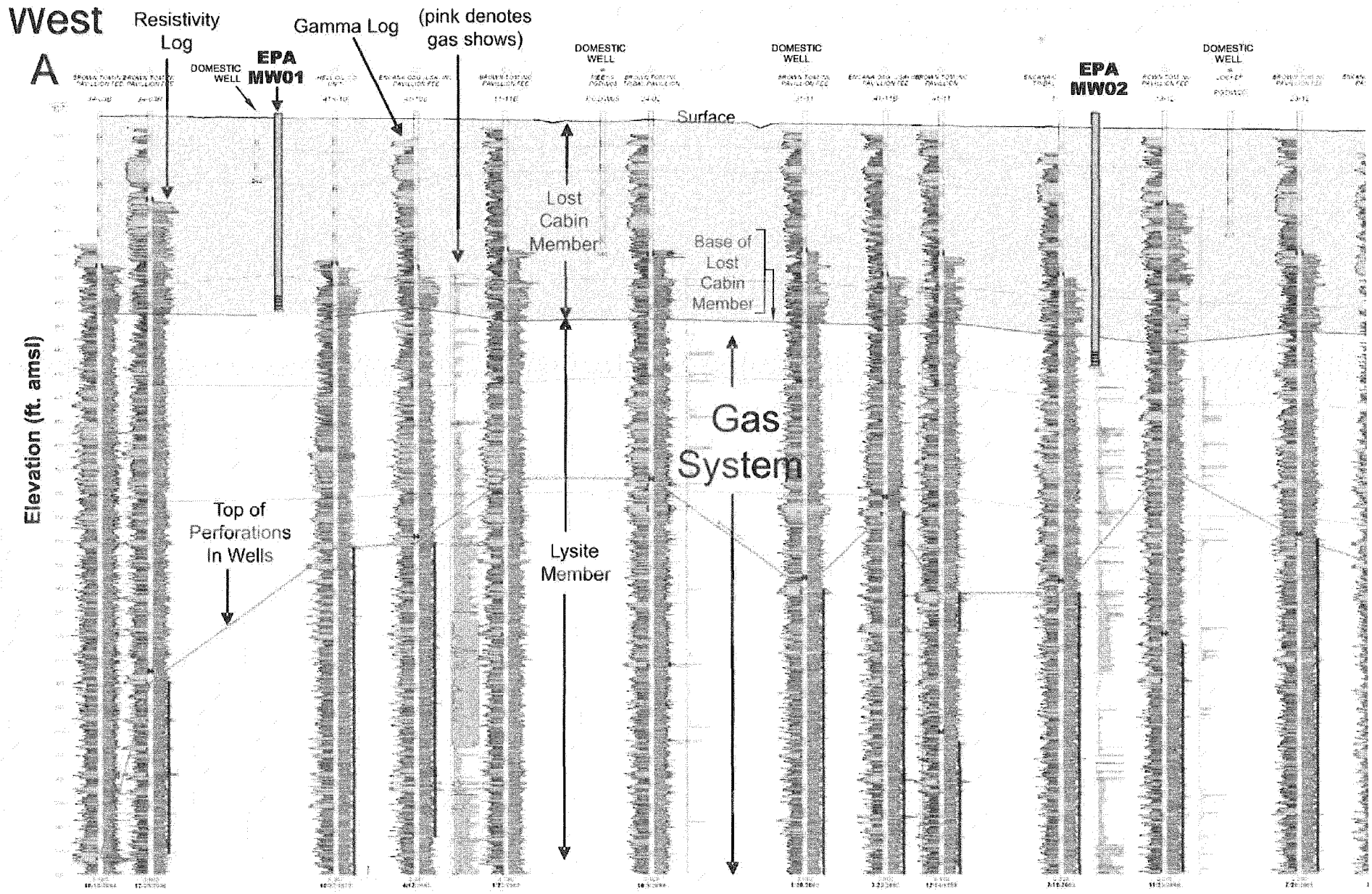

Source: Modified from Encana

PROJECT NO.	1972
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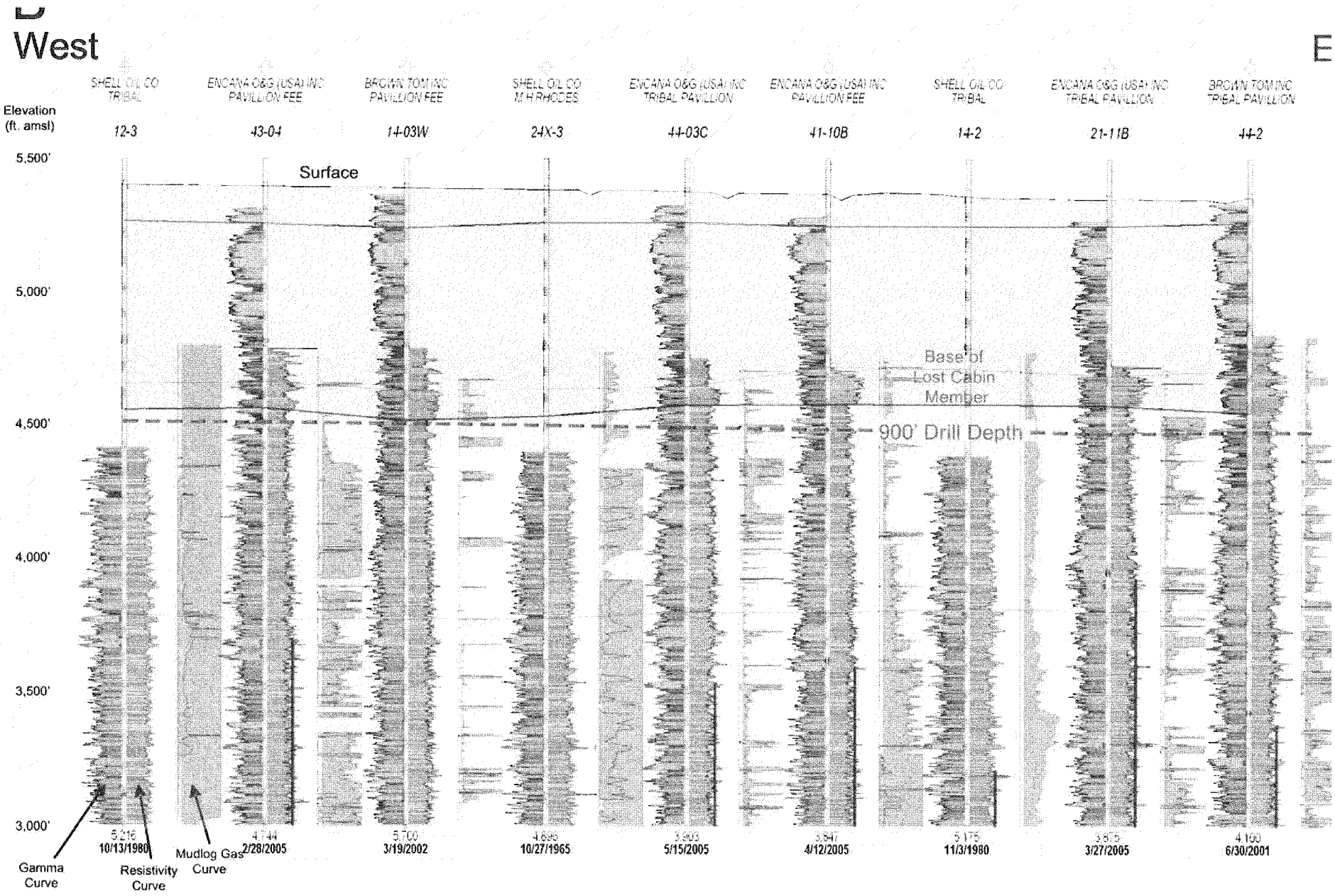
US

