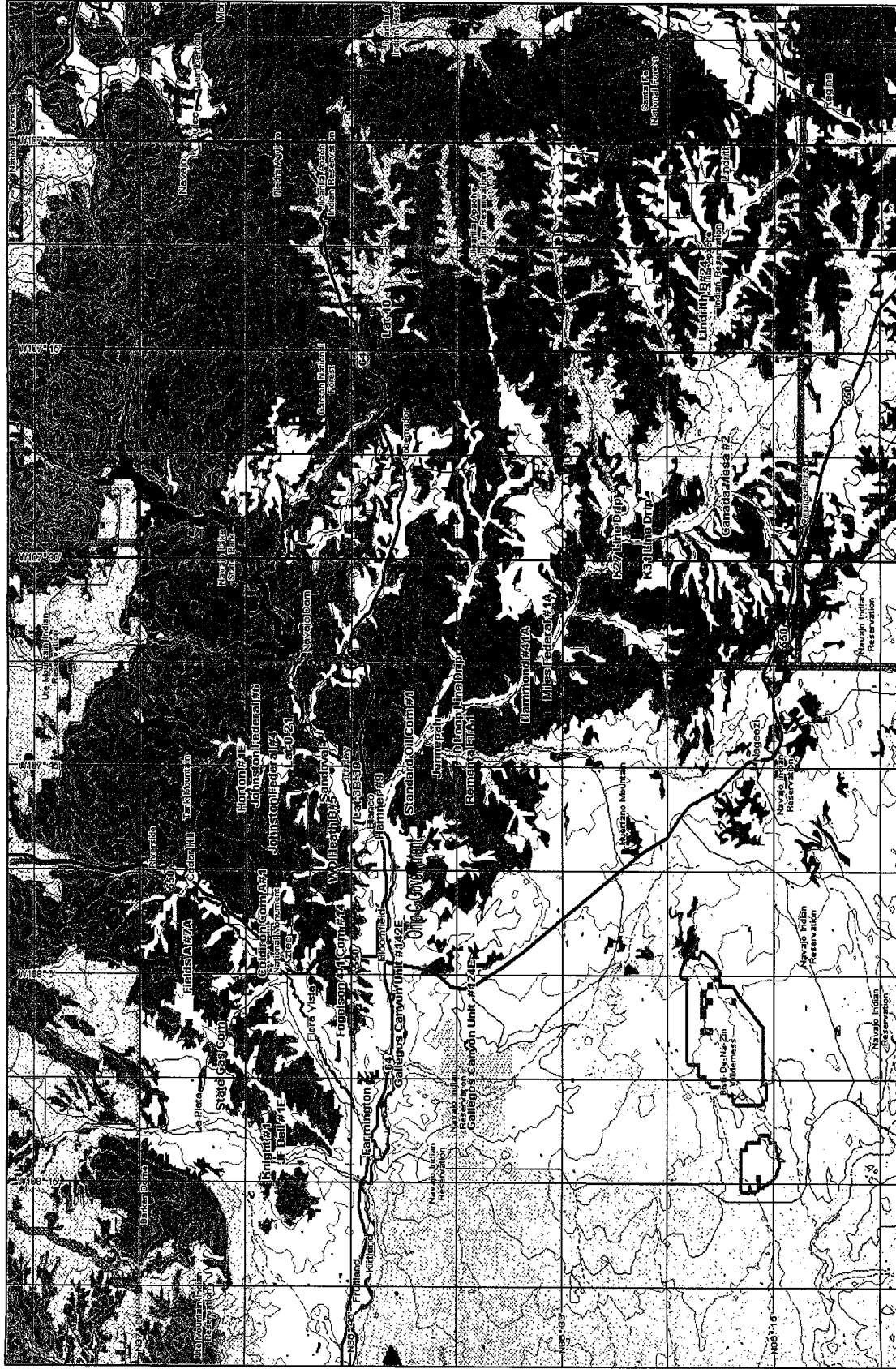
TABLE OF CONTENTS

Site Map

METER or LINE ID	SITE NAME	TOWNSHIP	RANGE	SECTION	UNIT
97213	Hamner #9	29N	09W	20	A
72890	Ohio C Government #3	28N	11W	26	P
LD169	D Loop Line Drip	28N	08W	33	I
LD174	LAT LD 40	28N	04W	13	H
89894	Hammond #41A	27N	08W	25	O
94810	Miles Fed 1A	26N	07W	5	F
LD072	K27 LD072	25N	06W	4	E
87640	Canada Mesa #2	24N	06W	24	I



Groundwater Site Map



3-D TopoQuad Copyright © 1999 Delorme Yarnworth, ME 04856 3 mi Scale: 1:600,000 Detail: 2:4 Datum: WGS84

EPFS GROUNDWATER PITS

2001 ANNUAL GROUNDWATER REPORT

Miles Fed 1A

Meter Code 94810

SITE DETAILS

Legals Twn: 26N Rng: 07W Sec: 5 UNIT: F
NMOCD Haz Ranking 40 Land Type: Federal Operator: Louis Dreyfus Natural Gas

PREVIOUS ACTIVITIES

Site Assessment: May-94 Excavation Jun-94 Soil Boring: Sep-95 Monitor Well: Sep-95
Geoprobe: Feb-97 Additional MWs: Oct-99 Downgradient MW's: Oct-99 Replace MW: NA
PSH Removal Initiated: Feb-99 ORC Nutrient Injection NA Re-Excavation: NA
Quarterly Initiated NA Annual Initiated Oct-99 Quarterly Resumed: NA

2001 ACTIVITY

Phase Separated Hydrocarbons (PSH) Removal - PSH removal continued from MW-1 through 2001.

MW2 was completed as a permanent well in 2001 - it was not sampled in 2001.

MW-3 was sampled on an annual basis in July 2001.

SUMMARY TABLES AND GRAPHS

Groundwater analytical data are presented in Table 1 BTEX and the PSH recovery data is presented in the Product Removal Table. Copies of the laboratory data sheets and associated quality assurance/quality control data are presented as Attachment 1. Included are BTEX Data graphs for MW-1 and MW-3 and a Free Product Recovery graph for MW-1.

SITE MAP

Site Maps with BTEX concentrations and groundwater elevations are attached.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

No drilling was done at this site for 2001.

DISPOSITION OF GENERATED WASTES

Generated wastes were disposed of in the Kutz Separator in Bloomfield, New Mexico.

EPFS GROUNDWATER PITS 2001 ANNUAL GROUNDWATER REPORT

Miles Fed 1A
Meter Code: 94810

ISOCONCENTRATION MAPS

No isoconcentration maps were generated for the site.

