3R - 237

REPORTS

DATE: 1998



Certified Mail: #Z 211 324 121

March 31, 1999

Mr. William C. Olson New Mexico Oil Conservation Division 2040 S. Pacheco Santa Fe, NM 87504 RECEIVED

APR 0 5 1999

ENVIRONMENTAL BUREAU OIL CONSERVATION DIVISION

RE: 1998 Pit Project Annual Groundwater Report

Dear Mr. Olson:

In accordance with reporting requirements, El Paso Field Services (EPFS) has enclosed annual updates for the 49 remaining groundwater impacted locations that were identified during our pit closure project of 1994 / 1995.

Of the 49 reports, EPFS hereby requests closure of 18 of these locations. The 18 sites EPFS is requesting closure on are presented in 4 separate binders entitled "Final Closure Report for Groundwater Sites with Four Consecutive Quarters Below Standards".

The Jaquez Com. C #1 and Jaquez Com. E #1 site is included in a separate report which is entitled "Jaquez Com. C #1 and Jaquez Com. E #1 Annual Report for Soil and Groundwater Remediation".

If you have any questions concerning the enclosed reports or closure requests, 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 # Z 211 324 122

Mr. Bill Liesse, BLM - w / enclosures; Certified Mail # Z 211 324 123

Ms. Charmaine Tso, Navajo EPA - w / enclosures; Certified Mail # Z 211 324 120

EPFS GROUNDWATER PITS 1998 ANNUAL GROUNDWATER REPORT

SHEETS #2 Meter/Line ID - 70286

RECEIVED

SITE DETAILS

APR 0 5 1999

Legals - Twn: 31N

Rng: 9W

Sec: 28

Unit: H Land Type: FEE

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Operator: AMOCO PRODUCTION COMPANY

PREVIOUS ACTIVITIES

NMOCD Hazard Ranking: 40

Site Assessment: Aug-94 Excavation: Sep-94 (120 cy)

Monitor Well: Aug-95 Additional MW: Dec-95

Soil Boring: Aug-95

Quarterly Sampling Initiated: Apr-96

1998 ACTIVITIES

Quarterly Groundwater Monitoring - Quarterly groundwater monitoring was discontinued in 1998. Groundwater analytical data from 1997 are presented in Table 1. Site maps with four quarters of analytical data from 1997 and groundwater gradients are included as Figure 1 through Figure 4. A site map is presented in Figure 1.

Submission Of Groundwater Closure Report In 1998 - This site was submitted for closure in March of 1998 and was rejected by the OCD. Groundwater sampling did not take place, as closure was pending.