EPAPAV0057455



Source: Encana

PROJECT NO.	1972
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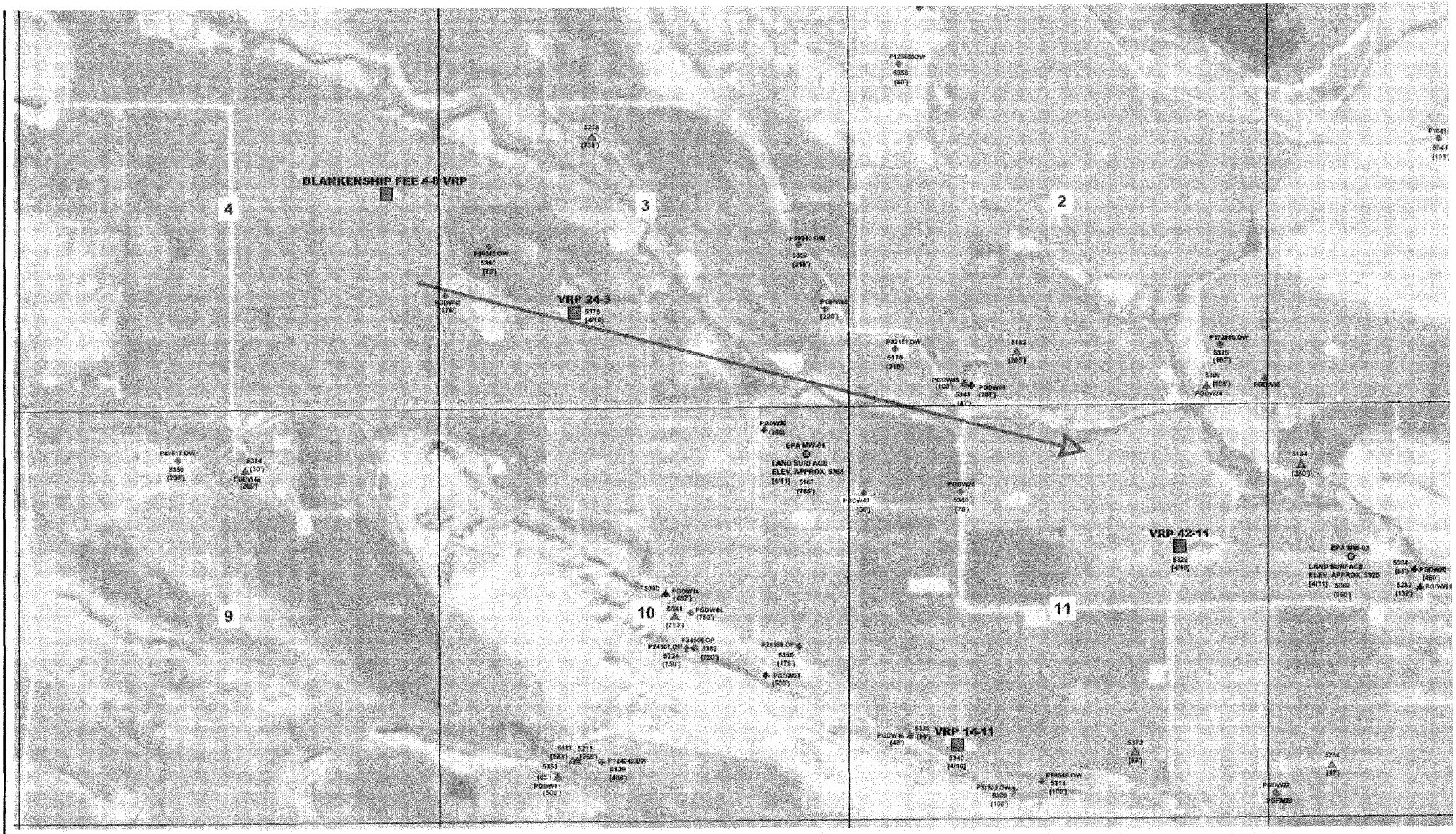
En

EPAPAV0057457



LEGEND

PGDW38	DOMESTIC WELL	(336')	WELL DEPTH
