# **EPFS GROUNDWATER SITES** 2002 ANNUAL GROUNDWATER REPORT

Ramenta et al #1 Meter Code: 75155

SITE DETAILS

**LEGAL DESCRIPTION:** 

Twn: 27N

Rng:

Sec: 13. Unit: J

NMOCD Haz Ranking:

Land Type:

Navajo

**Operator:** Burlington Resources

PREVIOUS ACTIVITIES

Site Assessment:

Jun-96

**Excavation:** 

Nov-96 (436 cy)

Soil Boring: May-97

Monitor Well: May-97

Geoprobe: Feb-97 **Additional MWs:** 

Jun-99

Downgradient MWs:

Jun-99

Replace MW: NA **Ouarterly Initiated:** 

Jun-97

**ORC Nutrient Injection:** 

NA **Re-Excavation:**  NA

**PSH Removal Initiated:** 

**Annual Initiated:** 

Quarterly Resumed: NA

# **SUMMARY OF 2002 ACTIVITIES**

MW-1: Quarterly groundwater sampling and water level monitoring was performed.

MW-2: Annual groundwater sampling (June 02) and quarterly water level monitoring was performed.

MW-3: Annual groundwater sampling (June 02) and quarterly water level monitoring was performed.

Site-Wide Activities: In March 2002 El Paso Field Services requested that both Navajo Nation EPA and New Mexico OCD close this site. Notice of decision is pending.

## SUMMARY TABLES AND GRAPHS

- Analytical data are summarized in Table 1 and presented graphically in Figures 5 through 7.
- Laboratory reports are presented in Attachment 1.
- Field documentation is presented in Attachment 2.

### SITE MAP

Site maps are attached as Figures 1 through 4.

# GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

No subsurface activities were performed at this site during 2002

# EPFS GROUNDWATER SITES 2002 ANNUAL GROUNDWATER REPORT

Ramenta et al #1 Meter Code: 75155

### **DISPOSITION OF GENERATED WASTES**

No wastes were generated at this site during 2002.

### ISOCONCENTRATION MAPS

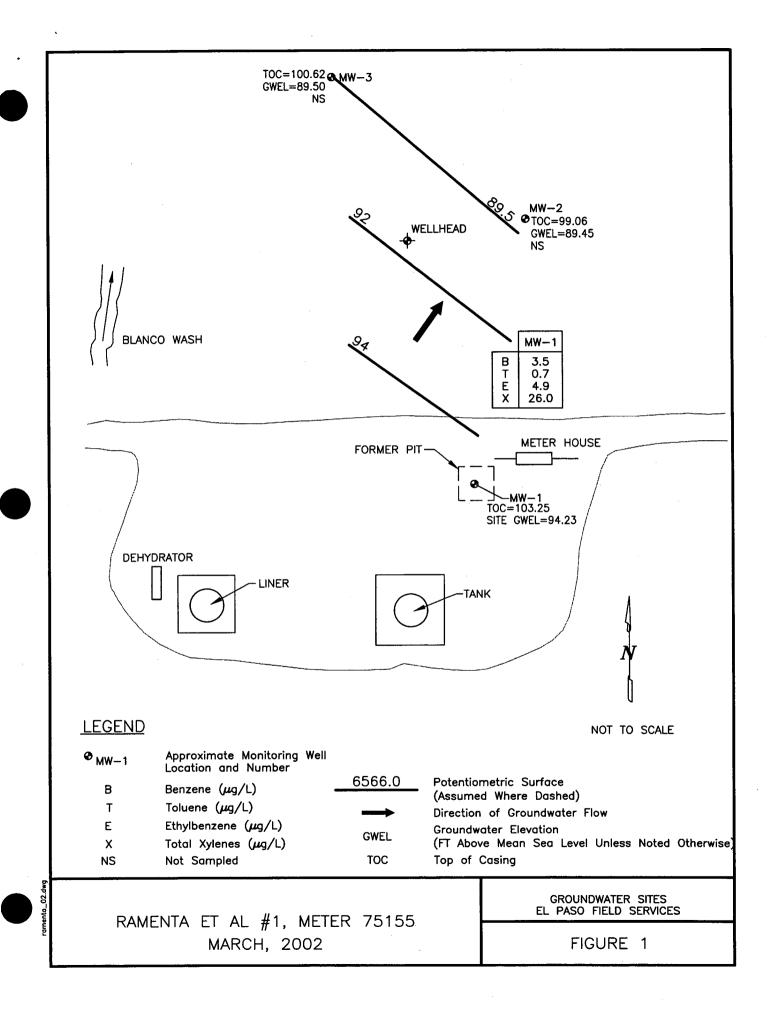
No isoconcentration maps were generated for this site. However, the attached site maps present both potentiometric surface and analytical data collected during 2002.