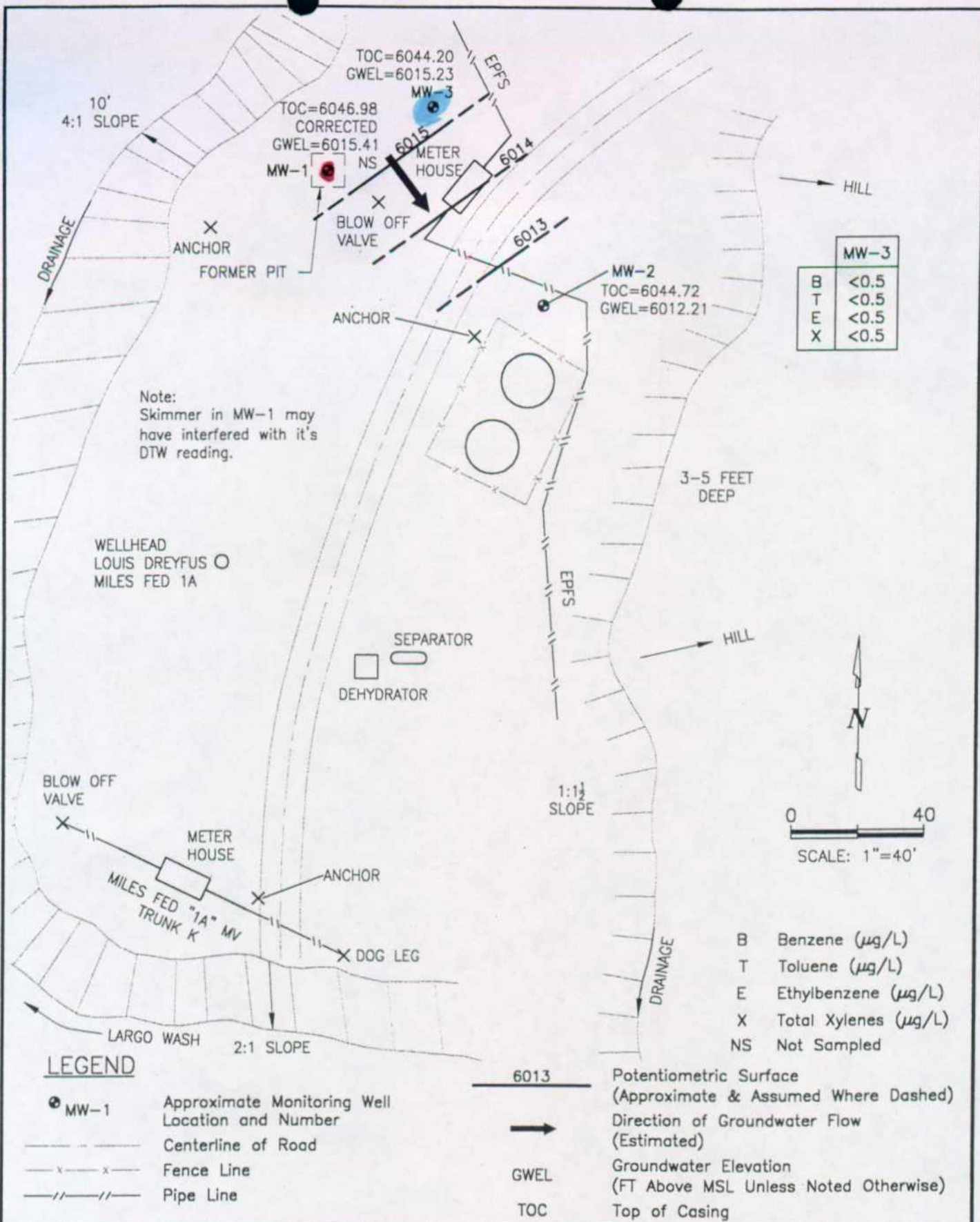
CONCLUSIONS

Phase separated hydrocarbons recovered from MW-1 totaled 7.75 gallons in 2001. A cumulative of 7.75 gallons has been recovered at this site as the skimmers were installed this year.

MW-2 was completed as permanent monitoring well, but was not sampled in 2001. Previously MW-2 was used as a temporary monitoring well only for the purposes of groundwater elevation measurements. MW-3 has been sampled twice, in 1999 and 2001, no detectable hydrocarbons above 1 ppb were observed. Groundwater flow direction varies from southeast (July 2001) to north (September and October 2001).

RECOMMENDATIONS

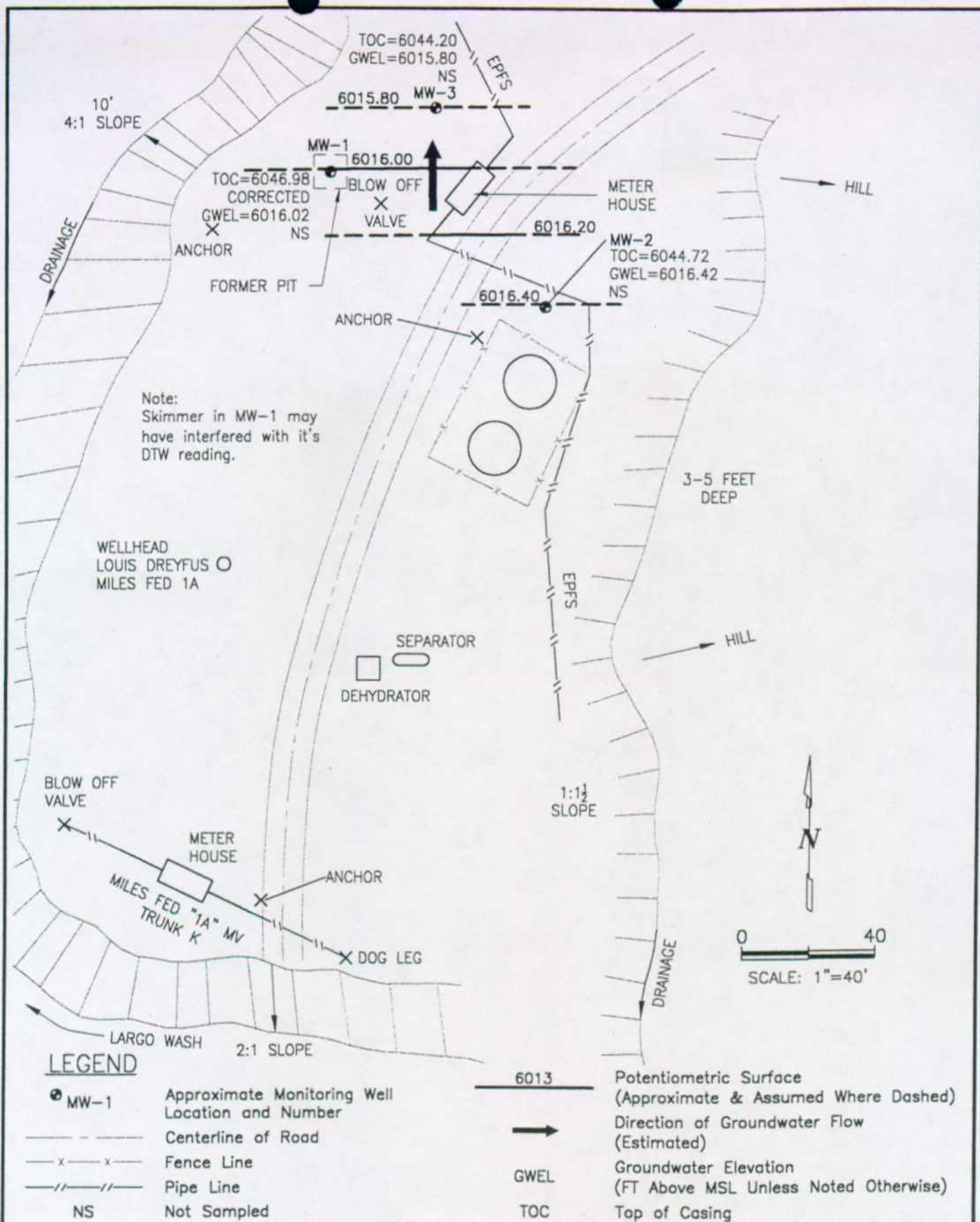
- > Continue to look for and document the presence of seeps along the side slopes of the well pad. If a seep is discovered, document with photographs, attempt to obtain water or soil samples for BTEX analyses.
- > Monitor and remove product from MW-1, as needed.
- > Following product recovery, sample MW-1 annually until BTEX constituents fall below NMWQCC groundwater standards, then sample quarterly for closure. Sample MW-2 annually and sample MW-3 only at closure.
- > Continue to monitor groundwater elevations.