EPA MW-02	EPA WELL	[4/11]	DATE MEASURED
			GROUNDWATER FLOW DIRECTION

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BY	RJS

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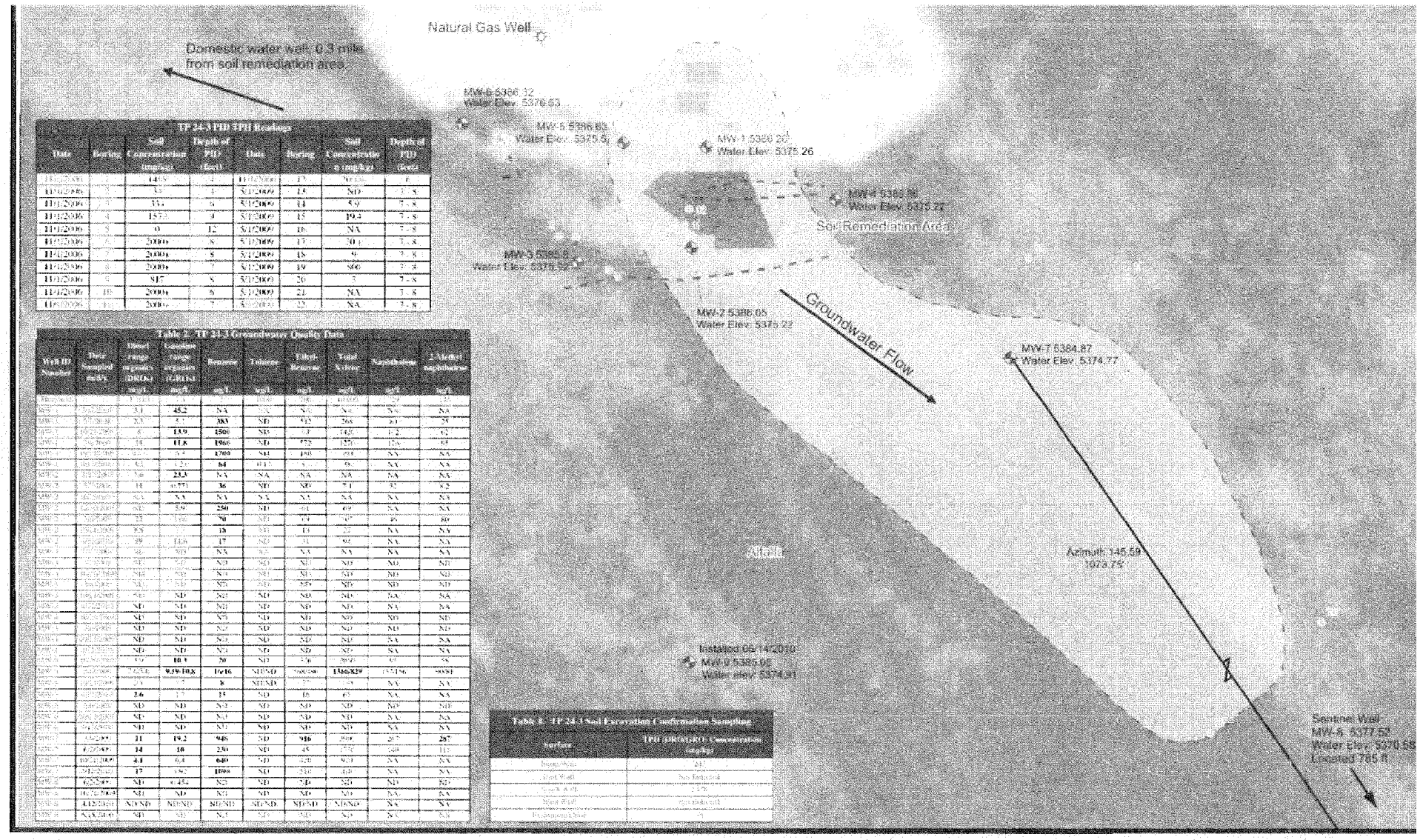

