

TO: Eric Sandin, GEF II, Geo/8

Groundwater Use Registry Buckslip

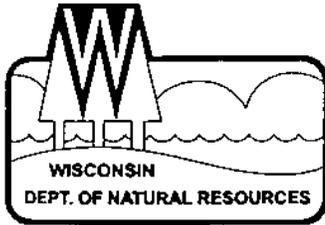
Site Name WILDES OIL
Address 119 South FOSTER STREET
MERRILL, WI 54452
BRRTS # 03-35-110642
GPS Location: _____ latitude _____ longitude _____
Date of Closure Decision 06/02/00

Required

- Closure Letter
- Deeds for all properties with ES exceedance in Groundwater (RECORDED GWR)
- GPS location (latitude and longitude)
- Location map
- Detailed Site Map
- Groundwater Flow Direction Diagram including location of monitoring wells and all drinking water wells
- Latest Groundwater Plume Map with Groundwater Flow Direction N/A
- Latest Table of Analytical Results for Groundwater

If Available, include the following:

- Metes and Bounds Legal Description (on GWR document)
- Tax Parcel Number ad Decd #34.006.000.335.01.00
- Geologic cross sections showing soil and groundwater contaminant source extent and location, isoconcentrations for all groundwater contaminants that exceed NR 140 enforcement standards, water table and piezometric elevations, and the extent, location and elevation of geologic units, bedrock, and confining unites



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William H. Smith, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-0818
Telephone 715-365-8900
FAX 715-365-8932
TDD 715-365-8957

June 2, 2000

Mr. John Esser
Wildes Oil Co
119 S Foster
Merrill, WI 54452

Subject: Wildes Oil Co, 119 S Foster St, Merrill, WI BRRTS # 03-35-110642

Dear Mr. Esser:

The above-referenced site has been reviewed for closure by the Northern Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On December 10, 1999, you were notified that the Closure Committee had granted conditional closure to this case.

On May 31, 2000, the Department received correspondence indicating that you have complied with the conditions of closure, specifically the recording of a Groundwater Use Restriction. Based on the correspondence and the data provided, it appears that your site has been remediation to Department standards in accordance with NR 726.05, Wis Adm Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

However, please be aware that this case may be reopened pursuant to NR 726.09, Wis Adm Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-365-8990.

Sincerely,
NORTHERN REGION


Janet Kazda
Program Assistant

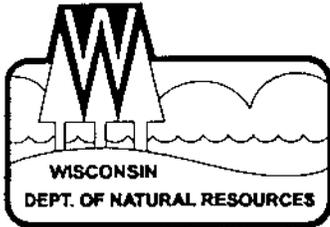
→ c: File

Tod Roush
Maxim Technologies
555 S 72nd Ave
Wausau, WI 54401



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Through Excellent Customer Service





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-0818
Telephone 715-365-8900
FAX 715-365-8932
TDD 715-365-8957

December 10, 1999

Mr. John Esser
119 S Foster St
Merrill, WI 54452

Subject: Wildes Oil, 119 S Foster St, Merrill, WI BRRTS # 03-35-110642

Dear Mr. Esser:

The Department of Natural Resources provided a notice to you that the degree and extent of gasoline and diesel fuel contamination at the above-named site was required to be investigated and remediated. We have since been informed that the required investigation and remediation has been accomplished.

On December 6, 1999, the above-named site was reviewed by the Northern Region Closeout Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code.

Based on the investigative and remedial documentation provided to the Department, it appears that the gasoline and diesel fuel contamination at the above-named site has been remediated to the extent practicable under current site conditions, and that no further action is necessary at this time. Therefore, the Department will consider the case "closed," pursuant to NR 726.05(8)(am), if the responsible party sign and record a Groundwater Use Restriction for the property.

