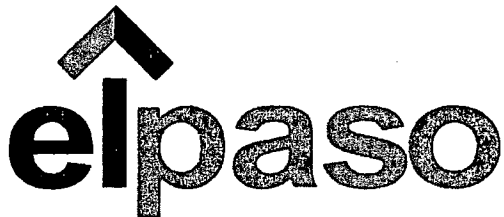


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San Juan Basin Pit Program
Groundwater Sites Project

Final 2006 Annual Report
Federal Sites (Volume 1)

March 2007



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2006 ANNUAL GROUNDWATER REPORT
FEDERAL SITES VOLUME I

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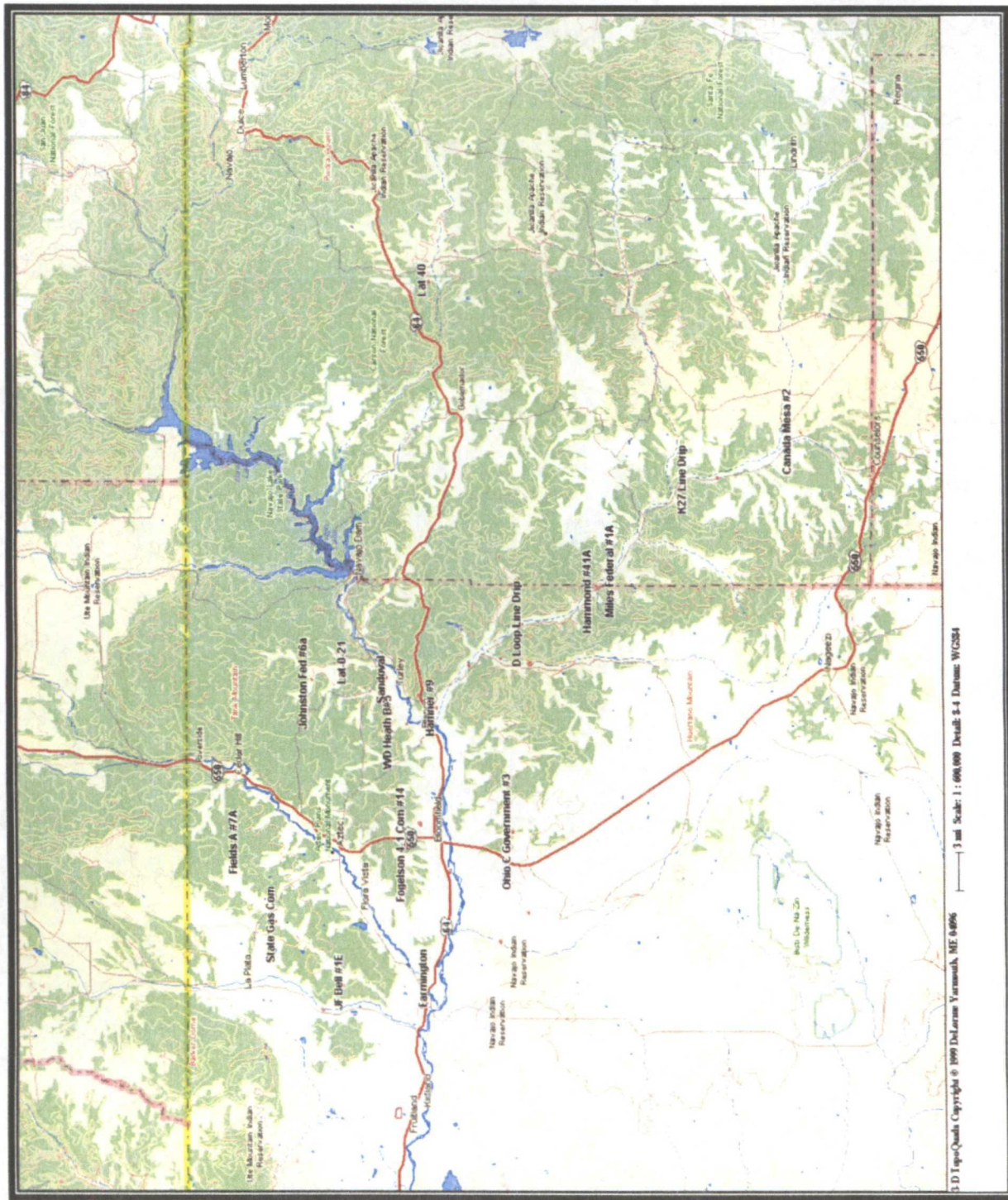
TABLE OF CONTENTS

METER or LINE ID	SITE NAME	TOWNSHIP	RANGE	SECTION	UNIT
89961	Fields A#7A	32N	11W	34	E
89232	Johnston Fed #6A	31N	09W	35	F
94715	James F. Bell #1E	30N	13W	10	P
89620	Sandoval GC A #1A	30N	09W	35	C
LD151	Lat 0-21 Line Drip	30N	09W	12	O
73220	Fogelson 4-1 Com. #14	29N	11W	4	P
97213	Hamner #9	29N	09W	20	A
LD174	LAT L 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
70194	Johnston Fed #4	31N	09W	33	H



MWH

Federal Groundwater Site Map



3-D TopoQuads Copyright © 1999 Delorme Vermont, ME 04066 1" = 3 mi Scale: 1 : 600,000 Detail: 1:4 Datum: WGS84

LIST OF ACRONYMS

B	benzene
btoc	below top of casing
E	ethylbenzene
EPTPC	El Paso Tennessee Pipeline Company
ft	foot/feet
GWEL	groundwater elevation
ID	identification
MW	monitoring well
PSH	phase-separated hydrocarbons
NMWQCC	New Mexico Water Quality Control Commission
T	toluene
TOC	top of casing
NA	not applicable
NE	not established
NM	not measured
NMOCD	New Mexico Oil Conservation Division
NS	not sampled
ORC	oxygen-releasing compound
ppb	parts per billion
µg/L	micrograms per liter
X	total xylenes

**EPTPC GROUNDWATER SITES
2006 ANNUAL GROUNDWATER REPORT**

**James F. Bell #1E
Meter Code: 94715**

SITE DETAILS

Legal Description:	Town: 30N	Range: 13W	Sec: 10	Unit: P
NMOCD Haz Ranking: 40	Land Type:	Federal	Operator:	BP \ Amoco Production Company

PREVIOUS ACTIVITIES

Site Assessment:	3/94	Excavation:	4/94	Soil Boring:	10/95
Monitor Well:	10/95	Geoprobe:	NA	Additional MWs:	6/99
Downgradient MWs:	11/95	Replace MW:	NA	Quarterly Initiated:	NA
ORC Nutrient Injection:	NA	Re-Excavation:	NA	PSH Removal Initiated:	7/97
Annual Initiated:	10/00	Quarterly Resumed:	NA		

* Additional downgradient monitoring wells were attempted in 1995 and in 1999; however, these borings were dry and wells were not installed.

SUMMARY OF 2006 ACTIVITIES

MW-1: Monthly gauging were performed during 2006. No free-product was observed during 2006.

MW-2: Annual groundwater sampling was performed in June 2006. Quarterly static water level monitoring was performed during 2006.

MW-3: Annual groundwater sampling was performed in June 2006. Quarterly static water level monitoring was performed during 2006.

MW-4: Quarterly static water level monitoring was performed during 2006.

Site-Wide Activities: No other site-wide activities occurred during 2006.

SITE MAP

A site map (June) is attached in Figure 1.

**EPTPC GROUNDWATER SITES
2006 ANNUAL GROUNDWATER REPORT**

**James F. Bell #1E
Meter Code: 94715**

SUMMARY TABLES AND GRAPHS

- Analytical data for 2006 are included in Table 1, and historic data are also presented graphically in Figures 2 through 5.
- Free-product recovery data for 2006 are included in Table 2, and historic data are also presented graphically in Figures 6 and 7.
- The laboratory report is presented in Attachment 1 (included on CD).
- Field documentation is presented in Attachment 2 (included on CD).

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

No subsurface activities were performed at this site during 2006.

DISPOSITION OF GENERATED WASTES

All purge water was taken to the El Paso Natural Gas Rio Vista Compressor Station. Recovered free-product is stored in a 55 gallon drum and periodically picked up by Mesa Oil for recycling.

ISOCONCENTRATION MAPS

No isoconcentration maps were prepared for this site; however, the attached site map presents both the potentiometric surface and analytical data collected during 2006.