TF 24-3 PID TPH Readings

Date	Boring	Soil Concentration (mg/kg)	Depth of PID (feet)	Date	Boring	Soil Concentration (mg/kg)	Depth of PID (feet)
11/02/2006	[illegible]	1455	2	11/02/2006	17	[illegible]	8
11/02/2006	2	32	1	5/12/2009	14	ND	7 - 8
11/02/2006	2	334	6	5/12/2009	14	5.9	7 - 8
11/02/2006	4	1573	9	5/12/2009	15	19.4	7 - 8
11/02/2006	5	0	12	5/12/2009	16	NA	7 - 8
11/02/2006	6	2000+	8	5/12/2009	17	20.1	7 - 8
11/02/2006	7	2000+	8	5/12/2009	18	9	7 - 8
11/02/2006	8	2000+	7	5/12/2009	19	500	7 - 8
11/02/2006	9	817	8	5/12/2009	20	3	7 - 8
11/02/2006	10	2000+	6	5/12/2009	21	NA	7 - 8
11/02/2006	11	2000+	7	5/12/2009	22	NA	7 - 8

Table 2. TF 24-3 Groundwater Quality Data

Well ID Number	Date Sampled (mo/d/y)	Diesel range organics (DRO) (mg/L)	Gasoline range organics (GRO) (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylene (ug/L)	Naphthalene (ug/L)	1,2,4-trimethyl naphthalene (ug/L)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	3.1	45.2	NA	NA	NA	NA	NA	NA
MW-1	[illegible]	2.3	5.7	333	ND	9.3	26.6	2.1	2.6
[illegible]	[illegible]	6	13.9	1500	ND	7	14.5	17.2	7.5
[illegible]	[illegible]	14	11.8	1900	ND	77.2	157.6	17.6	6.4
[illegible]	[illegible]	[illegible]	5.4	1700	ND	140	91.8	NA	NA
[illegible]	[illegible]	0.1	0.22	64	0.11	3	9.5	NA	NA
[illegible]	[illegible]	7.6	22.3	NA	NA	NA	NA	NA	NA
[illegible]	[illegible]	18	0.771	36	ND	ND	7.1	3.3	3.2
[illegible]	[illegible]	NA	NA	NA	NA	NA	NA	NA	NA
[illegible]	[illegible]	ND	5.9	250	ND	6.1	6.9	NA	NA
[illegible]	[illegible]	22	[illegible]	70	ND	7.9	9.7	4.6	8.9
[illegible]	[illegible]	8.5	[illegible]	18	ND	1.9	2.2	NA	NA
[illegible]	[illegible]	39	11.6	17	ND	3.1	9.2	NA	NA
[illegible]	[illegible]	[illegible]	ND	NA	NA	NA	NA	NA	NA
[illegible]	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND
[illegible]	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND
[illegible]	[illegible]	ND	ND	ND	ND	25.9	ND	ND	ND
[illegible]	[illegible]	ND	ND	ND	ND	ND	ND	NA	NA
[illegible]	[illegible]	ND	ND	ND	ND	ND	ND	NA	NA
[illegible]	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND
[illegible]	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND
[illegible]	[illegible]	ND	ND	ND	ND	ND	ND	NA	NA
[illegible]	[illegible]	ND	ND	ND	ND	ND	ND	NA	NA
[illegible]	[illegible]	7.7	10.3	70	ND	7.6	20.9	6.7	5.6
[illegible]	[illegible]	7.5X10	9.39X10	1616	ND*10	[illegible]	1346.829	[illegible]	[illegible]
[illegible]	[illegible]	2.3	[illegible]	8	ND*10	[illegible]	[illegible]	NA	NA
[illegible]	[illegible]	2.6	1.7	15	ND	1.6	4.5	NA	NA
[illegible]	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND
[illegible]	[illegible]	ND	ND	ND	ND	ND	ND	NA	NA
[illegible]	[illegible]	ND	ND	ND	ND	ND	ND	NA	NA
[illegible]	[illegible]	11	19.2	946	ND	916	869	287	287
[illegible]	[illegible]	14	10	230	ND	45	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	4.1	6.4	640	ND	6.2	9.3	NA	NA
[illegible]	[illegible]	17	[illegible]	1090	ND	3.10	6.2	NA	NA
[illegible]	[illegible]	ND	0.454	ND	ND	ND	ND	ND	ND
[illegible]	[illegible]	ND	ND	ND	ND	ND	ND	NA	NA
[illegible]	4/12/2010	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NA	NA
[illegible]	NA/2010	ND	ND	ND	ND	ND	ND	NA	NA