MILES FED 1A (MV), METER 94497
JULY, 2001

GROUNDWATER SITES
EL PASO FIELD SERVICES

FIGURE 1



MILES FED 1A (MV), METER 94497
SEPTEMBER, 2001

GROUNDWATER SITES
EL PASO FIELD SERVICES

FIGURE 2

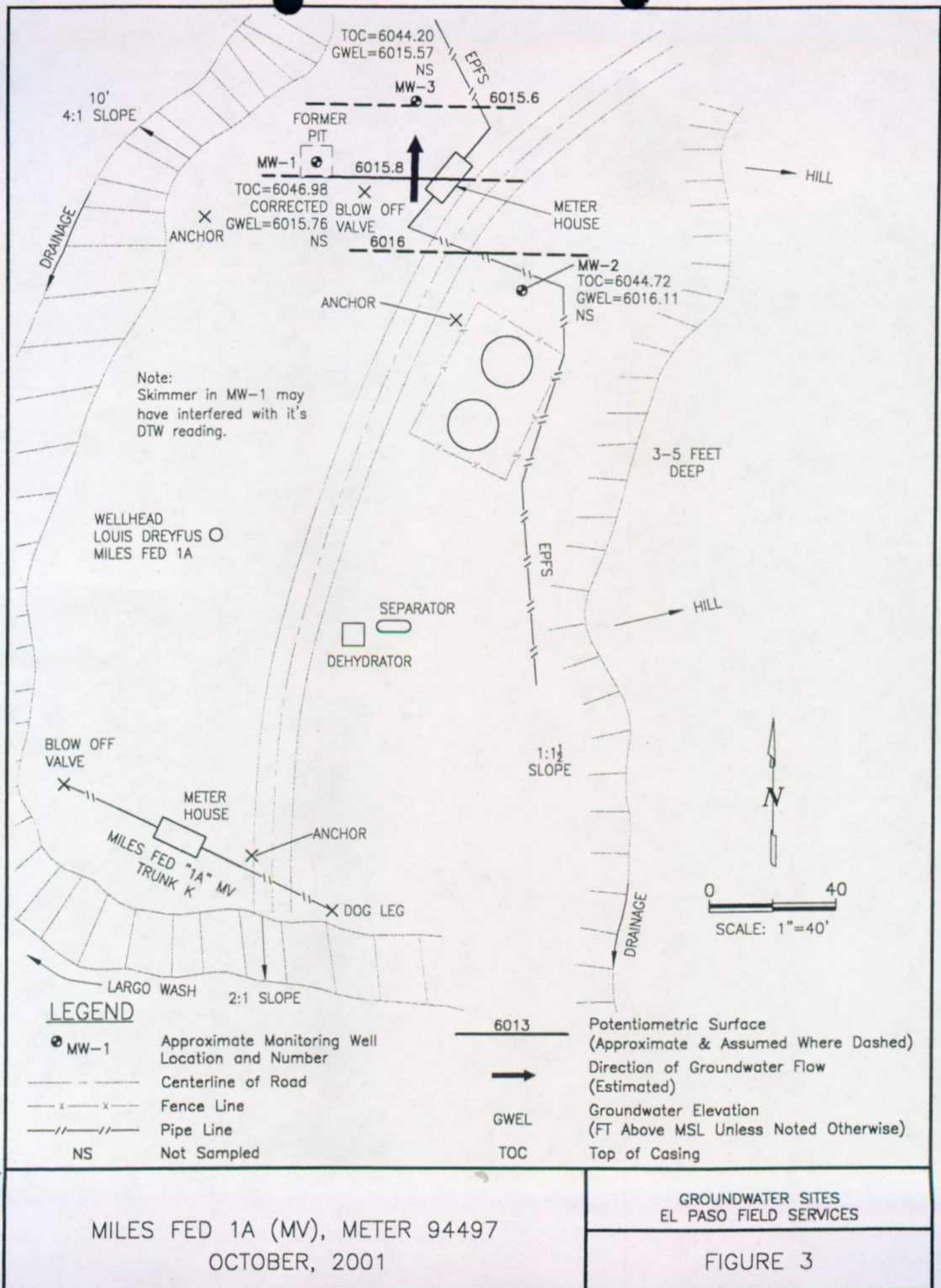
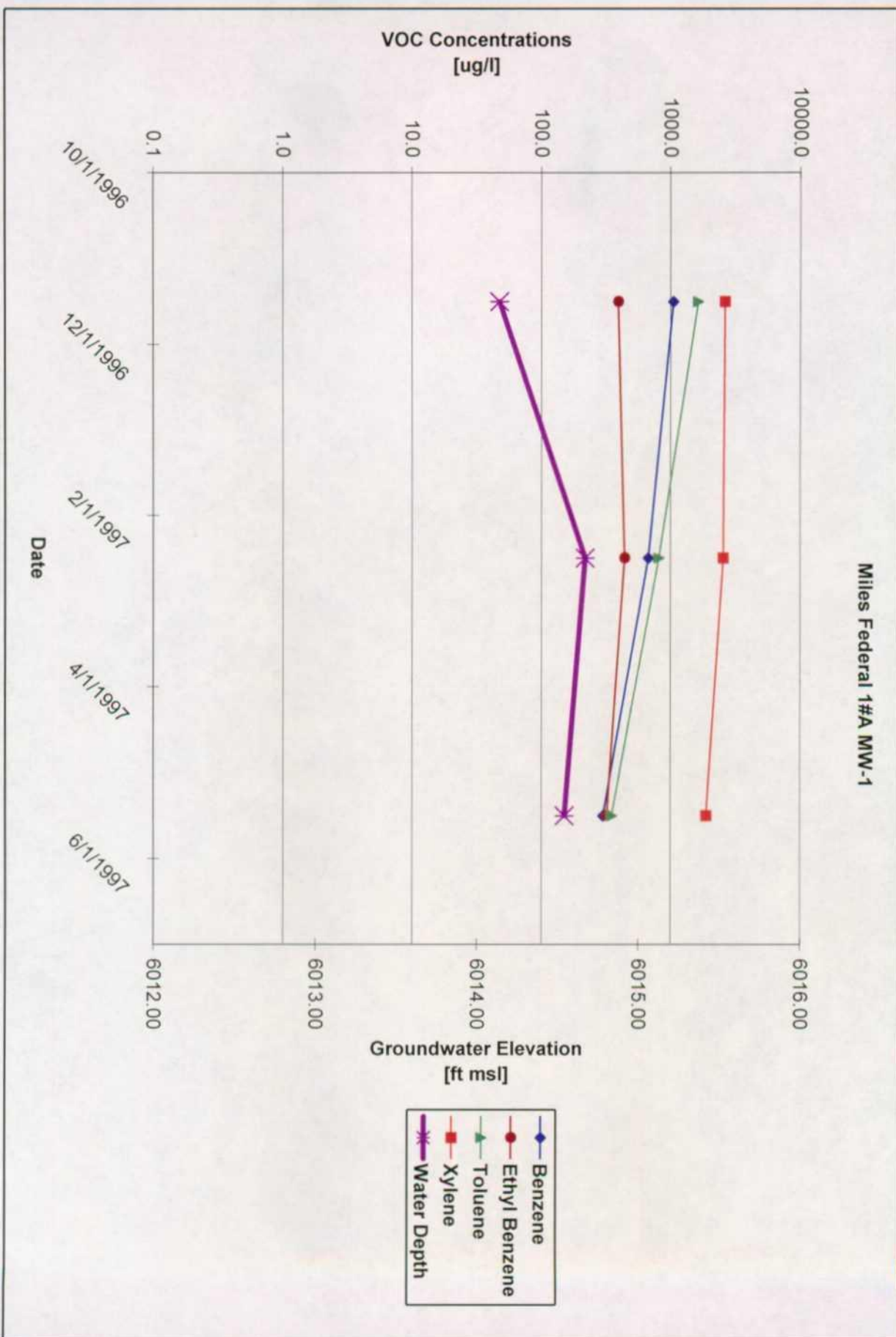
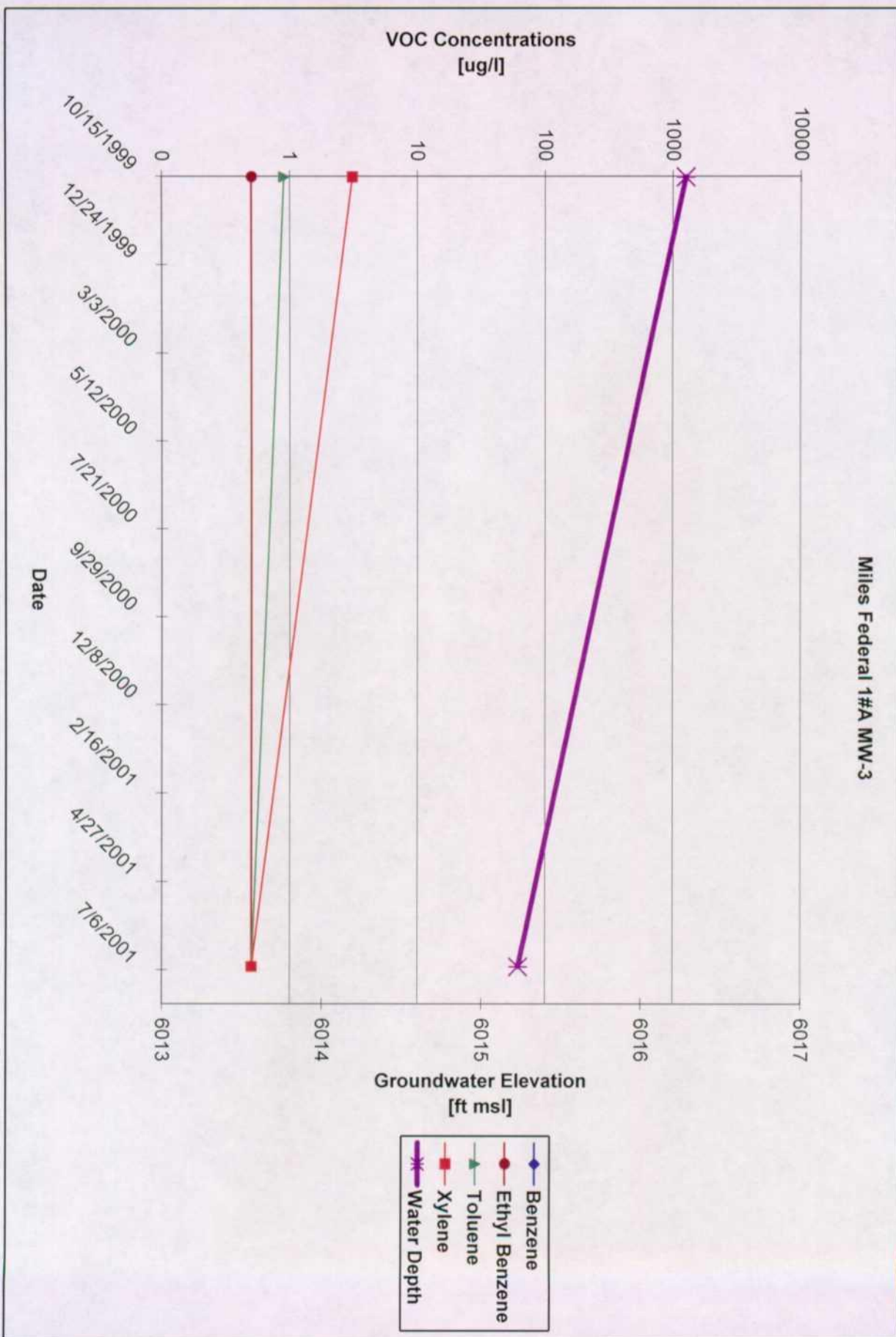