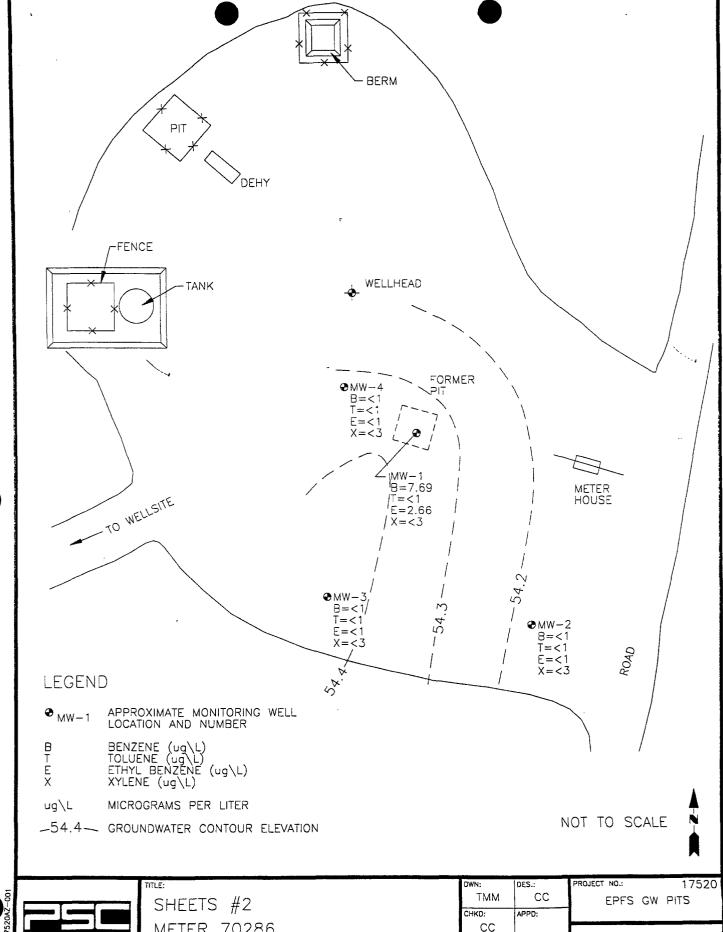
CONCLUSIONS

Pertinent data from the 1997 groundwater report include the following: Quarterly groundwater samples have been collected at MW-1, MW-2, MW-3 and MW-4 for six quarters. Groundwater samples collected from MW-1 have been below standards for BTEX four consecutive quarters. Groundwater samples collected from the other three monitoring wells have been below standards for BTEX since quarterly sampling was initiated.

Based on groundwater levels collected from all four monitor wells, the groundwater flow trends to the northeast and MW-4 is up-gradient, MW-3 is cross-gradient, and MW-2 is slightly downgradient of MW-1. Groundwater samples were collected on the down-gradient side of MW-1 from temporary monitoring wells. The groundwater sample collected from PZ-1 was in excess of New Mexico Groundwater Standards for benzene. An additional groundwater sample collected farther down-gradient from PZ-1 (PZ-2) was below standards for BTEX.

RECOMMENDATIONS

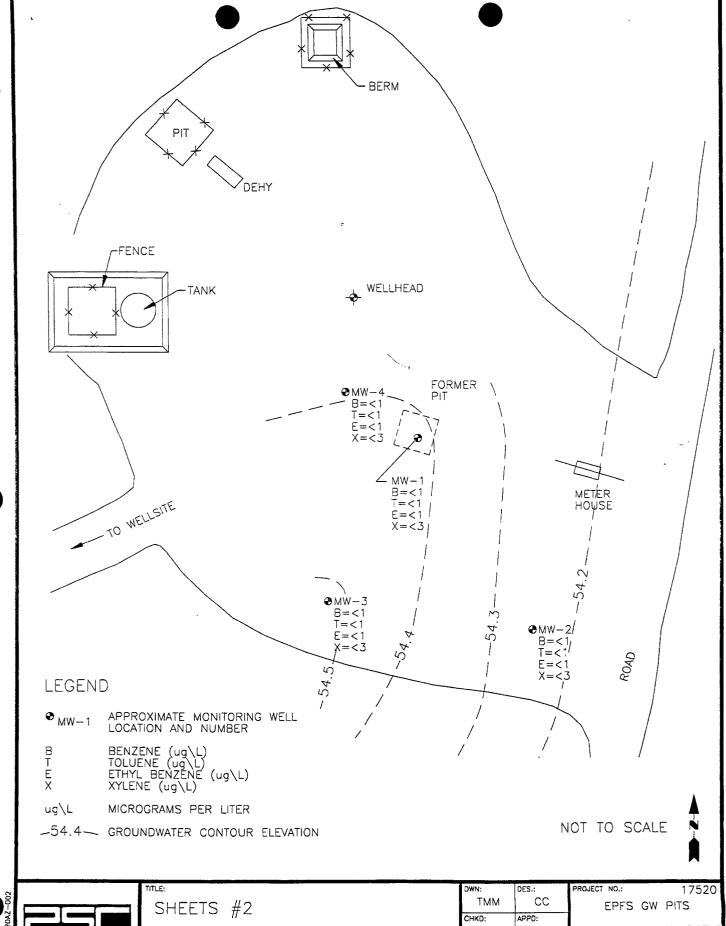
- The OCD requires that EPFS install additional groundwater monitoring wells to monitor and determine the extent of groundwater contamination.
- Confirm gradient with temporary well points and collect downgradient sample.
- Sample annually until the extent of contamination is defined.
- EPFS will contact operator and provide pertinent site data regarding EPFS activities at the site.