Table 3. TF 24-3 Soil Excavation Confirmation Sampling

Surface	TPH (DRO/GRO) Concentration (mg/kg)
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

ND: Non-detectable
NA: Not analyzed

Monitoring Wells
Boring
Gas Well
Topographic Contour
Separator
Test Trench
Soil Remediation Area
Estimated Benzene Groundwater Plume

So

PROJECT NO.	1972
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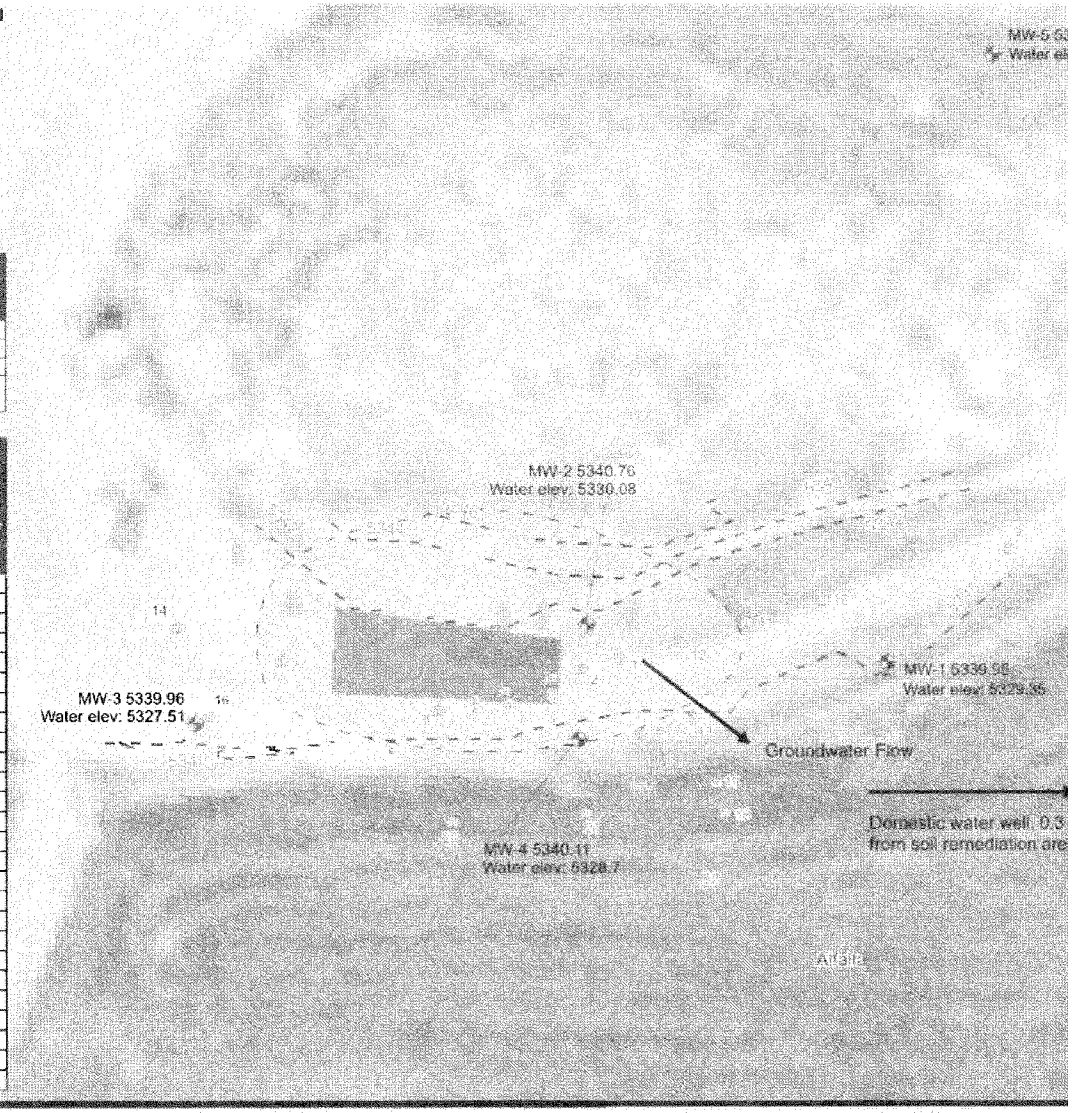
Soil and Gro