CONCLUSIONS

- Based on water level data collected between 1997 and 2006, the hydraulic gradient is relatively flat across the site. In 1995, borings were attempted to the east and north of the pit that did not encounter water. Therefore, it was concluded that the extent of contaminated groundwater has been physically defined by the dry holes, providing evidence that groundwater contamination is limited to a perched, somewhat discontinuous zone.
- There was no free-product observed in MW-1 in 2006. Free-product recovery efforts at MW-1 resulted in removal of approximately 5.46 gallons of free-phase hydrocarbons during 2005, bringing the cumulative total volume recovered to approximately 785 gallons. Free-product removal in 2004 totaled 13 gallons, compared to 5.46 gallons in 2005.
- Free-product has not been detected in MW-3 since January 2004.
- BTEX concentrations in MW-3 in 2006 were above NMWQCC standards for benzene (795 µg/L), ethylbenzene (818 µg/L), and total xylenes (10,900 µg/L);

**EPTPC GROUNDWATER SITES
2006 ANNUAL GROUNDWATER REPORT**

**James F. Bell #1E
Meter Code: 94715**

toluene was not detected above the laboratory method detection limit. However, all BTEX concentrations have decreased since sampling was initiated in 1995 (benzene 1,790 µg/L, toluene 10,400 µg/L, ethylbenzene 1,010 µg/L, and total xylenes 8,070 µg/L).

- BTEX concentrations in MW-2 were below detection limits in 2006. BTEX concentrations in MW-2 have been steadily decreasing since 2000.

RECOMMENDATIONS

- Because free-product has not been observed in MW-1 since September 2005, EPTPC will begin annual sampling of this well in conjunction with MW-2 and MW-3 in June 2007 if free-product remains absent.
- EPTPC will continue annual groundwater sample collection and quarterly water level monitoring at MW-2 and MW-3.
- Because historic data collected at MW-4 indicate concentrations of BTEX constituents below analytical detection limits, EPTPC will not sample this well until the site closure samples are collected. Water level monitoring will continue on a quarterly basis.

TABLE 1

**SUMMARY OF BTEX COMPOUNDS IN GROUNDWATER SAMPLES
JAMES F BELL #1E (METER #94715)**

Site Name	Sample Date	Monitoring Well	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Depth to Water (feet)
James F. Bell #1E	10/17/1995	MW-1	11200	26400	1540	16500	26.67
James F. Bell #1E	12/11/1995	MW-1	10800	15400	1870	18400	26.23
James F. Bell #1E	12/4/1996	MW-1	10300	33200	1400	15200	28.00
James F. Bell #1E	3/5/1997	MW-1	9850	33400	1370	15200	28.47
James F. Bell #1E	12/11/1995	MW-2	94.7	1.4	11.3	31.1	25.32
James F. Bell #1E	12/4/1996	MW-2	2.52	1	1	1	26.09
James F. Bell #1E	3/5/1997	MW-2	1.49	1	1	1	26.30
James F. Bell #1E	10/11/2000	MW-2	200	1	81	28	26.41
James F. Bell #1E	6/25/2001	MW-2	160	1	77	22	26.79
James F. Bell #1E	6/5/2002	MW-2	53	1	50	9.7	27.06
James F. Bell #1E	6/19/2003	MW-2	6.5	1	17.8	1.7	27.04
James F. Bell #1E	6/9/2004	MW-2	1	1	1	3	26.34
James F. Bell #1E	6/23/2005	MW-2	1	1	1	2	25.81
James F. Bell #1E	6/14/2006	MW-2	1	1	1	2	25.66
James F. Bell #1E	12/11/1995	MW-3	1790	10400	1010	8070	26.52
James F. Bell #1E	12/4/1996	MW-3	4210	19200	1140	11700	27.72
James F. Bell #1E	3/5/1997	MW-3	4000	19200	1280	13600	28.87
James F. Bell #1E	6/9/2004	MW-3	1590	4520	966	1830	28.21
James F. Bell #1E	6/23/2005	MW-3	2260	1090	1920	24800	27.19
James F. Bell #1E	6/14/2006	MW-3	795	1	818	10900	27.19
James F. Bell #1E	12/11/1995	MW-4	1	1	1	1	25.55
James F. Bell #1E	12/4/1996	MW-4	1	1	1	1	26.27
James F. Bell #1E	3/5/1997	MW-4	1	1	1	1	26.44
James F. Bell #1E	10/11/2000	MW-4	1	1	1	1	26.56
James F. Bell #1E	6/25/2001	MW-4	1	1	1	1	26.93
James F. Bell #1E	6/5/2002	MW-4	1	1	1	1	27.16

1 = Not Detected

TABLE 2

**SUMMARY OF FREE-PRODUCT REMOVAL
JAMES F BELL #1E (METER #94715)**

Site Name	Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Volume of Product Removed (gallons)
James F. Bell #1E	MW-1	1/16/01	NA	0.00	0.00	11.86	443.26
James F. Bell #1E	MW-1	1/24/01	NA	0.00	0.00	7.27	450.53
James F. Bell #1E	MW-1	1/31/01	NA	0.00	0.00	5.93	456.46
James F. Bell #1E	MW-1	2/5/01	NA	0.00	0.00	0.00	456.46
James F. Bell #1E	MW-1	2/8/01	NA	0.00	0.00	3.25	459.71
James F. Bell #1E	MW-1	2/16/01	NA	0.00	0.00	5.48	465.19
James F. Bell #1E	MW-1	2/26/01	27.61	29.06	1.45	1.00	466.19
James F. Bell #1E	MW-1	3/14/01	27.49	29.60	2.11	0.00	466.19
James F. Bell #1E	MW-1	4/6/01	27.67	29.08	1.41	5.93	472.12
James F. Bell #1E	MW-1	6/5/01	NA	0.00	0.00	20.85	492.97
James F. Bell #1E	MW-1	6/14/01	NA	0.00	0.00	15.50	508.47
James F. Bell #1E	MW-1	6/22/01	28.1	29.57	0.00	7.00	515.47
James F. Bell #1E	MW-1	6/28/01	NA	0.00	0.00	5.00	520.47
James F. Bell #1E	MW-1	7/6/01	NA	0.00	0.00	5.00	525.47
James F. Bell #1E	MW-1	7/11/01	27.95	28.95	1.00	0.00	525.47
James F. Bell #1E	MW-1	7/20/01	NA	0.00	0.00	9.00	534.47
James F. Bell #1E	MW-1	7/26/01	28.21	29.51	0.00	5.00	539.47
James F. Bell #1E	MW-1	8/2/01	NA	0.00	0.00	5.40	544.87
James F. Bell #1E	MW-1	8/8/01	NA	0.00	0.00	3.25	548.12
James F. Bell #1E	MW-1	8/16/01	28.4	28.49	0.09	7.00	555.12
James F. Bell #1E	MW-1	8/20/01	NA	0.00	0.00	3.40	558.52
James F. Bell #1E	MW-1	8/31/01	NA	0.00	0.00	6.30	564.82
James F. Bell #1E	MW-1	9/6/01	28.41	28.46	0.05	3.80	568.62
James F. Bell #1E	MW-1	9/17/01	28.19	28.46	0.27	5.36	573.98
James F. Bell #1E	MW-1	9/26/01	NA	0.00	0.00	5.17	579.15
James F. Bell #1E	MW-1	10/3/01	NA	0.00	0.00	2.70	581.85
James F. Bell #1E	MW-1	10/11/01	NA	0.00	0.00	2.70	584.55
James F. Bell #1E	MW-1	12/4/01	NA	0.00	0.00	19.13	603.68
James F. Bell #1E	MW-1	12/13/01	28.2	28.50	0.30	2.70	606.38
James F. Bell #1E	MW-1	12/21/01	NA	0.00	0.00	1.34	607.72
James F. Bell #1E	MW-1	12/28/01	NA	0.00	0.00	3.00	610.72
James F. Bell #1E	MW-1	1/4/02	NA	0.00	0.00	2.49	613.21