METER 70286 JANUARY 29, 1997

DWN:	DES.:	PROJECT NO .:	•
TMM	CC	EPFS GW F	PIT:
CHKD:	APPD:		
CC			
DATE:	REV.:	FIGURE	•
3/4/99	1		

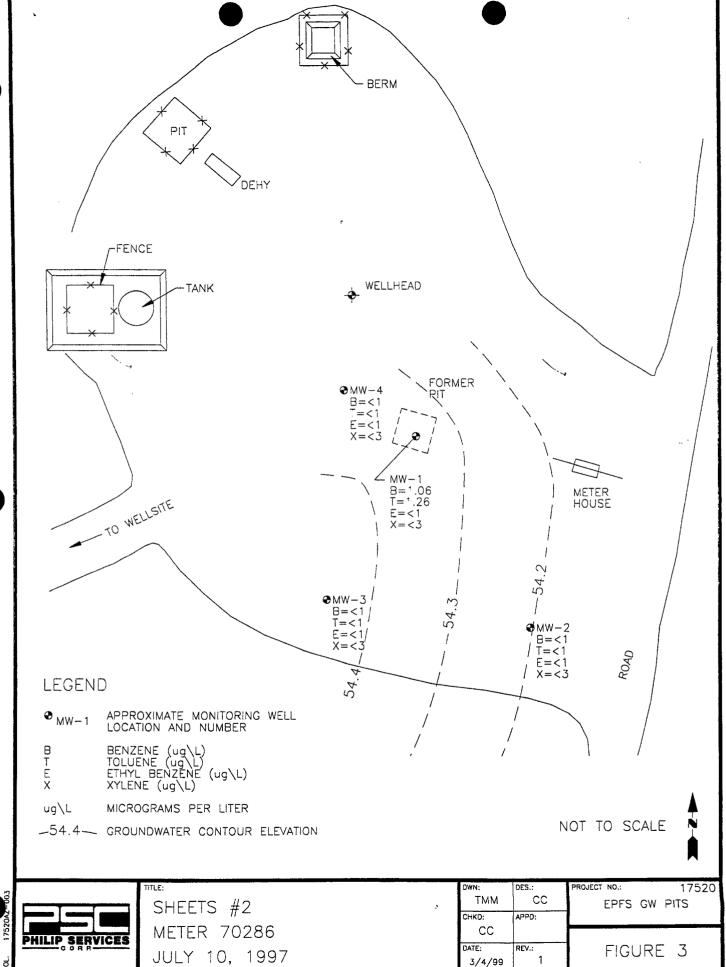


PHILIP SERVICES

SHEETS #2 METER 70286 APRIL 28, 1997

DWN:	DES.:	PROJECT NO.: 17520
TMM	cc	EPFS GW PITS
CHKD:	APPO:	
CC		
DATE:	REV.:	FIGURE 2
3/3/99	1	

-740C271 IC



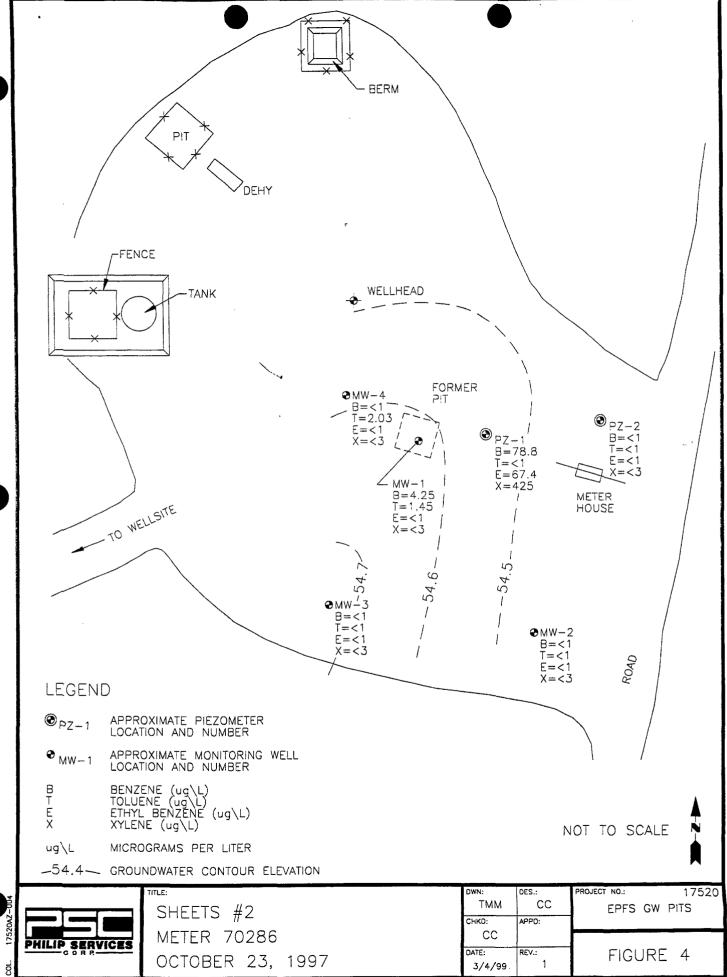


TABLE 1

EPFS Groundwater Pits 1998 Annual Groundwater Report

*	9	3						#12 720																		
Total BTEX	146	103	30	14	9	9	9		9	9	9	9	9	9	9	9	9	9	9	9	9	9		9	9	9
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Total Xylenes (PPB)	52.6	21.6	1.96	3	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3		3	3	3
D	11	=	11	V	V	V	<u>v</u>		V	V	<u>∨</u>	V	V	٧	<u> </u>	V	٧	\	V	٧	V_	<u> </u>		<u> </u>	<u> </u>	V
Ethyl Benzene (PPB)	22	11.3	9.65	2.66			-		_	_		-	-	-	_		-	1	_	_	_			,	1	1
5	ij	II.	11	11	V	V	V		V	<u>v</u>	V	V	<u> </u>	V	V	v	٧	٧	V	V -	V	V		V	V	V
Toluene (PPB)	5	-	I	-	-	1.26	1.45		_	-	-	-	1		_	-	-	1	1	_	_	_		-	-	-
	٧	٧	V	٧	V	11			V	V	V	V	V	V	V	V	٧	V	٧	٧	٧	٧		<u> </u>	V	V
Benzene (PPB)	62.9	9.89	17.5	69.7	_	1.06	4.25		-	_	-	-	1	-	-	-	-	1	1		-	-		_	1	-
Bg.	l i	II.	IJ		V		11		V	V	V	V	V	v	V	V	V	V	V	V	V	V		V	v .	V
Project	1 - 1st C	1 - 2nd Qtr	1 - 3rd Qtr	1 - 4th Qtr	1 - 5th Qtr	1 - 6th Qtr	1 - 7th Qtr		4 - 1st Qtr	1 - 2nd Qtr	1 - 3rd Qtr	1 - 4th Qtr	1 - 5th Qtr	4 - 6th Qtr	4 - 7th Qtr	I - 1st Qtr	1 - 2nd Qtr	1 - 3rd Qtr	1 - 4th Qtr	1 - 5th Qtr	1 - 6th Qtr	1 - 7th Qtr		1 - 1st Qtr	I - 2nd Qtr	l - 3rd Qtr