EPAPAV0057461

Date	Boring #	Soil Concentration (mg/kg)	Depth of PID (feet)
11/29/2006	1	2000+	12
11/29/2006	2	2000+	12
11/29/2006	3	2000+	12
11/29/2006	4	2000+	11.5
11/29/2006	5	2000+	11.5
11/29/2006	6	2000+	11.5
11/29/2006	7	2000+	11.5
11/29/2006	8	1917	11.5
11/29/2006	9	0	5
11/29/2006	10	0	3
11/29/2006	11	0	10
11/29/2006	12	650	12.5
11/29/2006	13	2000+	12
11/29/2006	14	0	15
11/29/2006	15	2000+	9
11/29/2006	16	0	15
11/29/2006	17	1810	12
3/20/2007	18	845	12
3/20/2007	19	0	12
3/20/2007	20	0	12
3/20/2007	21	0	12

Table 6. TP 42-11 Soil Excavation Confirmation Sampling	
Surface	TPH (DRO/GRO) Concentration (mg/kg)
South Wall	[illegible]
East Wall	[illegible]
North Wall	[illegible]
West Wall	[illegible]
Excavating Floor	[illegible]

Table 7. TP 42-11 Groundwater Quality Data									
Well ID Number	Date Sampled m/d/y	Diesel range organics (DROs) mg/L	Gasoline range organics (GROs) mg/L	Benzene ug/L	Toluene ug/L	Ethyl-Benzene ug/L	Total Xylene ug/L	Naphthalene ug/L	2-Methyl naphthalene ug/L
Threshold		1.1/10	7.3	5	1000	700	10,000	729	146
MW-1	7/17/2007	ND	0.672	NA	NA	NA	NA	NA	NA
MW-1	5/7/2008	ND	ND	ND	ND	ND	ND	ND	ND
MW-1	10/29/2008	ND	ND	ND	ND	ND	ND	ND	ND
MW-1	3/6/2009	ND/ND	ND/ND	ND/ND	ND/ND	ND/ND	ND/ND	ND/ND	ND/ND
MW-1	10/29/2009	ND/ND	ND/ND	ND/ND	ND/ND	ND/ND	ND/ND	NA	NA
MW-1	4/12/2010	ND	ND	ND	ND	ND	ND	NA	NA
MW-2	7/17/2007	**5.4**	2.3	NA	NA	NA	NA	NA	NA
MW-2	5/7/2008	3.6	1.3	**27**	ND	ND	19	43	15
MW-2	10/29/2008	**11**	0.438	**13**	ND	ND	ND	2.1	ND
MW-2	3/6/2009	9.4	1.15	**14**	ND	76	54	13	5.6
MW-2	10/29/2009	**3.2**	0.28	**7.9**	ND	5.2	32	NA	NA
MW-2	4/12/2010	**5.6**	0.313	4.2	0.13	23	34	NA	NA
MW-3	7/17/2007	ND	ND	NA	NA	NA	NA	NA	NA
MW-3	5/7/2008	ND	ND	NA	NA	NA	NA	NA	NA
MW-3	10/29/2008	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	3/6/2009	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	10/29/2009	ND	ND	ND	ND	ND	ND	NA	NA
MW-3	4/12/2010	ND	ND	ND	ND	ND	ND	NA	NA
MW-4	10/29/2008	ND	4.91	2.1	ND	ND	32	2.9	ND
MW-4	3/6/2009	**12**	**7.76**	**21**	ND	190	505	236	**225**
MW-4	10/29/2009	0.27	0.73	1.3	ND	16	40	NA	NA
MW-4	4/12/2010	**13/13**	2.83/1.79	**11/10**	0.61/.62	111/97	289/264	NA	NA
MW-5	3/6/2009	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	10/29/2009	ND	ND	ND	ND	ND	ND	NA	NA
MW-5	4/12/2010	ND	ND	ND	ND	ND	ND	NA	NA