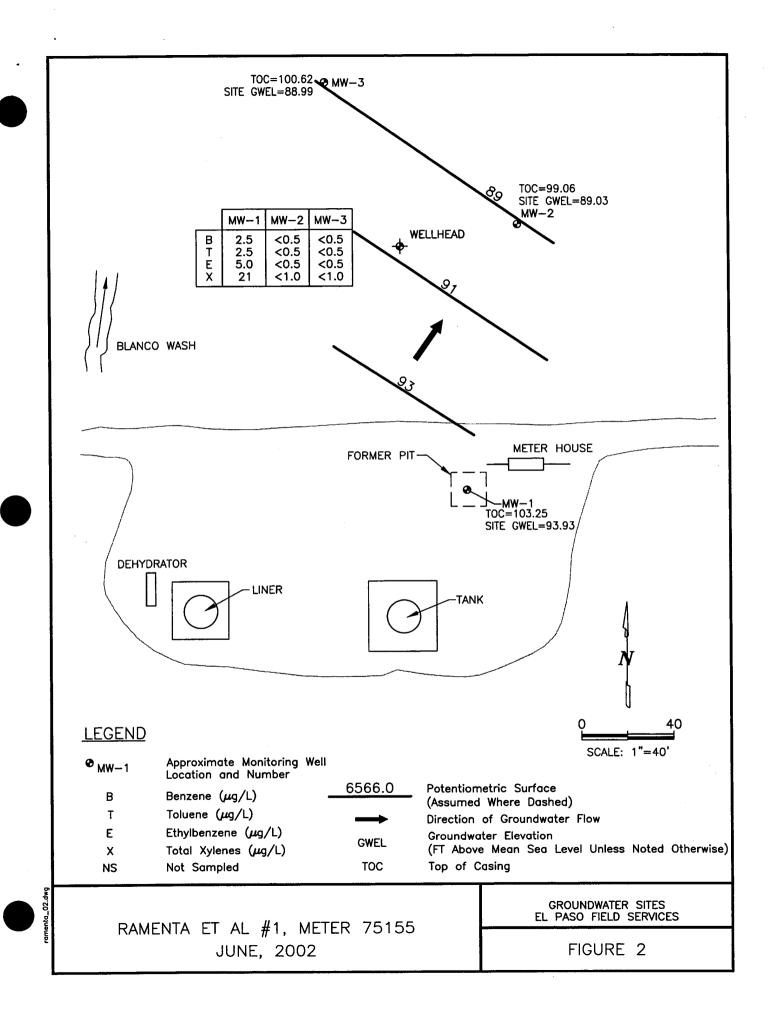
### **CONCLUSIONS**

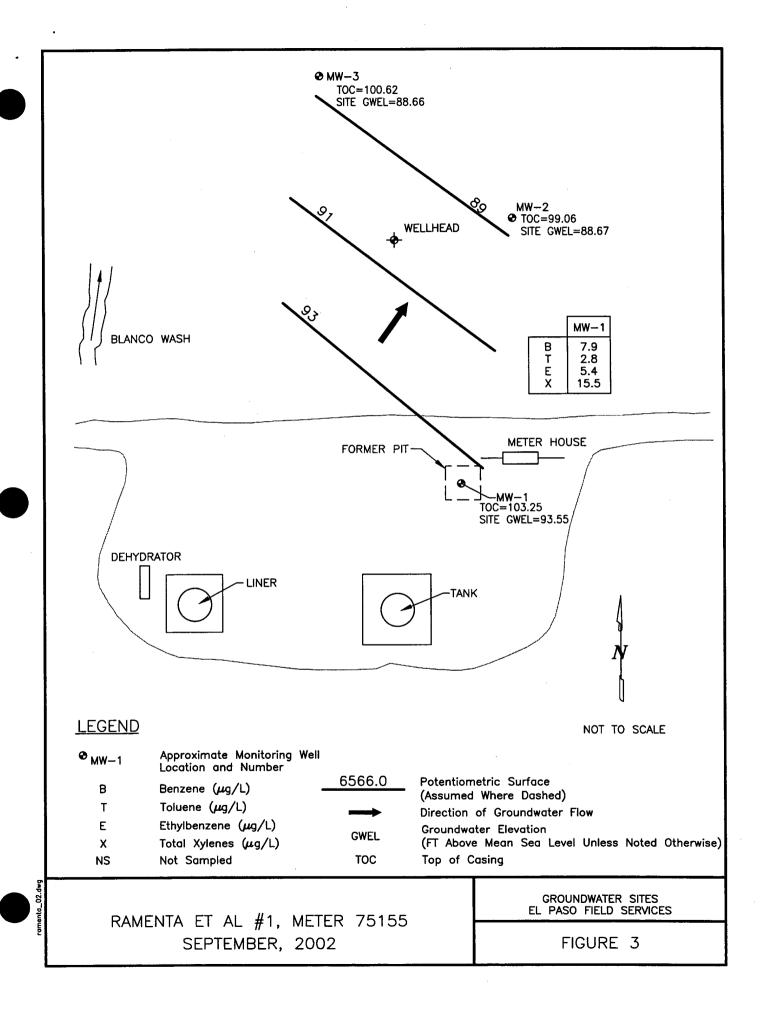
- The groundwater flow direction at this site trends toward the northeast.
- Analytical results from groundwater samples collected from this site during 2002 have continued to be below New Mexico OCD closure criteria.
- Analytical results from samples collected at MW-1 were below NNEPA closure criteria for three out of four quarters in 2002.
- Analytical results from samples collected at MW-2 and MW-3 were below NNEPA closure criteria.
- NMOCD closure criteria have been achieved, and closure of this site has been requested (see 2001 Annual Report).
- This site requires two additional consecutive quarterly groundwater sample results below closure standards at MW-1 to qualify for closure under the Navajo Nation EPA guidelines.