	Sample 4 - 1st Qtr	Sample 4	Sample 4		Sample 4	Sample 4 -	Sample 4		Sample 4	Sample 4	Sample 4															
# MW	1	1	1	1	_	-	-		2	2	2	2	2	2	2	c.	3	3	3	3	3	3		4	4	4
Sample Date	04/16/96	07/22/96	10/11/96	01/29/97	04/28/97	07/10/97	10/23/97		04/11/96	07/22/96	10/11/96	1/29/97	04/28/97	07/10/97	10/23/97	04/17/96	07/22/96	10/11/96	01/29/97	04/28/97	07/10/97	10/23/97		04/11/96	02/22/10	10/11/96
	5	12	7	7	22	22	25		12	7	27	7	7	7;	27	22	2	.2	5	5	2	5.		2	2	2
Site Name	Well #	Well #	Well #	Well #	Well #	Well #	Well #2		Well #	Well#	Well#	Well#	Well#	Well#	Well#		Well#	Well#	Well #							
Site	Sheets Well #2	Sheets Well #2	Sheets Well #2	Sheets Well #2	Sheets Well #2	Sheets Well #2	Sheets Well		Sheets Well #2		Sheets Well #2	Sheets Well #2	Sheets Well #2													
Meter Line#	70286	70286	70286	70286	70286	70286	70286		70286	70286	70286	70286	70286	70286	70286	70286	70286	70286	70286	70286	70286	70286		70286	70286	70286
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Sample#	960350	960638	960865	970029	970350	970632	971146		960351	960639	998096	970030	970351	970633	971147	960352	960641	298096	970031	970352	970634	971148		960353	960642	898096

TABLE 1

EPFS Groundwater Pits 1998 Annual Groundwater Report

Total BTEX 9 9 9 9 Total Xylenes (PPB) Ethyl Benzene (PPB) 2.03B < Toluene (PPB) Benzene (PPB) Sample 4 - 5th Qtr Sample 4 - 6th Qtr Sample 4 - 7th Qtr Sample 4 - 4th Qtr Sample Date MW# 4 4 01/29/97 04/28/97 07/10/97 10/23/97 Sheets Well #2 Sheets Well #2 Sheets Well #2 Sheets Well #2 Site Name Meter/ Line # 70286 70286 70286 Sample # 970353 971149 970032 970635