ND: Non-detectable
NA: Not analyzed

Monitoring Wells
Boring
Gas Well
Topgraphic Contour
Test Trench
Soil Remediation Area
Separator
Estimated Benzene Groundwater Plume

So

PROJECT NO.	1972
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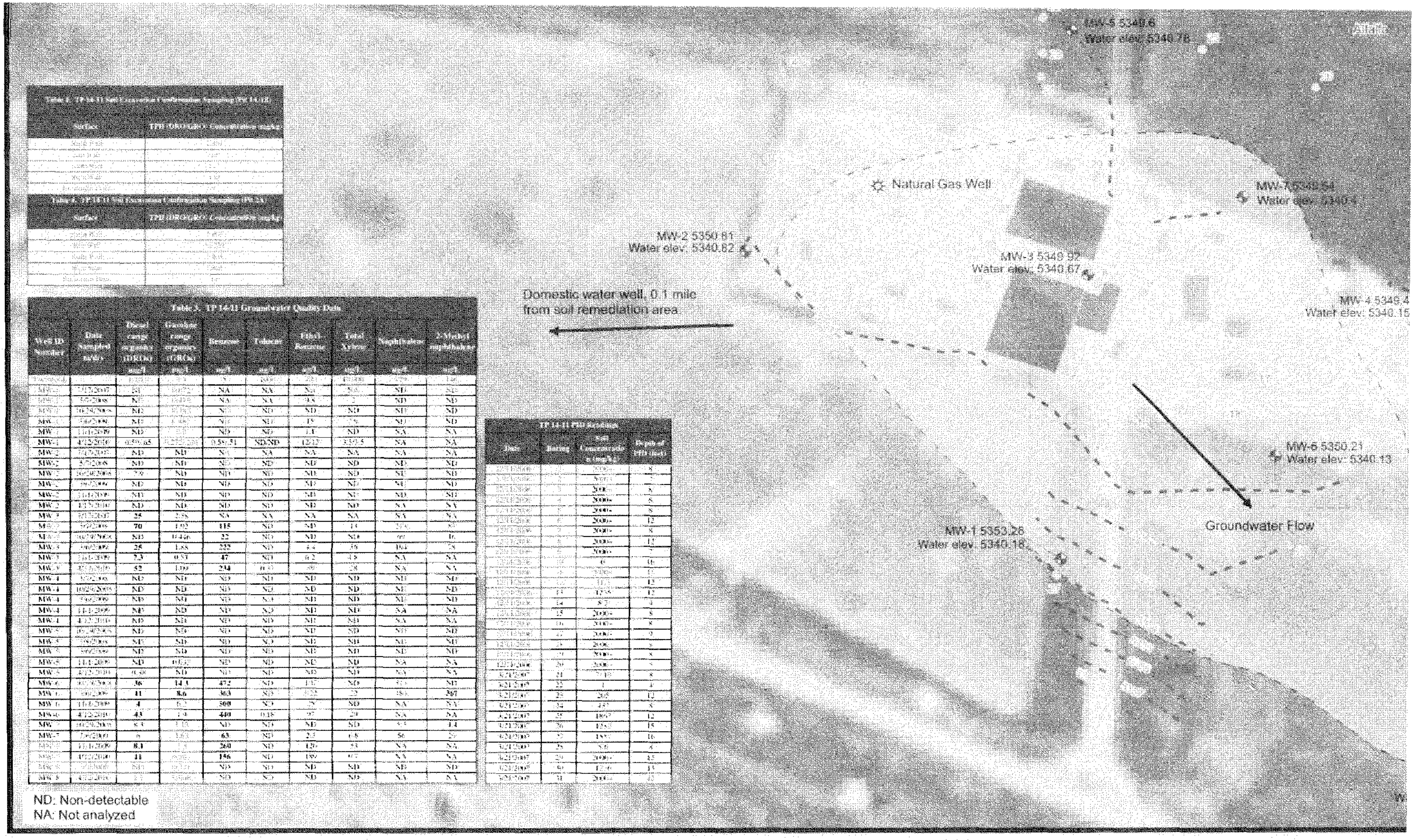
EPAPAV0057463



[illegible]

Surface	TPH (DRO/GRO) Concentration (mg/kg)
[illegible]	[illegible]

[illegible]

Surface	TPH (DRO/GRO) Concentration (mg/kg)
[illegible]	[illegible]