TABLE 2

**SUMMARY OF FREE-PRODUCT REMOVAL
JAMES F BELL #1E (METER #94715)**

Site Name	Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Volume of Product Removed (gallons)
James F. Bell #1E	MW-1	1/8/02	28.25	28.54	0.29	1.00	614.21
James F. Bell #1E	MW-1	1/17/02	NA	0.00	0.00	2.50	616.71
James F. Bell #1E	MW-1	1/23/02	NA	0.00	0.00	2.50	619.21
James F. Bell #1E	MW-1	1/31/02	NA	0.00	0.00	3.00	622.21
James F. Bell #1E	MW-1	2/7/02	NA	0.00	0.00	2.50	624.71
James F. Bell #1E	MW-1	2/14/02	NA	0.00	0.00	2.50	627.21
James F. Bell #1E	MW-1	2/20/02	NA	0.00	0.00	2.50	629.71
James F. Bell #1E	MW-1	2/28/02	28.31	28.62	0.31	3.50	633.21
James F. Bell #1E	MW-1	3/6/02	NA	0.00	0.00	3.00	636.21
James F. Bell #1E	MW-1	3/11/02	NA	0.00	0.00	2.00	638.21
James F. Bell #1E	MW-1	3/21/02	NA	0.00	0.19	5.00	643.21
James F. Bell #1E	MW-1	3/28/02	28.51	28.64	0.13	3.00	646.21
James F. Bell #1E	MW-1	4/4/02	NA	0.00	0.00	2.50	648.71
James F. Bell #1E	MW-1	4/12/02	NA	0.00	0.00	3.44	652.15
James F. Bell #1E	MW-1	4/19/02	NA	0.00	0.00	4.00	656.15
James F. Bell #1E	MW-1	4/25/02	NA	0.00	0.00	4.37	660.52
James F. Bell #1E	MW-1	5/3/02	NA	0.00	0.00	4.23	664.75
James F. Bell #1E	MW-1	5/15/02	28.48	28.87	0.39	3.95	668.70
James F. Bell #1E	MW-1	5/31/02	NA	0.00	0.00	5.00	673.70
James F. Bell #1E	MW-1	6/7/02	NA	0.00	0.00	2.50	676.20
James F. Bell #1E	MW-1	6/14/02	NA	0.00	0.00	2.00	678.20
James F. Bell #1E	MW-1	6/21/02	NA	0.00	0.00	2.10	680.30
James F. Bell #1E	MW-1	6/27/02	NA	0.00	0.00	0.00	680.30
James F. Bell #1E	MW-1	7/2/02	NA	0.00	0.00	0.00	680.30
James F. Bell #1E	MW-1	7/11/02	NA	0.00	0.00	0.00	680.30
James F. Bell #1E	MW-1	8/28/02	NA	0.00	0.00	0.00	680.30
James F. Bell #1E	MW-1	9/6/02	NA	0.00	0.00	0.00	680.30
James F. Bell #1E	MW-1	9/10/02	NA	0.00	0.00	0.33	680.63
James F. Bell #1E	MW-1	9/13/02	29.2	31.17	1.97	0.00	680.63
James F. Bell #1E	MW-1	9/19/02	28.45	30.82	2.37	3.00	683.63
James F. Bell #1E	MW-1	10/4/02	NA	0.00	0.00	0.33	683.96
James F. Bell #1E	MW-1	10/10/02	NA	0.00	0.00	0.33	684.29

TABLE 2

**SUMMARY OF FREE-PRODUCT REMOVAL
JAMES F BELL #1E (METER #94715)**

Site Name	Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Volume of Product Removed (gallons)
James F. Bell #1E	MW-1	10/15/02	NA	0.00	0.00	0.25	684.54
James F. Bell #1E	MW-1	10/23/02	NA	0.00	0.00	0.25	684.79
James F. Bell #1E	MW-1	10/30/02	NA	0.00	0.00	0.25	685.04
James F. Bell #1E	MW-1	12/4/02	28.37	29.07	0.70	0.50	685.54
James F. Bell #1E	MW-1	1/7/03	NA	0.00	0.00	0.00	685.54
James F. Bell #1E	MW-1	1/22/03	NA	0.00	0.00	28.50	714.04
James F. Bell #1E	MW-1	1/29/03	NA	0.00	0.58	0.75	714.79
James F. Bell #1E	MW-1	2/5/03	NA	0.00	0.00	2.00	716.79
James F. Bell #1E	MW-1	2/12/03	NA	0.00	0.00	1.38	718.17
James F. Bell #1E	MW-1	2/20/03	NA	0.00	0.00	0.17	718.34
James F. Bell #1E	MW-1	2/28/03	NA	0.00	0.00	0.00	718.34
James F. Bell #1E	MW-1	3/6/03	NA	0.00	0.00	1.38	719.71
James F. Bell #1E	MW-1	3/12/03	NA	0.00	0.00	0.98	720.69
James F. Bell #1E	MW-1	3/19/03	NA	0.00	0.00	1.38	722.07
James F. Bell #1E	MW-1	3/26/03	NA	0.00	0.00	0.60	722.67
James F. Bell #1E	MW-1	4/2/03	NA	0.00	0.00	1.96	724.63
James F. Bell #1E	MW-1	4/10/03	NA	0.00	0.00	1.57	726.20
James F. Bell #1E	MW-1	4/18/03	28.44	29.29	0.85	0.00	726.20
James F. Bell #1E	MW-1	4/28/03	NA	0.00	0.00	1.18	727.38
James F. Bell #1E	MW-1	5/7/03	NA	0.00	0.00	1.18	728.56
James F. Bell #1E	MW-1	5/13/03	NA	0.00	0.00	1.00	729.56
James F. Bell #1E	MW-1	5/21/03	NA	0.00	0.00	0.69	730.25
James F. Bell #1E	MW-1	5/27/03	NA	0.00	0.00	1.47	731.72
James F. Bell #1E	MW-1	6/3/03	NA	0.00	0.00	0.98	732.70
James F. Bell #1E	MW-1	6/9/03	NA	0.00	0.00	1.18	733.87
James F. Bell #1E	MW-1	6/16/03	NA	0.00	0.00	0.00	733.87
James F. Bell #1E	MW-1	6/19/03	29.19	29.41	0.20	0.00	733.87
James F. Bell #1E	MW-1	6/23/03	NA	0.00	0.00	1.77	735.64
James F. Bell #1E	MW-1	7/1/03	NA	0.00	0.00	0.00	735.64
James F. Bell #1E	MW-1	7/10/03	NA	0.00	0.00	2.00	737.64
James F. Bell #1E	MW-1	7/15/03	NA	0.00	0.00	0.79	738.43
James F. Bell #1E	MW-1	7/21/03	NA	0.00	0.00	0.88	739.31
James F. Bell #1E	MW-1	7/29/03	NA	0.00	0.00	0.19	739.50
James F. Bell #1E	MW-1	8/4/03	NA	0.00	0.00	0.00	739.50
James F. Bell #1E	MW-1	8/11/03	NA	0.00	0.00	3.96	743.46
James F. Bell #1E	MW-1	8/18/03	NA	0.00	0.00	2.85	746.31

TABLE 2

**SUMMARY OF FREE-PRODUCT REMOVAL
JAMES F BELL #1E (METER #94715)**

Site Name	Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Volume of Product Removed (gallons)
James F. Bell #1E	MW-1	8/25/03	NA	0.00	0.00	1.57	747.88
James F. Bell #1E	MW-1	9/2/03	NA	0.00	0.00	2.78	750.66
James F. Bell #1E	MW-1	9/8/03	NA	0.00	0.00	1.37	752.03
James F. Bell #1E	MW-1	9/15/03	NA	0.00	0.00	2.16	754.19
James F. Bell #1E	MW-1	9/22/03	28.31	28.64	0.33	0.25	754.44
James F. Bell #1E	MW-1	9/29/03	NA	0.00	0.00	1.77	756.21
James F. Bell #1E	MW-1	10/6/03	NA	0.00	0.90	1.57	757.78
James F. Bell #1E	MW-1	10/13/03	NA	0.00	0.00	0.78	758.56
James F. Bell #1E	MW-1	10/20/03	NA	0.00	0.00	2.55	761.11
James F. Bell #1E	MW-1	10/27/03	NA	0.00	0.00	0.55	761.66
James F. Bell #1E	MW-1	11/3/03	NA	na	0.04	0.79	762.45
James F. Bell #1E	MW-1	11/10/03	NA	0.00	0.04	0.79	763.24
James F. Bell #1E	MW-1	11/17/03	NA	0.00	0.04	0.79	764.03
James F. Bell #1E	MW-1	11/26/03	NA	0.00	0.06	1.18	765.21
James F. Bell #1E	MW-1	12/4/03	NA	0.00	0.02	0.30	765.51
James F. Bell #1E	MW-1	12/9/03	NA	0.00	0.04	0.79	766.30
James F. Bell #1E	MW-1	12/15/03	28.04	28.24	0.20	0.13	766.43
James F. Bell #1E	MW-1	1/2/04	NA	0.00	0.00	0.20	766.63
James F. Bell #1E	MW-1	1/11/04	NA	0.00	0.00	0.59	767.22
James F. Bell #1E	MW-1	1/16/04	NA	0.00	0.00	0.00	767.22
James F. Bell #1E	MW-1	1/23/04	NA	0.00	0.00	0.59	767.81
James F. Bell #1E	MW-1	1/30/04	NA	0.00	0.00	0.10	767.91
James F. Bell #1E	MW-1	2/6/04	NA	0.00	0.00	0.49	768.40
James F. Bell #1E	MW-1	2/12/04	NA	0.00	0.00	0.20	768.60
James F. Bell #1E	MW-1	2/18/04	NA	0.00	0.00	0.59	769.19
James F. Bell #1E	MW-1	2/27/04	28.19	28.21	0.02	0.20	769.39
James F. Bell #1E	MW-1	3/16/04	28.08	28.13	0.05	0.79	770.18
James F. Bell #1E	MW-1	4/13/04	NA	0.00	0.00	1.87	772.05
James F. Bell #1E	MW-1	5/10/04	NA	0.00	0.00	1.87	773.92
James F. Bell #1E	MW-1	6/2/04	NA	0.00	0.00	1.37	775.29
James F. Bell #1E	MW-1	6/9/04	28.03	28.27	0.24	0.00	775.29
James F. Bell #1E	MW-1	7/26/04	27.95	28.48	0.53	0.50	775.79
James F. Bell #1E	MW-1	8/16/04	NA	0.00	0.00	0.79	776.58
James F. Bell #1E	MW-1	9/9/04	NA	0.00	0.00	1.37	777.95