### **RECOMMENDATIONS**

- EPFS will continue quarterly sampling at MW-1 until the Navajo Nation EPA closure criteria are met.
- EPFS reiterates the NMOCD closure request for this site presented in the 2001 Annual Report.
- Following approval for closure by both the Navajo Nation EPA and New Mexico OCD, all monitoring wells will be removed in accordance with the approved EPFS Monitoring Well Abandonment Plan.







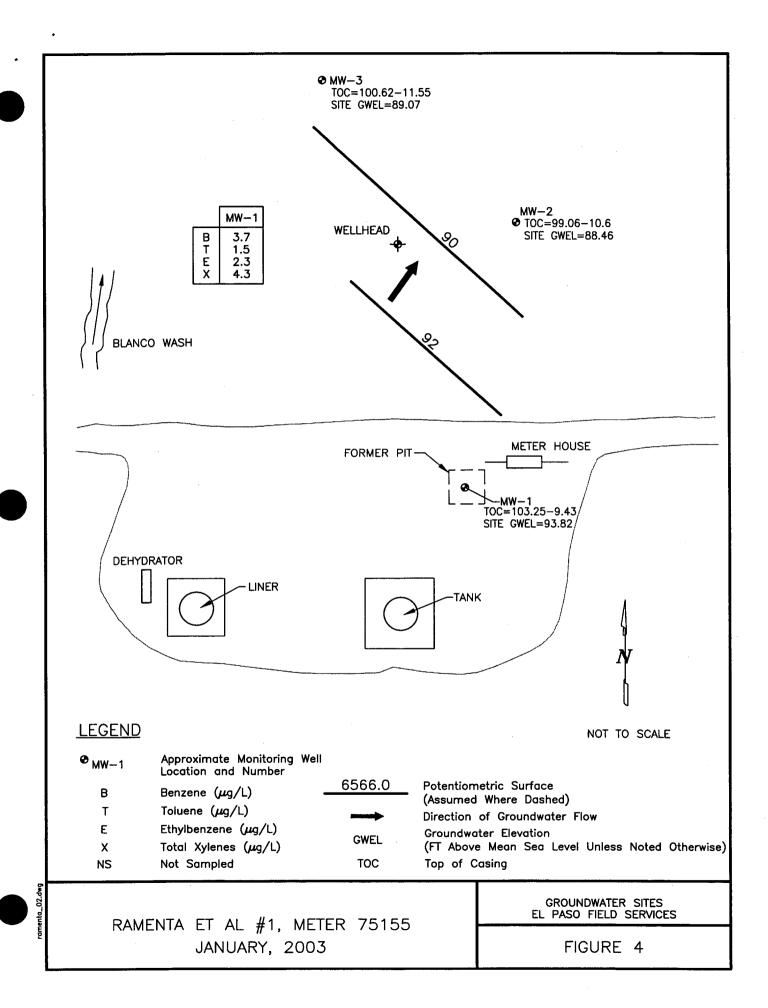


TABLE 1

# SUMMARY OF BTEX COMPOUNDS IN GROUNDWATER RAMENTA ET AL #1 (METER #75155)

(Page 1 of 1)

Sample Identification	Sample Date	MW Identification	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (μg/l)	m,p-Xylene (µg/l)	o-Xylene (μg/l)	Total Xylenes (μg/l)
REM-0203-MW1	18-Mar-2002	1	3.50	0.70	4.90	NA	NA	26
REM-0206-MW1	05-Jun-2002	1	<2.50	<2.50	5.00	NA	NA	21
02-4944-2	17-Sep-2002	1	7.90	2.80	5.40	13	2.50	15.50
03-1026-1	03-Jan-2003	1	3.7	1.5	2.3	3.3	<del></del>	4.3
REM-0206-MW2	13-Jun-2002	2	<0.50	<0.50	<0.50	NA	NA	<1.00
REM-0206-MW3	13-Jun-2002	8	<0.50	<0.50	<0.50	NA	ΝΑ	<1.00