Table 3. TP 14-11 Groundwater Quality Data

Well ID Number	Date Sampled (m/d/y)	Diesel range organics (DROs) mg/l	Gasoline range organics (GROs) mg/l	Benzene ug/l	Toluene ug/l	Ethyl-Benzene ug/l	Total Xylene ug/l	Naphthalene ug/l	2-Methyl naphthalene ug/l
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MW-1	7/17/2007	ND	[illegible]	NA	NA	NA	NA	ND	ND
MW-1	5/7/2008	ND	[illegible]	NA	NA	9.8	2	ND	ND
MW-1	10/29/2008	ND	[illegible]	ND	ND	ND	ND	ND	ND
MW-1	[illegible]	ND	[illegible]	ND	ND	15	[illegible]	ND	ND
MW-1	11/4/2009	ND	[illegible]	ND	ND	1.1	ND	NA	NA
MW-1	4/22/2010	0.59/0.65	[illegible]	0.59/0.51	ND/ND	12/12	3.5/3.5	NA	NA
MW-2	7/17/2007	ND	ND	NA	NA	NA	NA	NA	NA
MW-2	5/7/2008	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	10/29/2008	2.9	ND	ND	ND	ND	ND	ND	ND
MW-2	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	11/4/2009	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	4/22/2010	ND	ND	ND	ND	ND	ND	NA	NA
MW-3	7/17/2007	25	2.58	NA	NA	NA	NA	NA	NA
MW-3	[illegible]	70	1.92	115	ND	ND	14	[illegible]	[illegible]
MW-3	10/29/2008	ND	0.446	22	ND	ND	ND	[illegible]	16
MW-3	[illegible]	25	1.88	222	ND	4.4	35	104	28
MW-3	11/4/2009	2.3	0.57	47	ND	6.2	4.5	NA	NA
MW-3	4/22/2010	52	1.09	234	0.52	[illegible]	28	NA	NA
MW-4	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	10/29/2008	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	11/4/2009	ND	ND	ND	ND	ND	ND	NA	NA
MW-4	4/22/2010	ND	ND	ND	ND	ND	ND	NA	NA
MW-5	10/29/2008	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	[illegible]	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	11/4/2009	ND	[illegible]	ND	ND	ND	ND	NA	NA
MW-5	4/22/2010	[illegible]	ND	ND	ND	ND	ND	NA	NA
MW-6	10/29/2008	36	14.1	472	ND	137	ND	[illegible]	ND
MW-6	[illegible]	11	8.6	363	ND	[illegible]	22	[illegible]	267
MW-6	11/4/2009	4	6.2	300	ND	29	ND	NA	NA
MW-6	4/22/2010	43	1.9	440	0.18	97	29	NA	NA
MW-7	10/29/2008	8.3	[illegible]	ND	ND	ND	ND	[illegible]	14
MW-7	[illegible]	6	3.63	63	ND	23	6.8	56	29
MW-7	11/4/2009	8.1	[illegible]	260	ND	120	53	NA	NA
MW-7	4/22/2010	11	[illegible]	156	ND	189	67	NA	NA
MW-8	[illegible]	ND	[illegible]	ND	ND	ND	ND	ND	ND
MW-8	4/22/2010	[illegible]	[illegible]	ND	ND	ND	ND	NA	NA

ND: Non-detectable
NA: Not analyzed

TP 14-11 PID Readings

Date	Boring	Soil Concentration (mg/kg)	Depth of PID (feet)
[illegible]	[illegible]	[illegible]	8
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	2000+	8
[illegible]	4	2000+	8
[illegible]	[illegible]	2000+	8
[illegible]	6	2000+	12
[illegible]	[illegible]	2000+	8
[illegible]	8	2000+	12
[illegible]	[illegible]	2000+	7
[illegible]	[illegible]	0	16
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	12
[illegible]	13	[illegible]	12
[illegible]	14	[illegible]	4
[illegible]	15	2000+	8
[illegible]	16	2000+	8
[illegible]	[illegible]	2000+	9
[illegible]	[illegible]	2000+	8
[illegible]	[illegible]	2000+	8
[illegible]	20	2000+	[illegible]
3/21/2007	21	[illegible]	8
3/21/2007	22	1	4
3/21/2007	23	205	12
3/21/2007	24	[illegible]	8
3/21/2007	25	[illegible]	12
3/21/2007	26	[illegible]	15
3/21/2007	[illegible]	[illegible]	16
3/21/2007	28	[illegible]	4
3/21/2007	29	2000+	13
3/21/2007	[illegible]	[illegible]	13
3/21/2007	31	2000+	[illegible]

Monitoring Wells
Boring
Gas Well
Topographic Contour
Separator
Test Trench
Soil Remediation Area
Estimated Benzene Groundwater Plume

Source

PROJECT NO.	1972
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