TABLE 2

**SUMMARY OF FREE-PRODUCT REMOVAL
JAMES F BELL #1E (METER #94715)**

Site Name	Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Volume of Product Removed (gallons)
James F. Bell #1E	MW-1	9/10/04	27.82	27.89	0.07	0.00	777.95
James F. Bell #1E	MW-1	10/11/04	NA	0.00	0.00	0.79	778.74
James F. Bell #1E	MW-1	11/17/04	NA	0.00	0.00	0.39	779.13
James F. Bell #1E	MW-1	12/13/04	NA	0.00	0.00	0.49	779.62
James F. Bell #1E	MW-1	12/14/04	27.675	27.68	0.01	0.00	779.62
James F. Bell #1E	MW-1	12/18/04	27.67	27.71	0.04	0.00	779.62
James F. Bell #1E	MW-1	1/17/05	NA	0.00	0.00	0.58	780.20
James F. Bell #1E	MW-1	2/15/05	NA	0.00	0.00	0.58	780.78
James F. Bell #1E	MW-1	3/16/05	NA	0.00	0.00	0.59	781.37
James F. Bell #1E	MW-1	3/17/05	27.65	27.83	0.18	0.00	781.37
James F. Bell #1E	MW-1	4/15/05	27.72	28.03	0.31	0.22	781.59
James F. Bell #1E	MW-1	5/17/05	27.35	27.78	0.43	0.36	781.95
James F. Bell #1E	MW-1	6/17/05	NA	0.00	0.00	2.15	784.10
James F. Bell #1E	MW-1	6/23/05	27.21	27.23	0.02	0.00	784.10
James F. Bell #1E	MW-1	7/19/05	NA	0.00	0.00	0.00	784.10
James F. Bell #1E	MW-1	8/22/05	NA	0.00	0.00	0.10	784.20
James F. Bell #1E	MW-1	9/12/05	26.52	26.56	0.05	0.88	785.08
James F. Bell #1E	MW-1	10/28/05	NA	26.27	0.00	0.00	785.08
James F. Bell #1E	MW-1	11/18/05	NA	26.26	0.00	0.00	785.08
James F. Bell #1E	MW-1	12/22/05	NA	26.09	0.00	0.00	785.08
James F. Bell #1E	MW-1	1/18/06	NA	26.02	0.00	0.00	785.08
James F. Bell #1E	MW-1	2/21/06	NA	26.14	0.00	0.00	785.08
James F. Bell #1E	MW-1	3/25/06	NA	26.20	0.00	0.00	785.08
James F. Bell #1E	MW-1	4/28/06	NA	26.34	0.00	0.00	785.08
James F. Bell #1E	MW-1	5/23/06	NA	26.39	0.00	0.00	785.08
James F. Bell #1E	MW-1	6/14/06	NA	26.33	0.00	0.00	785.08
James F. Bell #1E	MW-1	7/21/06	NA	26.38	0.00	0.00	785.08
James F. Bell #1E	MW-1	8/24/06	NA	26.29	0.00	0.00	785.08
James F. Bell #1E	MW-1	9/25/06	NA	26.30	0.00	0.00	785.08
James F. Bell #1E	MW-3	3/12/01	27.84	29.18	1.34	1.00	1.00
James F. Bell #1E	MW-3	4/6/01	27.86	29.27	1.41	1.00	2.00
James F. Bell #1E	MW-3	6/5/01	28.06	29.48	1.42	1.00	3.00

TABLE 2

**SUMMARY OF FREE-PRODUCT REMOVAL
JAMES F BELL #1E (METER #94715)**

Site Name	Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Volume of Product Removed (gallons)
James F. Bell #1E	MW-3	6/14/01	27.98	29.41	1.43	1.25	4.25
James F. Bell #1E	MW-3	6/22/01	NA	0.00	0.00	1.00	5.25
James F. Bell #1E	MW-3	6/28/01	28.15	29.57	1.42	1.25	6.50
James F. Bell #1E	MW-3	7/6/01	28.06	29.41	1.35	1.25	7.75
James F. Bell #1E	MW-3	7/11/01	28.26	29.61	1.35	1.25	9.00
James F. Bell #1E	MW-3	7/20/01	28.13	29.43	0.27	1.25	10.25
James F. Bell #1E	MW-3	7/26/01	NA	0.00	0.00	1.25	11.50
James F. Bell #1E	MW-3	8/2/01	28.22	29.5	1.28	1.25	12.75
James F. Bell #1E	MW-3	8/8/01	28.16	29.4	1.24	1.25	14.00
James F. Bell #1E	MW-3	8/16/01	28.21	29.46	1.25	1.25	15.25
James F. Bell #1E	MW-3	8/20/01	28.31	29.61	1.30	1.25	16.50
James F. Bell #1E	MW-3	8/31/01	28.17	29.47	1.30	1.25	17.75
James F. Bell #1E	MW-3	9/6/01	28.31	29.62	1.31	1.25	19.00
James F. Bell #1E	MW-3	9/17/01	28.34	29.62	1.28	1.25	20.25
James F. Bell #1E	MW-3	9/25/01	28.22	29.48	1.26	1.25	21.50
James F. Bell #1E	MW-3	10/3/01	28.25	29.47	1.21	1.25	22.75
James F. Bell #1E	MW-3	10/11/01	28.23	29.5	1.27	1.25	24.00
James F. Bell #1E	MW-3	12/4/01	28.55	29.89	0.34	1.25	25.25
James F. Bell #1E	MW-3	12/13/01	28.54	29.89	0.35	1.25	26.50
James F. Bell #1E	MW-3	12/21/01	28.36	29.63	1.21	1.25	27.75
James F. Bell #1E	MW-3	12/28/01	28.43	29.68	1.25	1.25	29.00
James F. Bell #1E	MW-3	1/4/02	28.39	29.63	1.36	1.25	30.25
James F. Bell #1E	MW-3	1/8/02	28.41	29.59	1.18	1.25	31.50
James F. Bell #1E	MW-3	1/17/02	28.7	30	1.30	1.25	32.75
James F. Bell #1E	MW-3	1/23/02	28.7	28.71	0.01	1.25	34.00
James F. Bell #1E	MW-3	1/31/02	28.68	28.7	0.02	2.50	36.50
James F. Bell #1E	MW-3	2/7/02	28.7	30	0.30	1.25	37.75
James F. Bell #1E	MW-3	2/14/02	27.8	28.8	1.00	1.25	39.00
James F. Bell #1E	MW-3	2/20/02	28.74	28.76	0.02	1.25	40.25
James F. Bell #1E	MW-3	2/28/02	28.64	29.82	1.19	1.25	41.50
James F. Bell #1E	MW-3	3/6/02	28.55	29.72	1.17	1.25	42.75
James F. Bell #1E	MW-3	3/11/02	28.72	29.9	0.18	1.25	44.00

TABLE 2

**SUMMARY OF FREE-PRODUCT REMOVAL
JAMES F BELL #1E (METER #94715)**

Site Name	Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Volume of Product Removed (gallons)
James F. Bell #1E	MW-3	3/21/02	28.61	29.82	0.19	1.25	45.25
James F. Bell #1E	MW-3	3/28/02	28.57	29.74	1.17	1.25	46.50
James F. Bell #1E	MW-3	4/4/02	28.66	29.84	1.18	1.25	47.75
James F. Bell #1E	MW-3	4/12/02	28.93	30.28	1.35	1.00	48.75
James F. Bell #1E	MW-3	4/19/02	28.93	30.25	1.32	1.00	49.75
James F. Bell #1E	MW-3	4/25/02	28.93	30.24	1.31	1.00	50.75
James F. Bell #1E	MW-3	5/3/02	NA	28.96	0.00	1.00	51.75
James F. Bell #1E	MW-3	5/15/02	28.69	29.86	1.17	1.25	53.00
James F. Bell #1E	MW-3	5/24/02	28.53	29.53	1.00	0.00	53.00
James F. Bell #1E	MW-3	5/31/02	28.72	29.96	1.24	1.25	54.25
James F. Bell #1E	MW-3	6/7/02	28.72	29.91	1.19	1.25	54.25
James F. Bell #1E	MW-3	6/14/02	28.97	30.31	1.34	0.25	54.50
James F. Bell #1E	MW-3	6/21/02	29.32	30.54	1.32	1.25	55.75
James F. Bell #1E	MW-3	6/27/02	29.3	30.65	1.35	1.25	57.00
James F. Bell #1E	MW-3	7/2/02	29.25	30.56	1.31	1.25	58.25
James F. Bell #1E	MW-3	7/11/02	29.31	30.66	1.35	1.25	59.50
James F. Bell #1E	MW-3	7/22/02	29.17	30.54	1.37	1.50	61.00
James F. Bell #1E	MW-3	7/25/02	29.246	30.398	1.15	1.25	62.25
James F. Bell #1E	MW-3	7/31/02	29.042	30.38	1.36	1.50	63.75
James F. Bell #1E	MW-3	8/8/02	29.125	30.15	1.03	0.50	64.25
James F. Bell #1E	MW-3	8/16/02	29.3	35.25	5.95	2.00	66.25
James F. Bell #1E	MW-3	8/22/02	28.74	30.07	1.33	1.00	67.25
James F. Bell #1E	MW-3	8/28/02	28.78	29.75	0.97	0.00	67.25
James F. Bell #1E	MW-3	9/6/02	28.975	30.032	1.06	0.00	67.25
James F. Bell #1E	MW-3	9/10/02	NA	0.00	0.00	2.00	69.25
James F. Bell #1E	MW-3	9/13/02	28.63	29.29	0.66	0.00	69.25
James F. Bell #1E	MW-3	9/19/02	29.415	30.43	1.02	1.00	70.25
James F. Bell #1E	MW-3	9/25/02	29.4	30.279	0.88	0.25	70.50
James F. Bell #1E	MW-3	10/4/02	29.345	30.19	0.85	1.50	72.00
James F. Bell #1E	MW-3	10/10/02	29.455	30.315	0.86	1.50	73.50
James F. Bell #1E	MW-3	10/15/02	29.495	30.285	0.79	1.50	75.00