Table 1 BTEX
Miles Federal 1A

Sample #	Meter Line #	Site Name	Sample Date	MW#	Benzene (µg/l)	Ethyl Benzene (µg/l)	Toluene (µg/l)	Total Xylenes (µg/l)	Depth to Water (Feet)	Groundwater Elevation (feet)
MIL0107	94810	Miles Fed 1A	7/3/2001	3	< 0.5	< 0.5	< 0.5	< 0.5	28.97	6015.23

Miles Federal 1#A MW-1



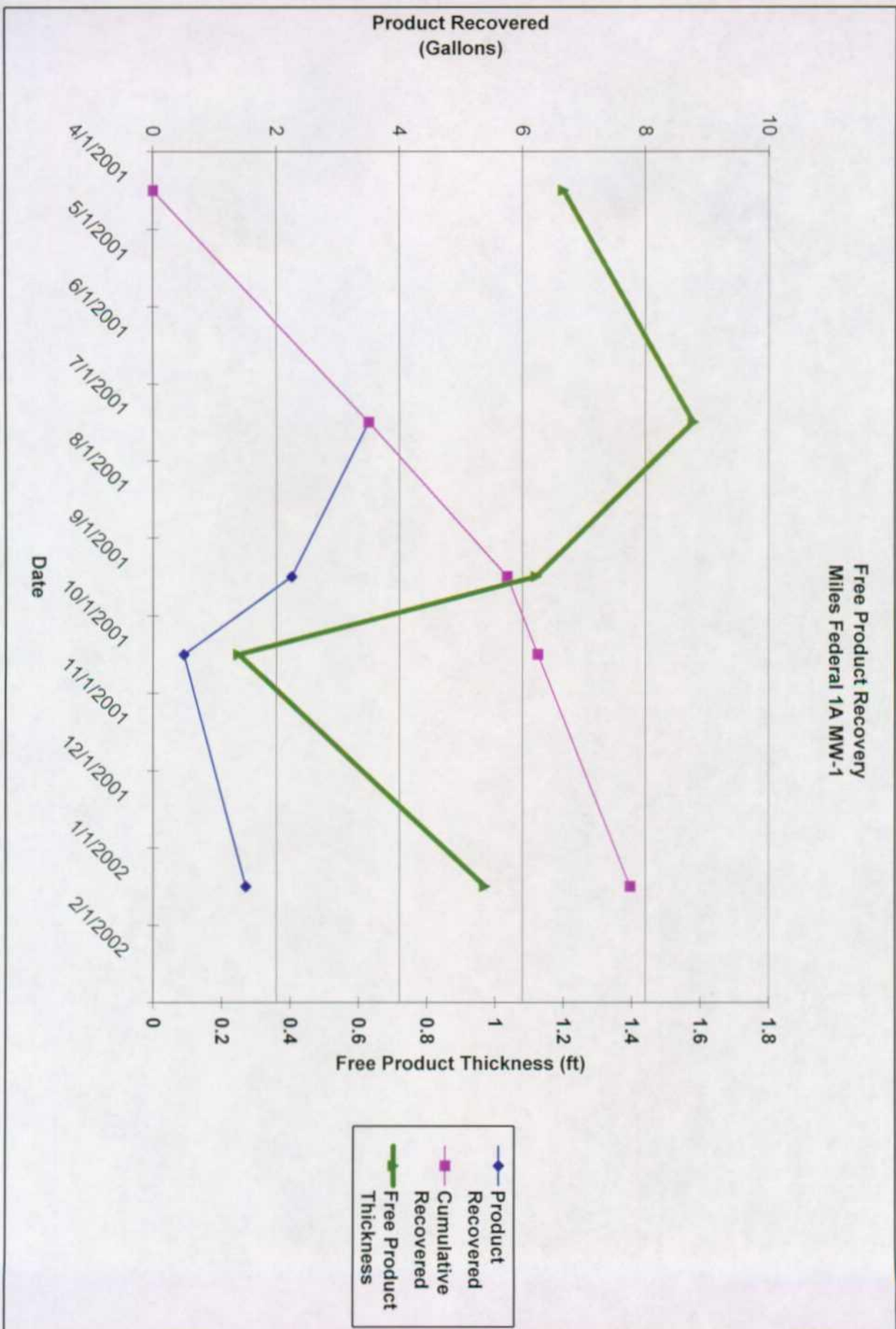


Product Removal Table
Miles Federal 1A

Meter Line	Site Name	MW#	Date	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Volume Removed (Gallons)	Cumulative Total (Gallons)
94810	Miles Fed 1A	1	4/11/2001	30.61	31.81	1.2	0	0
94810	Miles Fed 1A	1	7/3/2001	31.18	32.76	1.58	3.5	3.5
94810	Miles Fed 1A	1	9/4/2001	30.68	31.80	1.12	2.25	5.75
94810	Miles Fed 1A	1	10/1/2001	31.16	31.41	0.25	0.5	6.25
94810	Miles Fed 1A	1	1/2/2002	31.20	32.17	0.97	1.5	7.75

No product removed from MW-2 and MW-3 for 2001

Free Product Recovery
Miles Federal 1A MW-1



ATTACHMENT 1

2001 GROUNDWATER ANALYTICAL

amec

Project No.: 15/7 000/21

Task: 3

Date: 1-2-02

[illegible]

Comments: NO Skimmer in well Bailed approximately 1.5 gal product
from MW 1

Date: 1 2 02



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

Inter-Mountain Laboratories, Inc.

2506 West Main Street, Farmington, NM 87401

Date: 9/11/01
Client: Golden Environmental Management
Lab ID: 0301W03833 - 3843
Project: G169

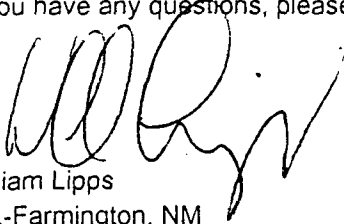
Dear Client:

The samples were received for analysis at Inter-Mountain Laboratories (IML), Farmington, New Mexico. Enclosed are the results of these analyses.

Comment:

Analytical results were obtained by approved methods. Sample analyses were obtained within the method specific holding times. Practical Quantitation Limits (PQL's) are based on method requirements, and any dilutions necessary to maintain proper method response without matrix interference.

If you have any questions, please call me at (505) 326-4737.



William Lipps
IML-Farmington, NM

Analytical Report

Client: Golden Environmental Management
Project: G169
IML Set: 0301W03833

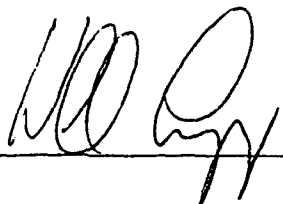
Page 1 of 1

Date Received: 09/06/01

Date Reported: 09/11/01

Lab Id	Sample Id	Date Sampled	Specific Gravity g/cc
0301W03833	LIN-0109-MW1	09/04/01	0.811
0301W03834	CAN-0109-MW1	09/04/01	0.736
0301W03835	GAL-0109-MW1	09/04/01	0.833
0301W03836	JFB-0109-MW3	09/04/01	0.773
0301W03837	072-0109-MW2	09/04/01	0.751
0301W03838	MIL-0109-MW1	09/04/01	0.754

Reviewed By:



Analytical Report

Client: Golden Environmental Management

Page 1 of 1

Project: G169

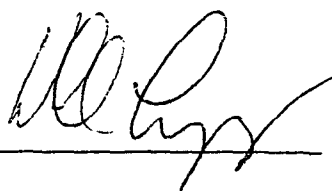
Date Received: 09/06/01

IML Set: 0301W03839

Date Reported: 09/11/01

Lab Id	Sample Id	Date Sampled	Specific Gravity g/cc
0301W03839	JOH-0109-MW1	09/05/01	0.750
0301W03839D	JOH-0109-MW1	09/05/01	0.751
0301W03840	JON-0109-MW1	09/05/01	0.757
0301W03841	KNI-0109-MW1	09/05/01	0.790
0301W03842	STA-0109-MW3	09/05/01	0.741
0301W03843	JEN-0109-MW1	09/05/01	0.761

Reviewed By:



Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 9-6-01 PAGE: 1 OF 2

PLI Accession #:

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: LISA WILSON		ANALYSIS REQUEST										RELINQUISHED BY:		RELINQUISHED BY:	
												Signature:		Signature:	
												Printed Name:		Printed Name:	
												Company:		Company:	
												See reverse side (Force Majeure)			
												Signature:		Signature:	
												Printed Name:		Printed Name:	
												Date:		Date:	
												Company:		Company:	
COMPANY: GOLDEN ENVIRONMENTAL MGMT.												Herbicides (615/8151)			
ADDRESS: 706 S. JAMES BLVD. SUITE D												Pesticides / PCB (608/8081/8082)			
PHONE: Farmington NM 87401												8260 (Landfill) Volatile Organics			
FAX: (505) 566-9114												8260 (CUST) Volatile Organics			
BILL TO: SCOTT POPE												8260 (Full) Volatile Organics			
COMPANY: El Paso Field Services												8260 (TCL) Volatile Organics			
ADDRESS: 601 Rally Ave												504.1 EDB □ / DBCP □			
Farmington NM 87401												8021 (CUST)			
												8021 (HALO)			
												8021 (EDX)			
												8021 (TCL)			
												8021 (BTEX) □ MTBE □ TMB □ PCE			
												8021 (BTEX)/8015 (Gasoline) MTBE			
												(M8015) Gas/Purge & Trap			
												Specific Gravity			
												(MOD.8015) Diesel/Direct Inject			
												Petroleum Hydrocarbons (418.1) TRPH			
SAMPLE ID		DATE		TIME		MATRIX		LAB ID							
JOH-0109-MW1		7-5-01		0700		Lg. HC									
JOH-0109-MW1		7-5-01		1000		Lg. HC									
KNT-0109-MW1		7-5-01		1100		Lg. HC									
STA-0109-MW3		7-5-01		1200		Lg. HC									
JEN-0109-MW1		7-5-01		1300		Lg. HC									
PROJECT INFORMATION		PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS										RELINQUISHED BY:		RELINQUISHED BY:	
PROJ. NO: 6169		(RUSH) (12hr) (48hr) (172hr) (1 WEEK) (NORMAL) ()										Signature:		Signature:	
PROJ. NAME: GPS Remediation Project		CERTIFICATION REQUIRED: () NM () SDWA () OTHER										Printed Name:		Printed Name:	
P.O. NO.		METHANOL PRESERVATION ()										Company:		Company:	
SHIPPED VIA:		COMMENTS: FIXED FEE ()										See reverse side (Force Majeure)			
SAMPLE RECEIPT												Signature:		Signature:	
NO. CONTAINERS		JOHNSTON FIELD # 6 (89232)										Printed Name:		Printed Name:	
CUSTODY SEALS		JOHNSTON FIELD # 4 (70174)										Date:		Date:	
RECEIVED INTACT		KNIGHT # 1 (22556)										Company:		Company:	
BLUE ICE/ICE		STATE GEO. COM. N#1 (71669)										Signature:		Signature:	
		JENNIFER # 1 (71816)										Printed Name:		Printed Name:	
												Date:		Date:	
												Company:		Company:	
												Pinnacle Laboratories Inc.		Pinnacle Laboratories Inc.	