Enclosed is an example of a Groundwater Use Restriction. Please draft a specific Groundwater Use Restriction for this site and submit the draft to me. Department of Natural Resources attorneys will review the draft and return it to you with revisions. After you have made the revisions, you should sign and record the restriction with the County Register of Deeds. To document that this condition has been complied with, the responsible party must submit to the Department a copy of the recorded Groundwater Use Restriction, with the recording information stamped on it, within 15 days after the Register of Deeds returns the Groundwater Use Restriction to the responsible party. The Groundwater Use Restriction may be amended in the future with the approval of DNR if conditions change at the site and the residual contamination is remediated.

The groundwater use restriction is an option that the Department can offer to you in order to close this site. If you choose not to accept this option, you may perform additional investigation and cleanup of the remaining contamination. Note that this additional work may not be eligible for reimbursement through the Petroleum Environmental Cleanup Fund Award (PECFA) Program. You should contact the Department of Commerce to determine eligibility of the additional work for reimbursement.

Please note that this case closure is contingent upon proper documentation of proper abandonment of the monitoring wells on site. If monitoring wells remain at this site, please provide the documentation that this action has been completed, or have your consultant do so. Please complete Form 3300-5B and send it to my



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attention at the above address.

If you have any additional information which was not formerly provided to the Department, and which you feel would significantly impact this closure decision, you may submit that information for our re-evaluation of case closure.

If you have any questions, please call me at 715-365-8990.

Sincerely,
NORTHERN REGION



Janet Kazda
Case Closeout Committee

⇒ cc: File
Lori Huntoon, Dept of Commerce
Steve Karklins, DG/2
Chuck Fitzgerald, Rhinelander
Ron Becker, Rhinelander
Bill Schultz, Rhinelander

Tod Roush
Maxim Technologies
555 S 72nd Ave
Wausau, WI 54401

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

If contaminated soil that remains on the property is excavated in the future, it will have to be sampled and analyzed and the treatment or disposal of the soil as a solid or hazardous waste may be necessary.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by, the Wisconsin Department of Natural Resources, its successors and assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that the restrictions set forth in this covenant are no longer required. Upon receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this groundwater restriction is no longer binding.

WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 26th day of May, 2000.

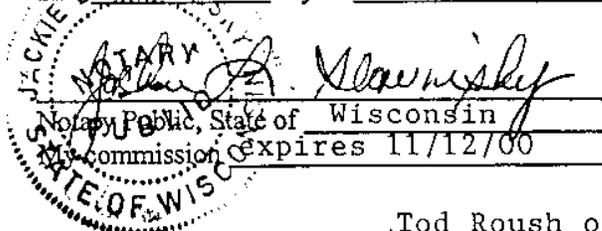
Signature:

Printed Name:

John Esser

Subscribed and sworn to before me

This 26th day of May, 2000.



Tod Roush of

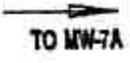
This document was drafted by Maxim Technologies based on comments from the Wisconsin Department of Natural Resources.