TABLE 2

**SUMMARY OF FREE-PRODUCT REMOVAL
JAMES F BELL #1E (METER #94715)**

Site Name	Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Volume of Product Removed (gallons)
James F. Bell #1E	MW-3	10/23/02	29.66	30.32	0.66	1.50	76.50
James F. Bell #1E	MW-3	10/30/02	29.32	30.575	1.26	1.25	77.75
James F. Bell #1E	MW-3	11/8/02	29.36	30.578	1.22	1.50	79.25
James F. Bell #1E	MW-3	11/21/02	29.45	30.45	1.00	1.50	80.75
James F. Bell #1E	MW-3	12/4/02	29.48	30.47	0.99	1.75	82.50
James F. Bell #1E	MW-3	12/10/02	29.48	30.23	0.75	0.75	83.25
James F. Bell #1E	MW-3	12/18/02	29.38	30.28	0.90		83.25
James F. Bell #1E	MW-3	12/27/02	29.45	30.21	0.75	0.50	83.75
James F. Bell #1E	MW-3	1/7/03	29.45	30.26	0.81	0.00	83.75
James F. Bell #1E	MW-3	1/22/03	28.75	29.46	0.71	1.00	84.75
James F. Bell #1E	MW-3	1/29/03	28.76	29.34	0.58	0.75	85.50
James F. Bell #1E	MW-3	2/5/03	28.29	28.77	0.48	0.66	86.16
James F. Bell #1E	MW-3	2/12/03	28.78	29.33	0.55	0.80	86.96
James F. Bell #1E	MW-3	2/20/03	28.77	29.33	0.61	1.00	87.96
James F. Bell #1E	MW-3	2/28/03	28.8	29.31	0.51	0.60	88.56
James F. Bell #1E	MW-3	3/2/03	28.81	29.27	0.48	0.50	89.06
James F. Bell #1E	MW-3	3/6/03	28.79	29.31	0.52	0.75	89.81
James F. Bell #1E	MW-3	3/19/03	28.82	29.3	0.48	0.50	90.31
James F. Bell #1E	MW-3	3/26/03	28.82	29.33	0.51	0.33	90.64
James F. Bell #1E	MW-3	4/2/03	28.8	29.33	0.53	0.50	91.14
James F. Bell #1E	MW-3	4/10/03	28.84	29.32	0.48	0.33	91.47
James F. Bell #1E	MW-3	4/18/03	28.85	29.29	0.44	0.30	91.77
James F. Bell #1E	MW-3	4/28/03	28.86	29.19	0.33	0.20	91.97
James F. Bell #1E	MW-3	5/7/03	28.83	29.25	0.42	0.30	92.27
James F. Bell #1E	MW-3	5/13/03	28.85	29.27	0.42	0.30	92.57
James F. Bell #1E	MW-3	5/21/03	28.86	29.29	0.43	0.30	92.87
James F. Bell #1E	MW-3	5/27/03	28.85	29.21	0.36	0.25	93.12
James F. Bell #1E	MW-3	6/3/03	28.84	29.23	0.39	0.33	93.45
James F. Bell #1E	MW-3	6/9/03	28.84	29.2	0.36	0.33	93.78
James F. Bell #1E	MW-3	6/16/03	28.82	29.2	0.38	0.25	94.03

TABLE 2

**SUMMARY OF FREE-PRODUCT REMOVAL
JAMES F BELL #1E (METER #94715)**

Site Name	Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Volume of Product Removed (gallons)
James F. Bell #1E	MW-3	6/19/03	28.86	29.16	0.3	0.00	94.03
James F. Bell #1E	MW-3	6/23/03	28.83	29.23	0.4	0.25	94.28
James F. Bell #1E	MW-3	7/1/03	29.78	29.85	0.07	0.30	94.58
James F. Bell #1E	MW-3	7/10/03	29.96	30.39	0.43	0.00	94.58
James F. Bell #1E	MW-3	7/15/03	30.12	30.29	0.17	0.40	94.98
James F. Bell #1E	MW-3	7/21/03	30.11	30.24	0.13	0.40	95.38
James F. Bell #1E	MW-3	7/29/03	29.89	30.14	0.25	0.40	95.78
James F. Bell #1E	MW-3	8/4/03	29.62	29.94	0.31	0.36	96.14
James F. Bell #1E	MW-3	8/11/03	30.02	30.09	0.07	0.86	97.00
James F. Bell #1E	MW-3	8/18/03	30.01	30.09	0.08	0.59	97.59
James F. Bell #1E	MW-3	8/25/03	30	30.09	0.09	0.53	98.12
James F. Bell #1E	MW-3	9/2/03	30.03	30.12	0.09	0.49	98.62
James F. Bell #1E	MW-3	9/8/03	30.05	30.15	0.1	0.38	98.99
James F. Bell #1E	MW-3	9/15/03	29.97	30.05	0.08	0.47	99.46
James F. Bell #1E	MW-3	9/22/03	28.7	29.14	0.44	0.33	99.79
James F. Bell #1E	MW-3	9/29/03	29.95	29.98	0.03	0.73	100.52
James F. Bell #1E	MW-3	10/6/03	29.94	30	0.06	0.31	100.84
James F. Bell #1E	MW-3	10/13/03	29.89	29.95	0.06	0.42	101.26
James F. Bell #1E	MW-3	10/20/03	29.8	29.86	0.06	0.38	101.63
James F. Bell #1E	MW-3	10/27/03	29.8	29.85	0.05	0.59	102.23
James F. Bell #1E	MW-3	11/3/03	29.8	29.83	0.03	0.16	102.38
James F. Bell #1E	MW-3	11/10/03	29.65	29.66	0.01	0.16	102.54
James F. Bell #1E	MW-3	11/17/03	29.31	29.32	0.01	0.03	102.57
James F. Bell #1E	MW-3	11/26/03	29.31	29.32	0.01	0.01	102.58
James F. Bell #1E	MW-3	12/4/03	NA	29.23	0.00	0.00	102.58
James F. Bell #1E	MW-3	12/9/03	NA	29.24	0.00	0.00	102.58
James F. Bell #1E	MW-3	12/15/03	NA	28.4	0.00	0.00	102.58
James F. Bell #1E	MW-3	1/2/04	NA	28.42	0.00	0.00	102.58
James F. Bell #1E	MW-3	1/11/04	28.36	28.37	0.01	0.00	102.58
James F. Bell #1E	MW-3	1/16/04	28.245	28.25	0.01	0.00	102.59
James F. Bell #1E	MW-3	1/23/04	NA	28.22	0.00	0.00	102.59
James F. Bell #1E	MW-3	1/30/04	28.22	28.222	0.00	0.00	102.59