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: <u>John W. Smith</u>				ANALYSIS REQUEST																								
COMPANY: <u>GOLDEN ENVIRONMENTAL MGMT.</u>																												
ADDRESS: <u>906 San Juan Blvd. Suite D</u>																												
PHONE: <u>605 566-9116</u>																												
FAX: <u>(505) 566-9120</u>																												
BILL TO: <u>SCOTT DODGE</u>																												
COMPANY: <u>EL PASO FIELD SERVICES</u>																												
ADDRESS: <u>601 Kelly Ave</u>																												
ADDRESS: <u>Farmington NM 87410</u>																												
SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) □ MTBE □ TMB □ PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB □ /DBCP □	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides /PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	
WIN-0109-MW1	9-4-01	1100	Liq HC				X	100	100	38	38	38	38															
CAN-0109-MW1	9-4-01	1300	Liq HC				X	100	100	38	38	38	38															
GAL-0109-MW1	9-4-01	1400	Liq HC				X	100	100	38	38	38	38															
JFB-009-MW3	9-4-01	1500	Liq HC				X	100	100	38	38	38	38															
QJ2-0109-MW2	9-4-01	1600	Liq HC				X	100	100	38	38	38	38															
MIL-0109-MW1	9-4-01	1700	Liq HC				X	100	100	38	38	38	38															

PROJECT INFORMATION		PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS	
PROJ NO: <u>6169</u>	(RUSH) □ 12-hr □ 48-hr □ 72-hr □ 1 WEEK	RELINQUISHED BY: 1. Signature: <u>[Signature]</u> Time: <u>0911</u>	RELINQUISHED BY: 2. Signature: _____ Time: _____
PROJ NAME: <u>EL PASO FARMINGTON</u>	CERTIFICATION REQUIRED: () NM () SDWA () OTHER	Printed Name: <u>Chris M. S. 2</u> Date: <u>9-6-01</u>	Printed Name: _____ Date: _____
P.O. NO.:	METHANOL PRESERVATION ()	Company: _____	Company: _____
SHIPPED VIA:	COMMENTS: <u>FIXED FEE ()</u>	See reverse side (Force Majeure)	
COMMENTS: <u>FIXED FEE ()</u> <u>WIN-0109-MW1 38241 (949167)</u> <u>CAN-0109-MW1 38241 (949167)</u> <u>GAL-0109-MW1 38241 (949167)</u> <u>JFB-009-MW3 38241 (949167)</u> <u>QJ2-0109-MW2 38241 (949167)</u> <u>MIL-0109-MW1 38241 (949167)</u>			
SAMPLE RECEIPT		RECEIVED BY: 1. Signature: <u>[Signature]</u> Time: <u>9:14</u>	
NO. CONTAINERS		RECEIVED BY: (LAB) 2. Signature: _____ Time: _____	
CUSTODY SEALS	Y/N/NA	Printed Name: _____ Date: _____	
RECEIVED INTACT		Printed Name: _____ Date: _____	
BLUE ICE/ICE		Company: <u>Pinnacle Laboratories Inc.</u>	

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

PINNACLE
LABORATORIES

Pinnacle Lab ID number **107026**
July 12, 2001

GOLDEN ENVIRONMENTAL MNGT.
906 SAN JUAN BLVD.
FARMINGTON, NM 87401

EL PASO FIELD SERVICES
614 RIELLY STREET
FARMINGTON, NM 87401

Project Name EPFS REMEDIATION PROJECT
Project Number 6169

Attention: LISA WINN/SCOTT POPE

On 07/06/01 Pinnacle Laboratories, Inc., (ADHS License No. AZ0592 pending), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505)344-3777.



H. Mitchell Rubenstein, Ph. D.
General Manager

MR: jt

Enclosure

PINNACLE
LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

CLIENT	: GOLDEN ENVIRONMENTAL MNGT.	PINNACLE ID	: 107026
PROJECT #	: 6169	DATE RECEIVED	: 07/06/01
PROJECT NAME	: EPFS REMEDIATION PROJECT	REPORT DATE	: 07/12/01
PINNACLE		DATE	
ID #	CLIENT DESCRIPTION	MATRIX	COLLECTED
107026 - 01	MIL-0107-MW3	AQUEOUS	07/03/01

PINNACLE
LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

EST : EPA 8021 MODIFIED
CLIENT : GOLDEN ENVIRONMENTAL MNGT.
PROJECT # : 6169
PROJECT NAME : EPFS REMEDIATION PROJECT

PINNACLE I.D.: 107026

AMPLE			DATE	DATE	DATE	DIL.
. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
1	MIL-0107-MW3	AQUEOUS	07/03/01	NA	07/09/01	1
PARAMETER	DET. LIMIT	UNITS	MIL-0107-MW3			
ENZENE	0.5	UG/L	< 0.5			
OLUENE	0.5	UG/L	< 0.5			
THYLBENZENE	0.5	UG/L	< 0.5			
OTAL XYLENES	0.5	UG/L	< 0.5			

URROGATE:

ROMOFLUOROBENZENE (%)

97

URROGATE LIMITS (80 - 120)

CHEMIST NOTES:

I/A

PINNACLE
LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021 MODIFIED	PINNACLE I.D.	: 107026
BLANK I. D.	: 070901	DATE EXTRACTED	: NA
CLIENT	: GOLDEN ENVIRONMENTAL MNGT.	DATE ANALYZED	: 07/09/01
PROJECT #	: 6169	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: EPFS REMEDIATION PROJECT		

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATE:
BROMOFLUOROBENZENE (%) 94
SURROGATE LIMITS: (80 - 120)
CHEMIST NOTES:
N/A

PINNACLE
LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY QUALITY CONTROL
MSMSD