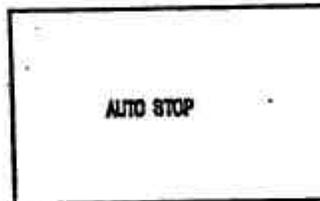
MW-6A
□

MW-2A
□

MW-3A
□



MW-5A
□



AUTO STOP



AUTO STOP
TANK AREA

MW-4A
□

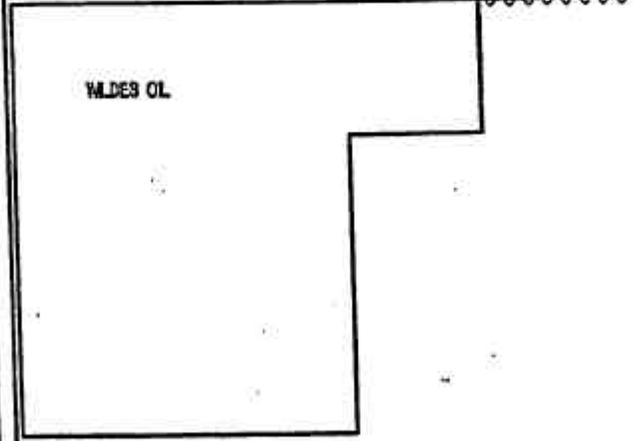
MW-1A
□

LOT 642

MW-1
◆

benzene 16ppb
naphthalene 109ppb

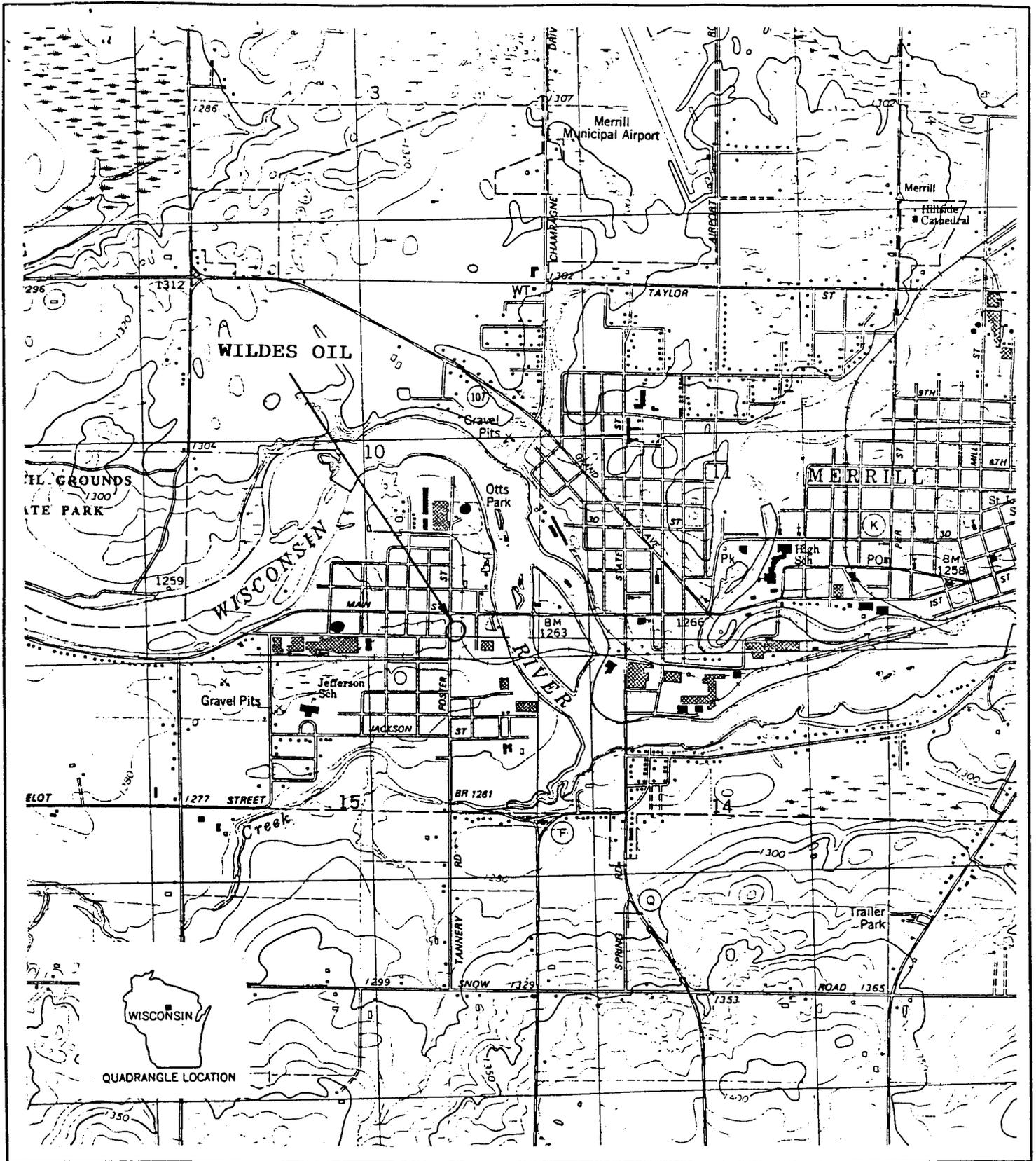
6 FOSTER STREET



WILDES OIL

MAXIM TECHNOLOGIES

WILDES OIL



MAXIM
TECHNOLOGIES, INC.