TABLE 2

**SUMMARY OF FREE-PRODUCT REMOVAL
JAMES F BELL #1E (METER #94715)**

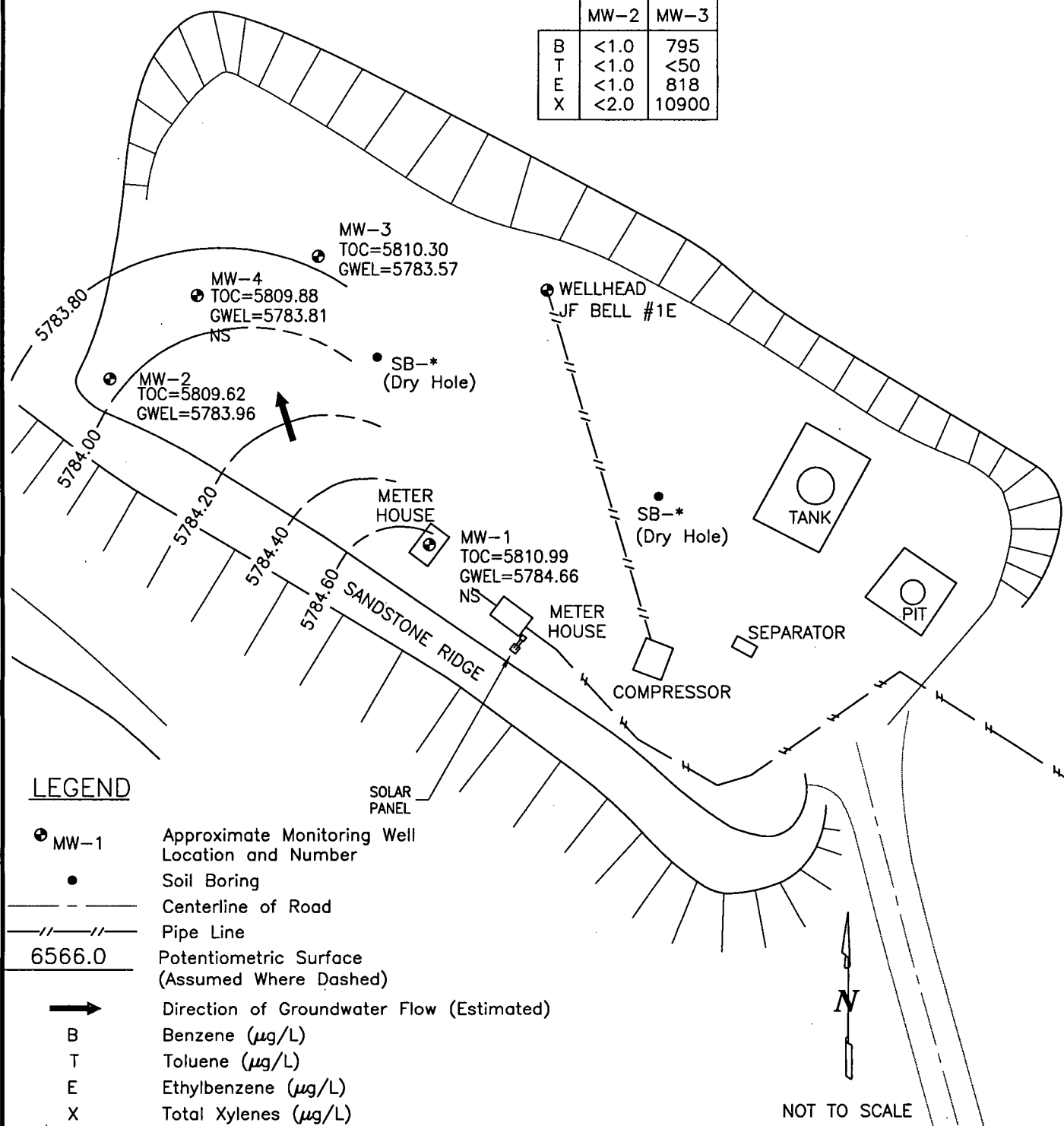
Site Name	Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Volume of Product Removed (gallons)
James F. Bell #1E	MW-3	2/6/04	NA	28.23	0.00	0.00	102.59
James F. Bell #1E	MW-3	2/12/04	NA	28.2	0.00	0.00	102.59
James F. Bell #1E	MW-3	2/18/04	NA	28.17	0.00	0.00	102.59
James F. Bell #1E	MW-3	2/27/04	NA	28.2	0.00	0.00	102.59
James F. Bell #1E	MW-3	3/16/04	NA	28.21	0.00	0.00	102.59
James F. Bell #1E	MW-3	4/13/04	NA	28.19	0.00	0.00	102.59
James F. Bell #1E	MW-3	5/10/04	NA	28.22	0.00	0.00	102.59
James F. Bell #1E	MW-3	6/2/04	NA	28.19	0.00	0.00	102.59
James F. Bell #1E	MW-3	6/9/04	NA	28.21	0.00	0.00	102.59
James F. Bell #1E	MW-3	7/26/04	NA	28.08	0.00	0.00	102.59
James F. Bell #1E	MW-3	8/16/04	NA	28.08	0.00	0.00	102.59
James F. Bell #1E	MW-3	9/9/04	NA	28.02	0.00	0.00	102.59
James F. Bell #1E	MW-3	9/10/04	NA	28.03	0.00	0.00	102.59
James F. Bell #1E	MW-3	10/11/04	NA	27.96	0.00	0.00	102.59
James F. Bell #1E	MW-3	11/17/04	NA	27.87	0.00	0.00	102.59
James F. Bell #1E	MW-3	12/13/04	NA	27.87	0.00	0.00	102.59
James F. Bell #1E	MW-3	12/14/04	NA	27.825	0.00	0.00	102.59
James F. Bell #1E	MW-3	1/17/05	NA	27.78	0.00	0.00	102.59
James F. Bell #1E	MW-3	2/15/05	NA	27.75	0.00	0.00	102.59
James F. Bell #1E	MW-3	3/16/05	NA	27.72	0.00	0.00	102.59
James F. Bell #1E	MW-3	3/17/05	NA	37.69	0.00	0.00	102.59
James F. Bell #1E	MW-3	4/15/05	NA	27.69	0.00	0.00	102.59
James F. Bell #1E	MW-3	5/17/05	NA	27.38	0.00	0.00	102.59
James F. Bell #1E	MW-3	6/23/05	NA	27.19	0.00	0.00	102.59
James F. Bell #1E	MW-3	7/19/05	NA	27.07	0.00	0.00	102.59
James F. Bell #1E	MW-3	8/22/05	NA	26.87	0.00	0.00	102.59
James F. Bell #1E	MW-3	9/13/05	NA	26.78	0.00	0.00	102.59
James F. Bell #1E	MW-3	10/28/05	NA	26.43	0.00	0.00	102.59
James F. Bell #1E	MW-3	11/18/05	NA	26.44	0.00	0.00	102.59
James F. Bell #1E	MW-3	12/22/05	NA	26.36	0.00	0.00	102.59
James F. Bell #1E	MW-3	1/18/06	NA	26.36	0.00	0.00	102.59
James F. Bell #1E	MW-3	2/21/06	NA	26.52	0.00	0.00	102.59

TABLE 2

SUMMARY OF FREE-PRODUCT REMOVAL
JAMES F BELL #1E (METER #94715)

Site Name	Monitoring Well	Removal Date	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Volume of Product Removed (gallons)
James F. Bell #1E	MW-3	3/25/06	NA	26.60	0.00	0.00	102.59
James F. Bell #1E	MW-3	4/28/06	NA	26.73	0.00	0.00	102.59
James F. Bell #1E	MW-3	5/23/06	NA	26.78	0.00	0.00	102.59
James F. Bell #1E	MW-3	6/14/06	NA	26.71	0.00	0.00	102.59