TEST	: EPA 8021 MODIFIED	PINNACLE I.D.	: 107026
MSMSD #	: 107026-01	DATE EXTRACTED	: NA
CLIENT	: GOLDEN ENVIRONMENTAL MNGT.	DATE ANALYZED	: 07/09/01
PROJECT #	: 6169	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: EPFS REMEDIATION PROJECT	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	19.7	99	19.9	100	1	(80 - 120)	20
TOLUENE	<0.5	20.0	20.1	101	20.5	103	2	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	20.5	103	20.8	104	1	(80 - 120)	20
TOTAL XYLENES	<0.5	60.0	61.6	103	62.5	104	1	(80 - 120)	20

CHEMIST NOTES:
N/A

(Spike Sample Result - Sample Result)

% Recovery = $\frac{\text{Spike Sample Result} - \text{Sample Result}}{\text{Spike Concentration}} \times 100$

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) = $\frac{\text{Sample Result} - \text{Duplicate Result}}{\text{Average Result}} \times 100$

PROJECT MANAGER: LISA WINN		ANALYSIS REQUEST	
COMPANY:	G.E.M.		
ADDRESS:	906 San Juan Blvd Farmington NM. 87401		
PHONE:	(505) 566-9116		
FAX:	(505) 566-9120		
BILL TO:	SCOTT POPE		
COMPANY:	El Paso Field Services		
ADDRESS:	614 Reilly Ave. Farmington NM. 87401		
SAMPLE ID	MIL-0107-MW 3	DATE	7-3-01
TIME	12:45	MATRIX	H ₂ O
LAB	01		
		Petroleum Hydrocarbons (418.1) TRPH	
		(MOD.8015) Diesel/Direct Inject	
		(M8015) Gas/Purge & Trap	
		8021 (BTX)/8015 (Gasoline) MTBE	X
		8021 (BTX) □ MTBE □ TMB □ PCE	
		8021 (TCL)	
		8021 (EDX)	
		8021 (HALO)	
		8021 (CUST)	
		504.1 EDB □ / DBCP □	
		8260 (TCL) Volatile Organics	
		8260 (Full) Volatile Organics	
		8260 (CUST) Volatile Organics	
		8260 (Landfill) Volatile Organics	
		Pesticides /PCB (608/8081/8082)	
		Herbicides (615/8151)	
		Base/Neutral/Acid Compounds GC/MS (625/8270)	
		Polynuclear Aromatics (610/8310/8270-SIMS)	
		General Chemistry:	
		Priority Pollutant Metals (13)	
		Target Analyte List Metals (23)	
		RCRA Metals (8)	
		RCRA Metals by TCLP (Method 1311)	
		Metals:	
		NUMBER OF CONTAINERS	2

PROJECT INFORMATION		PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS	
PROJ. NO.:	6169	(RUSH) □ 24hr □ 48hr □ 72hr □ 1 WEEK	(NORMAL) ☒
PROJ. NAME:	Remediation - pag	CERTIFICATION REQUIRED: □ NM □ SDWA □ OTHER	
P.O. NO.:		METHANOL PRESERVATION □	
SHIPPED VIA:		COMMENTS: FIXED FEE □	
SAMPLE RECEIPT		miles FED.1A meter # 94810	
NO. CONTAINERS	2		
CUSTODY SEALS	YIN (NA)		
RECEIVED INTACT	YES		
BLUE ICE (CE)	23		

RELINQUISHED BY:		RELINQUISHED BY:	
Signature:	Chris A. May	Signature:	
Printed Name:	Chris A. May	Printed Name:	
Date:	7-6-01	Date:	
Company:		Company:	
See reverse side (Force Majeure)			
RECEIVED BY:		RECEIVED BY: (LAB)	
Signature:		Signature:	Harvey T. Tavares
Printed Name:		Printed Name:	Harvey T. Tavares
Date:		Date:	7/6/01
Company:		Company:	Pinnacle Laboratories Inc.

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PLEASE FILL THIS FORM IN COMPLETELY.

PINNACLE
LABORATORIES

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

July 9, 2001
Scott Pope

This is to inform you that Pinnacle Laboratories, Inc. received samples on 7-6-01.
Enclosed is a copy of the Chain of Custody. If you have any questions regarding the status of
your project please reference Pinnacle ID number 107026.

Thank you,

Jacinta Tenorio for
Jacinta Tenorio, Project Manager
Pinnacle Laboratories, Inc.

PROJECT MANAGER: LISA WINN		ANALYSIS REQUEST	
COMPANY: GEM	ADDRESS: 906 San Juan Blvd Farmington NM. 87401		
PHONE: (505) 566-9116	FAX: (505) 566-9120		
BILL TO: SCOTT POPE	COMPANY: El Paso Field Services		
ADDRESS: 614 Reilly Ave.	Farmington NM. 87401		
SAMPLE ID	DATE	TIME	MATRIX
MIL-0107-MW 3	7-3-01	1245	H ₂ O
Petroleum Hydrocarbons (418.1) TRPH			
(MOD.8015) Diesel/Direct Inject			
(M8015) Gas/Purge & Trap			
8021 (BTEX) (8015) (Gasoline) MTBE			
8021 (BTEX) MTBE			
8021 (TCL)			
8021 (EDX)			
8021 (HALO)			
8021 (CUST)			
504.1 EDB / DBCP			
8260 (TCL) Volatile Organics			
8260 (Full) Volatile Organics			
8260 (CUST) Volatile Organics			
8260 (Landfill) Volatile Organics			
Pesticides / PCB (608/8081/8082)			
Herbicides (615/8151)			
Base/Neutral/Acid Compounds GC/MS (625/6270)			
Polynuclear Aromatics (610/8310/8270-SIMS)			
General Chemistry:			
Priority Pollutant Metals (13)			
Target Analyte List Metals (23)			
RCRA Metals (8)			
RCRA Metals by TCLP (Method 1311)			
Metals:			
NUMBER OF CONTAINERS			

PROJECT INFORMATION		PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS		RELINQUISHED BY: 1.	
PROJ. NO.: 6169	(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK	☒ (NORMAL)		Signature: Chris A. May	Time: 0800
PROJ. NAME: Remediation	CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER			Printed Name: Chris A. May	Date: 7-6-01
P.O. NO.:	METHANOL PRESERVATION ☐			Company: See reverse side (Force Majeure)	
SHIPPED VIA:		COMMENTS: FIXED FEE ☐		RECEIVED BY: 2.	
SAMPLE RECEIPT		miles FED. 1A		Signature: Pinnacle	Time: 1739
NO. CONTAINERS: 2	Y/N (NA)	meter # 914810		Printed Name: Pinnacle	Date: 7/6/01
CUSTODY SEALS				Pinnacle Laboratories Inc.	
RECEIVED INTACT					
BLUE ICE (CE)					

SHADED AREAS ARE FOR LAB USE ONLY. PLEASE FILL THIS FORM IN COMPLETELY.



1. Name of the person	2. Date of birth	3. Place of birth	4. Nationality	5. Religion	6. Education	7. Occupation	8. Address	9. Telephone	10. E-mail	11. Signature	12. Stamp
1. Name of the person	2. Date of birth	3. Place of birth	4. Nationality	5. Religion	6. Education	7. Occupation	8. Address	9. Telephone	10. E-mail	11. Signature	12. Stamp

101

CHAIN OF CUSTODY

PLI Accession #:

DATE: 7-3-01 PAGE: 1 OF 1

Pinnacle Laboratories Inc.