Site Vicinity Map
Wildes Oil
Merrill, Wisconsin

DATE	FIGURE : 1
PROJECT # 9719667	
DRAWN BY: USGS	
REVIEWED BY:	
SCALE: 1:24000	

FIGURE 3

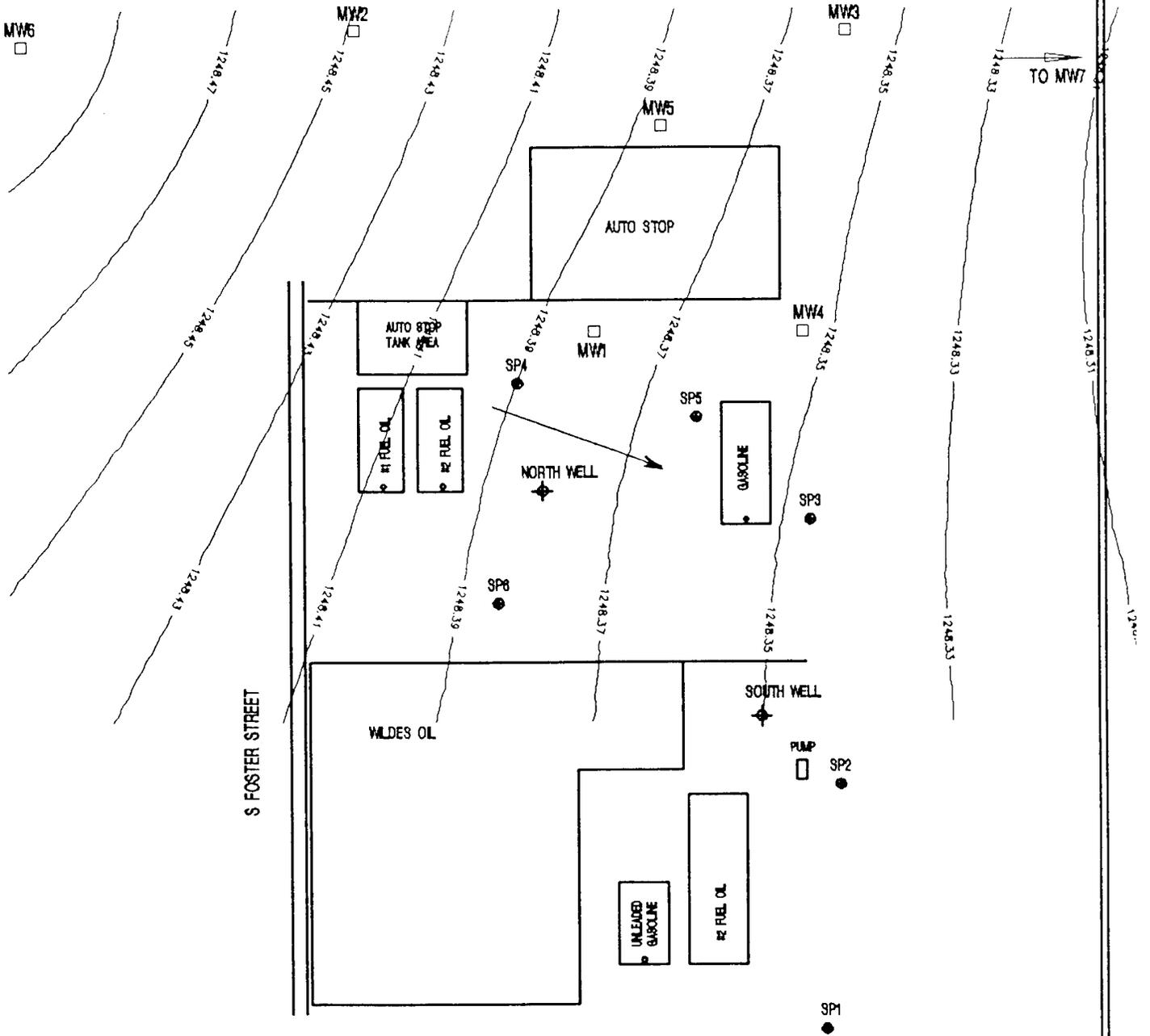


FIGURE 4

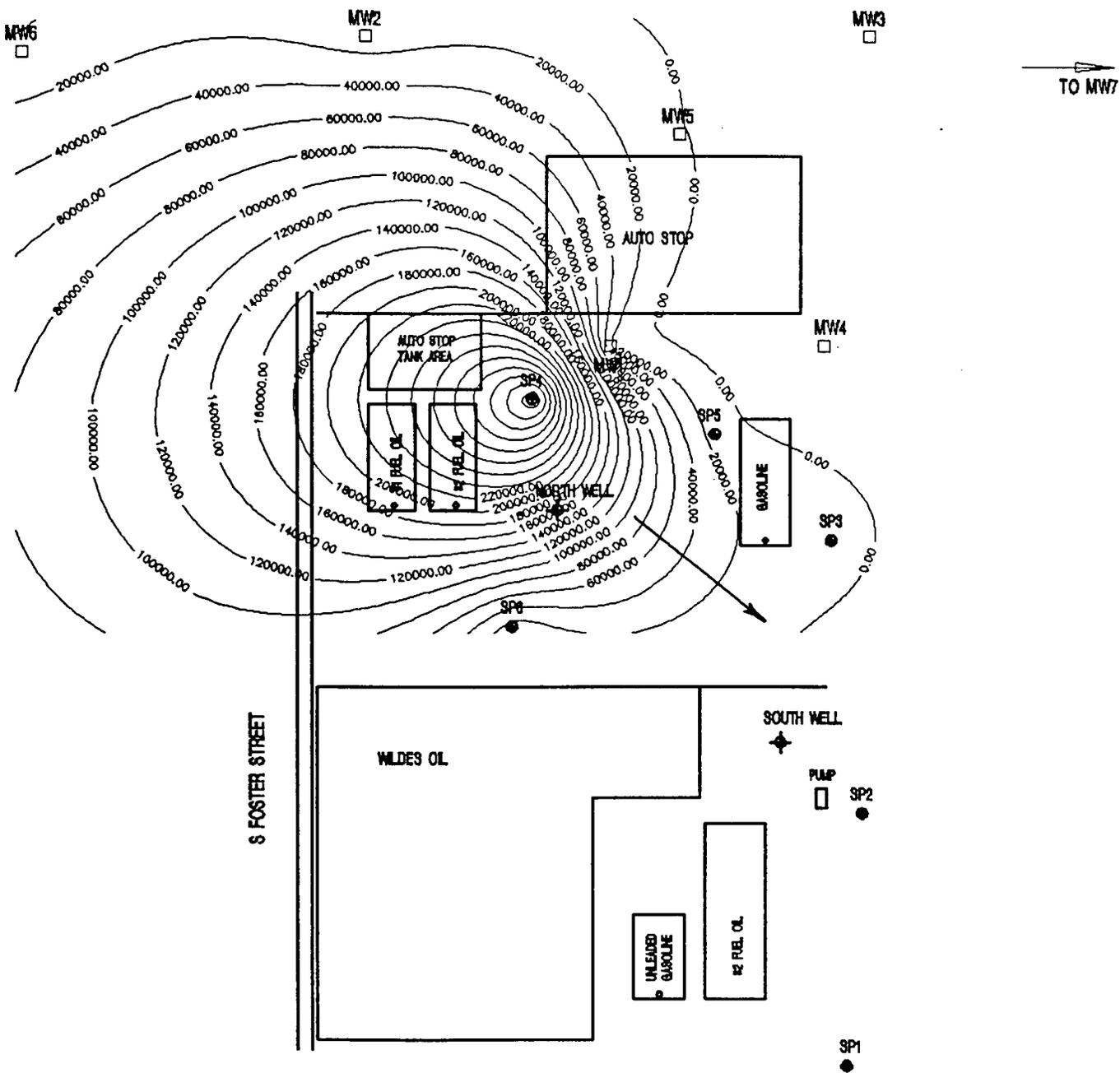
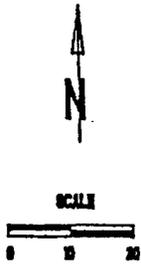