	MW-2	MW-3
B	<1.0	795
T	<1.0	<50
E	<1.0	818
X	<2.0	10900



JAMES F. BELL #1E, METER 94715
JUNE 2006

GROUNDWATER SITES
EL PASO TENNESSEE PIPELINE COMPANY

FIGURE 1

FIGURE 2
HISTORIC BTEX CONCENTRATIONS AND GROUNDWATER ELEVATIONS
JAMES F BELL #1E
MW-1

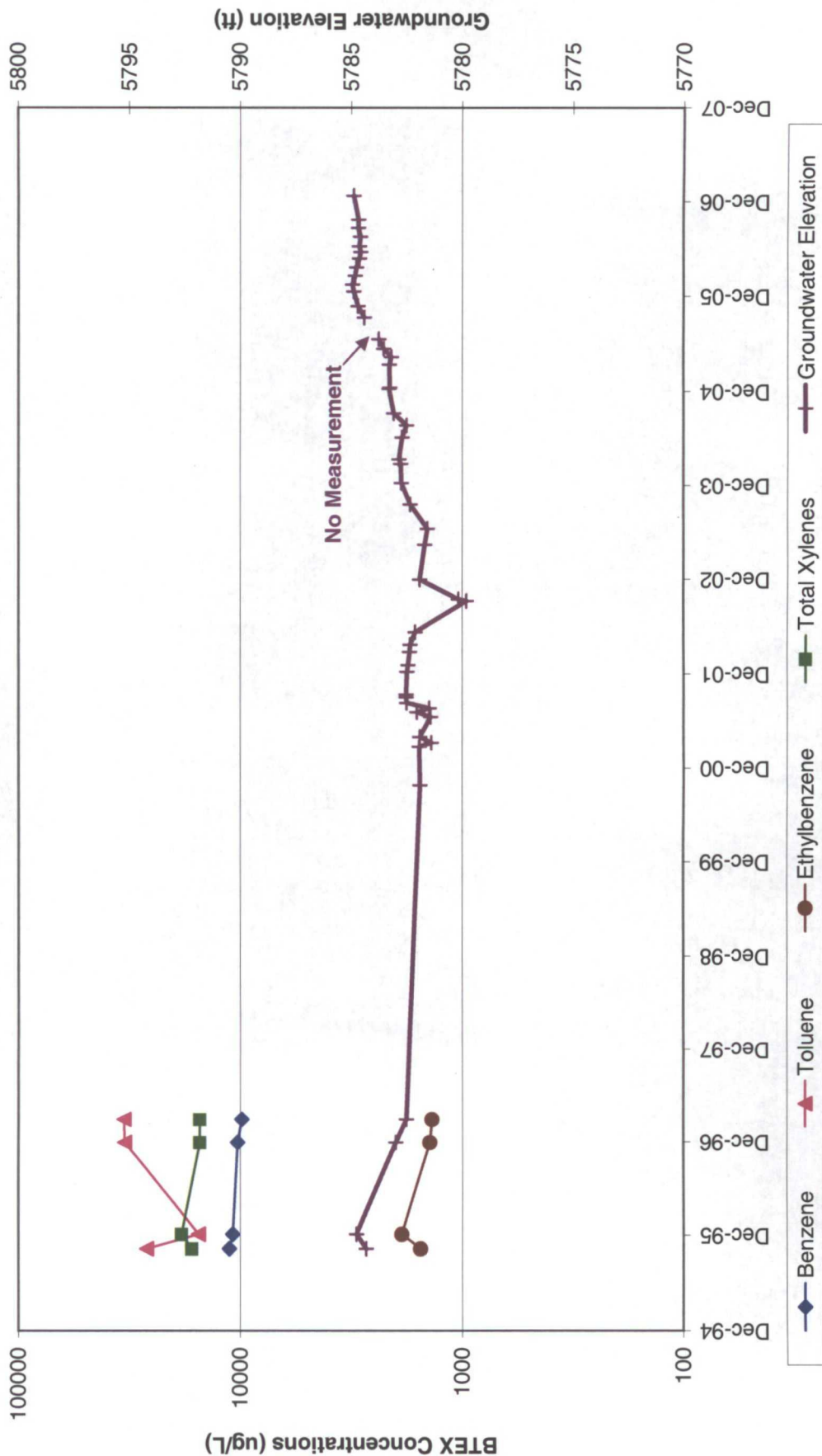
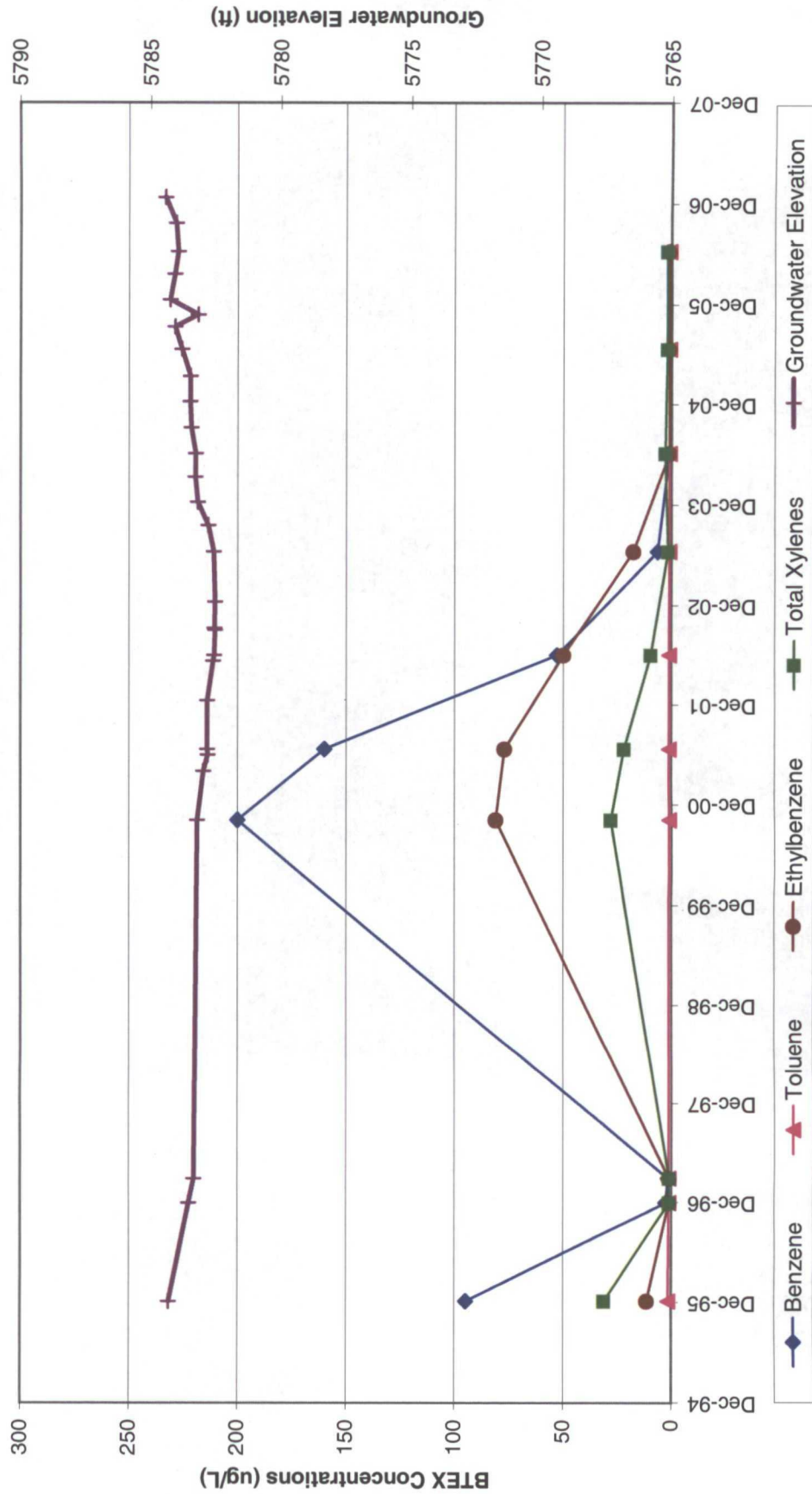
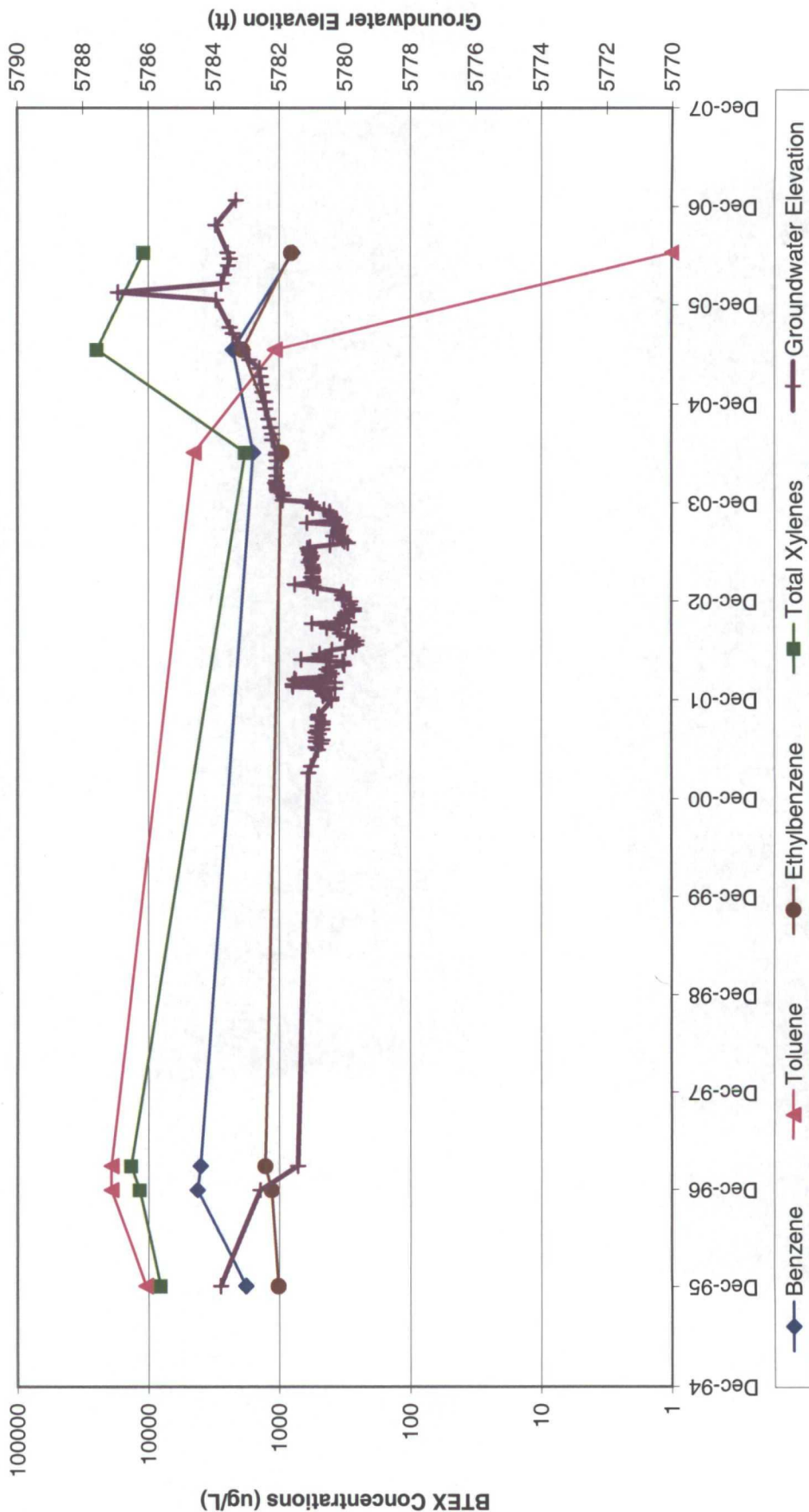