PROJECT MANAGER: LISA WINN		ANALYSIS REQUEST											
COMPANY:	GEM.												
ADDRESS:	906 San Juan Blvd												
PHONE:	Farmington NM. 87401												
FAX:	(505) 566-9116												
BILL TO:	(505) 566-9120												
COMPANY:	SCOTT POPE												
ADDRESS:	El Paso Field Services												
	614 Reilly Ave.												
	Farmington NM. 87401												
SAMPLE ID	DATE	TIME	MATRIX	LAB ID									
MIL-0107-MW	3-2-01	12:45	H ₂ O										
					Petroleum Hydrocarbons (418.1) TRPH								
					(MOD.8015) Diesel/Direct Inject								
					(M8015) Gas/Purge & Trap								
					8021 (BTX)/8015 (Gasoline) MTBE								
					8021 (BTX) □ MTBE □ PCE								
					8021 (TCL)								
					8021 (EDX)								
					8021 (HALO)								
					8021 (CUST)								
					504.1 EDB □ / DBCP □								
					8260 (TCL) Volatile Organics								
					8260 (Full) Volatile Organics								
					8260 (CUST) Volatile Organics								
					8260 (Landfill) Volatile Organics								
					Pesticides /PCB (608/8081/8082)								
					Herbicides (615/8151)								
					Base/Neutral/Acid Compounds GC/MS (625/8270)								
					Polynuclear Aromatics (610/8310/8270-SIMS)								
					General Chemistry:								
					Priority Pollutant Metals (13)								
					Target Analyte List Metals (23)								
					RCRA Metals (8)								
					RCRA Metals by TCLP (Method 1311)								
					Metals:								
					NUMBER OF CONTAINERS								

PROJECT INFORMATION		PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS		RELINQUISHED BY:		RECEIVED BY:	
PROJ. NO:	6169	(RUSH) □ 24hr □ 48hr □ 72hr □ 1 WEEK	(NORMAL) ☒	Signature:	Time:	Signature:	Time:
PROJ. NAME:	El Paso Field Services	CERTIFICATION REQUIRED: □ NM □ SDWA □ OTHER		Printed Name:	Date:	Printed Name:	Date:
P.O. NO:		METHANOL PRESERVATION □		Company:		Company:	
SHIPPED VIA:		COMMENTS: FIXED FEE □		See reverse side (Force Majeure)			
SAMPLE RECEIPT		miles FEDIA		RECEIVED BY: (LAB)		RECEIVED BY: (LAB)	
NO. CONTAINERS		meter # 914810		Signature:	Time:	Signature:	Time:
CUSTODY SEALS	Y/N/NA			Printed Name:	Date:	Printed Name:	Date:
RECEIVED INTACT:				Pinnacle Laboratories Inc.			
BLUE ICE:							

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Date 10-1-01

Date 9-4-01

Product Recovery

Meter/Line #:	94810
Location/Line Name:	miles Fed #1A (94810)
Date:	4/1/01
MW:	1
Depth to Product:	30.61
Depth to Water:	31.81
Product Thickness:	1.2
Volume Removed:	0

Comments:

INSTALLED SKINNER

ATTACHMENT 2

**2001 MONITOR WELL
INSTALLATION RECORDS**

2 wells Miles Fed 1A

MONITOR WELL ABANDONMENT FORM

Envirotech Inc.
5796 US Hwy 64
Farmington, New Mexico 87401
(505)632-0615 Fax (505)632-1865

Project Name

EPFS Completion

Project Number/Phase

97057-049

Driller

Kelly Padilla

Date/Time Started

Date/Time Completed

Well #

MW-2 - MW-3

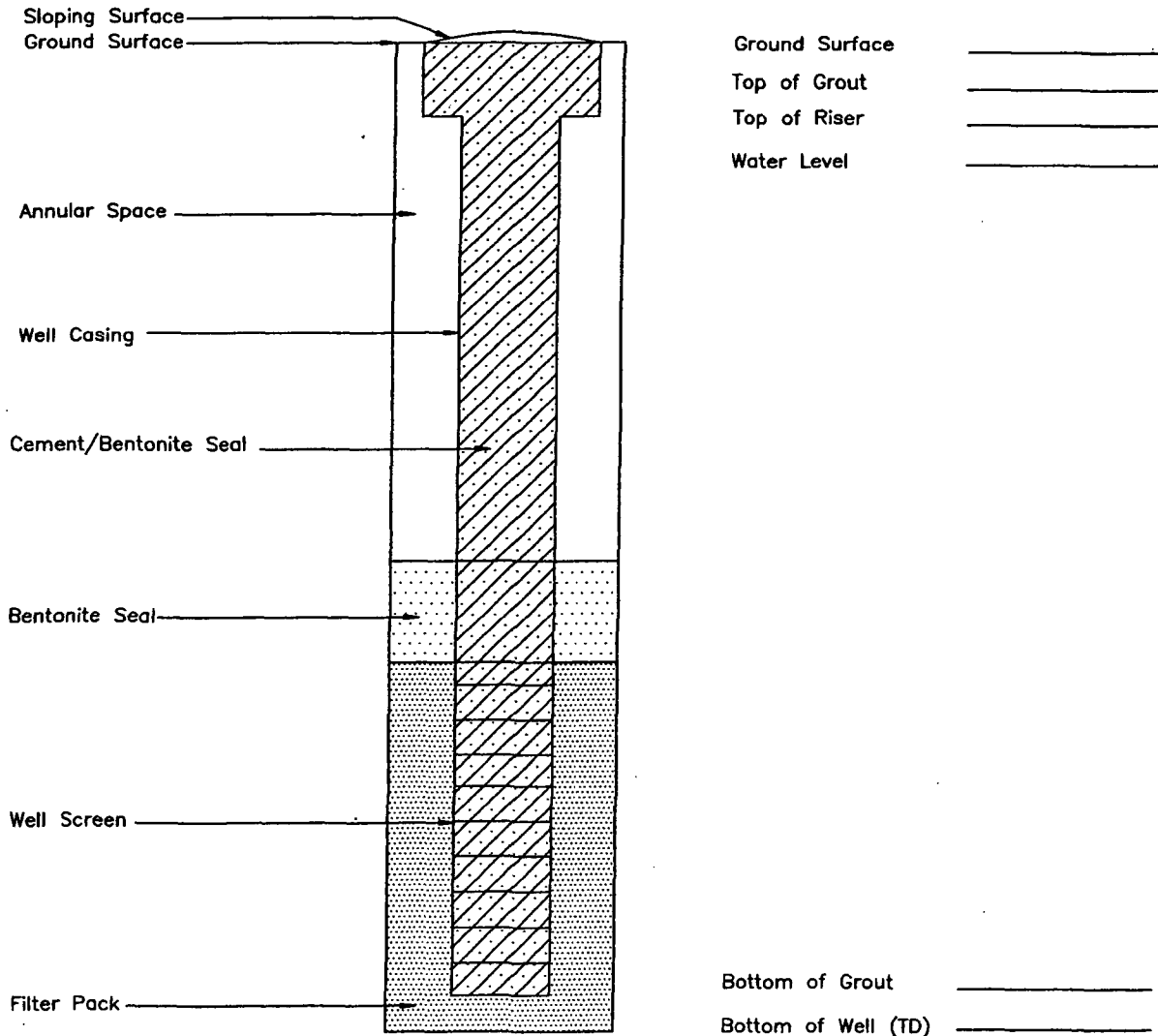
Well Location

Miles Federal #1A

Site Location

Largo Canyon

WELL DIAGRAM



Comments:

2 m.w.s put cement well pad and 2 well produce
OH.

Driller's Signature