FIGURE 3



W. MAIN STREET

MW-6A

MW-2A

MW-3A

MW-8A

03-35-000 816
AUTO STOP

TO MW-7A

AUTO STOP
GASOLINE
TANK AREA

MW-4A

PROPERTY LINE

MW-1A

SP-1

SP-2

MW-1

1248.58

SP-3

MW-3

1247.76

6 FOSTER STREET

SP-4

1248.5

SP-4

1248.0

WILDES OIL

MW-2

1248.35

SP-2

MAXIM TECHNOLOGIES

WILDES OIL

SITE DIAGRAM
W/WATERTABLE CONTOURS

6/17/99

MW-4

1248.19

SP-1

TABLE 4
GROUNDWATER CHEMISTRY - PVOC
WILDES OIL
MERRILL, WISCONSIN
MAXIM #9719667

PARAMETER	MW-1				MW-2				
	DATE	8/5/97	12/10/97	12/28/98	6/17/99	8/5/97	12/10/97	12/28/98	6/17/99
Benzene	60.4	23.9	12.8	16.0	ND	ND	ND	ND	0.627
Ethylbenzene	68.5	54.1	54.7	37.3	1.27	ND	ND	ND	0.737
Methyl tert Butyl Ether	1.39	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trimethylbenzene	163.0	140.1	451	164	46.3	48.56	18.77	97.3	
Total Xylene	64.3	30.6	92.3	47.4	1.06	1.1	ND	1.277	

Units are in µg/L, which is equivalent to parts-per-billion (ppb).
 Shaded areas indicate Enforcement Standard (ES) exceedances.
 8/5/97 analyzed as VOC
 -- only PVOCs and detected NR141.1 compounds recorded

TABLE 4 (CONTINUED)
GROUNDWATER CHEMISTRY - PAH
WILDES OIL
MERRILL, WISCONSIN
MAXIM #9719667

PARAMETER	MW-1					MW-2				
	DATE	8/5/97	12/10/97	12/28/98	6/17/99	8/5/97	12/10/97	12/28/98	6/17/99	
Acenaphthene		ND	ND	ND	ND	ND	ND	1.90	5.74	
Acenaphthylene		ND	ND	ND	ND	ND	ND	ND	ND	
Anthracene		ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)Anthracene		ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)Pyrene		ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(b)Fluoranthene		ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(k)Fluoranthene		ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(ghi)Perylene		ND	ND	ND	ND	ND	ND	ND	ND	
Chrysene		ND	ND	ND	ND	ND	ND	ND	ND	
Dibenz(a,h)Anthracene		ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene		ND	ND	ND	ND	ND	ND	ND	1.86	
Fluorene		2.14	5.34	27.3	8.87	6.71	6.0	3.64	5.38	
Indeno(1,2,3-cd)Pyrene		ND	0.073	ND	ND	ND	ND	ND	ND	
1-Methyl Naphthalene		89.8	98.2	2.68	108	157.0	41.3	14.2	41.6	
2-Methyl Naphthalene		70.4	79.1	340	107	97.0	37.9	7.95	13.4	
Naphthalene		95.4	62.5	130	109	1.97	1.94	ND	1.83	
Phenanthrene		ND	ND	ND	2.79	ND	4.67	ND	1.57	
Pyrene		ND	ND	ND	ND	ND	ND	ND	ND	

X - Analyzed but below LOD

Units are parts-per-billion (ppb)

Shaded areas indicate Enforcement Standard (ES) exceedances.