FIGURE 3
HISTORIC BTEX CONCENTRATIONS AND GROUNDWATER ELEVATIONS
JAMES F BELL #1E
MW-2



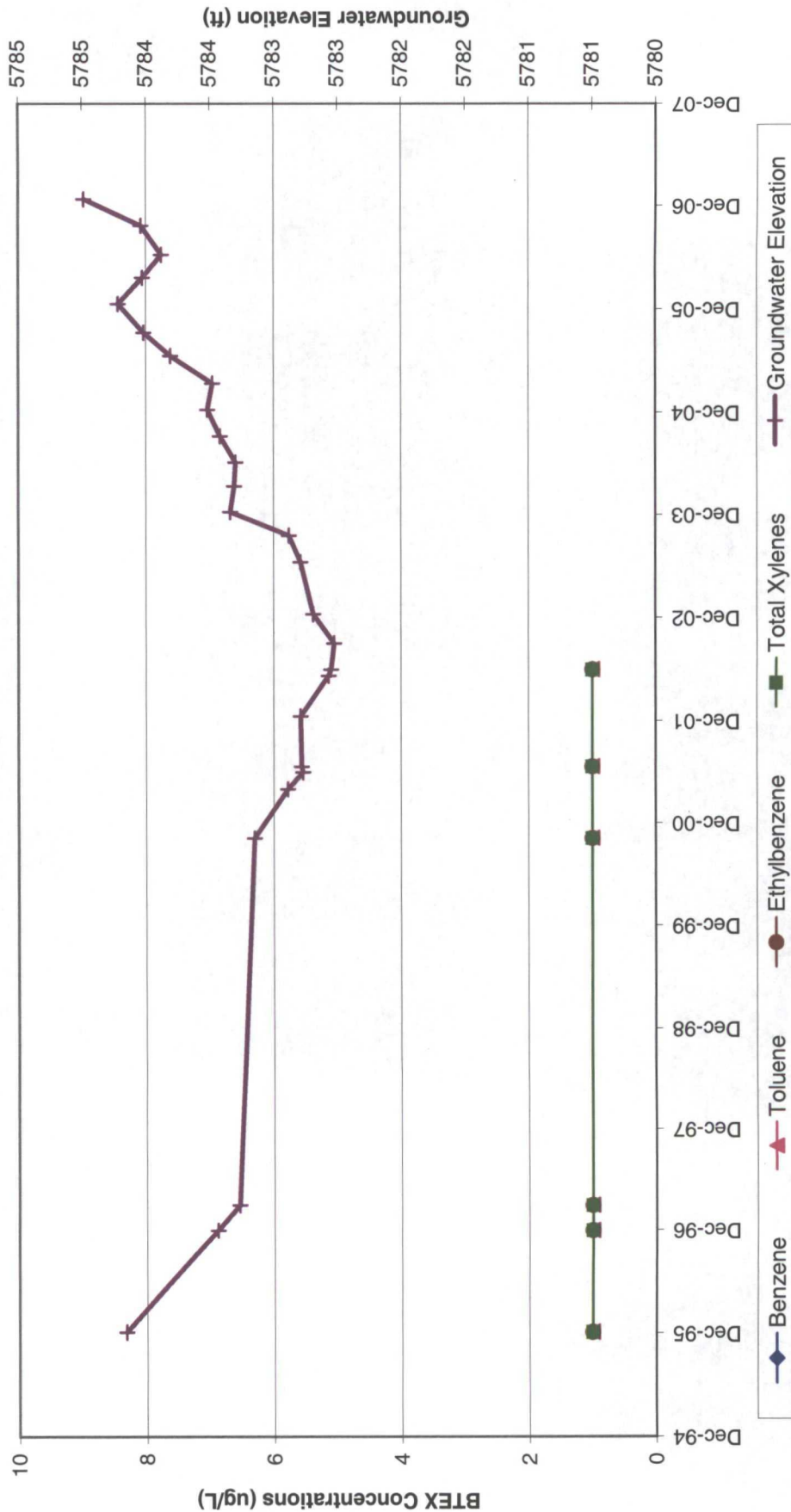
Note: A value of 1 indicates parameter not detected.

FIGURE 4
HISTORIC BTX CONCENTRATIONS AND GROUNDWATER ELEVATIONS
JAMES F BELL #1E
MW-3



Note: A value of 1 indicates parameter not detected.

FIGURE 5
HISTORIC BTX CONCENTRATIONS AND GROUNDWATER ELEVATIONS
JAMES F BELL #1E
MW-4



Note: A value of 1 indicates parameter not detected.

FIGURE 6
HISTORIC FREE-PRODUCT RECOVERY
JAMES F BELL #1E
MW-1

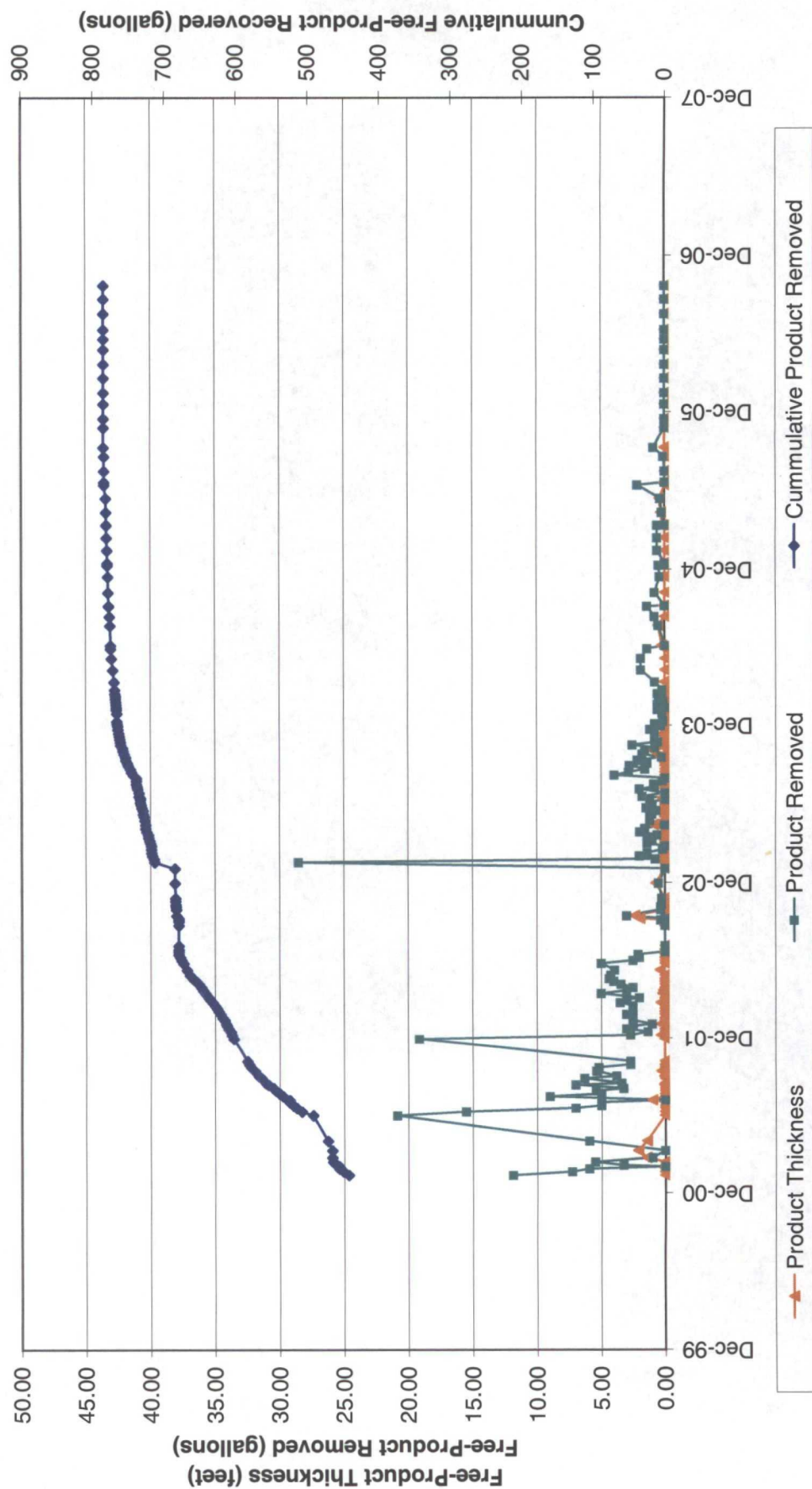


FIGURE 7
HISTORIC FREE-PRODUCT RECOVERY
JAMES F BELL #1E
MW-3