TABLE 4 (CONTINUED)
GROUNDWATER CHEMISTRY - PAH
WILDES OIL
MERRILL, WISCONSIN
MAXIM #9719667

PARAMETER	MW-3					MW-4			
	DATE	8/5/97	12/10/97	12/28/97	6/17/99	8/5/97	12/10/97	12/28/98	6/17/99
Acenaphthene		ND	ND	ND	ND	ND	ND	1.90	0.391
Acenaphthylene		ND	ND	ND	ND	ND	ND	ND	ND
Anthracene		ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)Anthracene		ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)Pyrene		ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)Fluoranthene		ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)Fluoranthene		ND	ND	0.036	ND	ND	ND	ND	ND
Benzo(ghi)Perylene		0.150	ND	ND	ND	ND	ND	ND	ND
Chrysene		ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)Anthracene		ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene		ND	ND	ND	ND	ND	ND	ND	ND
Fluorene		ND	ND	ND	ND	1.96	ND	ND	0.257
Indeno(1,2,3-cd)Pyrene		0.076	ND	ND	ND	ND	ND	ND	ND
1-Methyl Naphthalene		ND	ND	0.77	ND	2.28	ND	0.262	2.96
2-Methyl Naphthalene		ND	ND	0.103	ND	3.54	ND	0.336	0.487
Naphthalene		ND	ND	ND	ND	ND	ND	ND	1.44
Phenanthrene		ND	ND	ND	ND	ND	ND	ND	ND
Pyrene		ND	ND	ND	ND	ND	ND	ND	ND

X - Analyzed but below LOD
Units are parts-per-billion (ppb)

TABLE 4 (CONTINUED)
GROUNDWATER CHEMISTRY - PVOC
WILDES OIL
MERRILL, WISCONSIN
MAXIM #9719667

PARAMETER	MW-3					MW-4			
	DATE	8/5/97	12/10/97	12/28/98	6/17/99	8/5/97	12/10/97	12/28/98	6/17/99
Benzene	ND	ND	ND	ND	ND	4.70	ND	ND	1.74
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	1.11
Methyl tert Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	0.579
Total Xylene	ND	ND	ND	ND	ND	ND	ND	ND	0.622

Units are in µg/L, which is equivalent to parts-per-billion (ppb).

Shaded areas indicate Enforcement Standard (ES) exceedances.

8/5/97 analyzed as VOC

-- only PVOCs and detected NR141.1 compounds recorded

TABLE 5
TANK REMOVAL SOIL CHEMISTRY (mg/kg)
WILDES OIL
MERRILL, WISCONSIN
MAXIM #9719667

DATE	Gasoline Range Organics (GROs)	Diesel Range Organics (DROs)
#2 Fuel Oil (D1)		
9/15/98		
North	20	55
South	350	1900
#1 Fuel Oil (D-2)		
North	24	48
South	100	210
20,000 Gal Fuel Oil (20K)		
North	2.6	13
Center	30	120
South	6.0	5.2
Gasoline (Gas)		
North	ND	3.9
South	2.2	12
Gasoline (10K)		
North	1.1	24
South	ND	24

TABLE 6
 NATURAL ATTENUATION PARAMETERS
 WILDES OIL
 MERRILL, WISCONSIN
 MAXIM #9719667

Well Number	MW-1 6/17/99	MW-2 6/17/99	MW-3 6/17/99	MW-4 6/17/99
Date				
Dissolved Oxygen (mg/L)	1.19	0.96	1.09	1.89
Redox (mV)	<-100	-70	-50	-10
Conductivity (µS)	550	100	250	390
Ferrous Iron, Fe ⁺² (mg/L)	7.0	6.5	0.2	0.2
Temperature (C°)	10.6	10.1	9.1	9.5
pH	6.36	6.54	6.43	6.4