

4-It™ brand fax transmittal memo 7671 # of pages 5

To	Mark Kopitz	From	Tom Below
Co.	MPCA	Co.	EnecoTech
Dept.	Tanks & Spills	Phone #	(612) 854-5513
Fax #		Fax #	

EnecoTech Midwest, Inc  
3050 Metro Drive • Suit  
Bloomington, Minnesot.  
(612) 854-5513 • Fax (6



LETTER OF TRANSMITTAL

TO: MPCA DATE: 1/21/93  
 JOB NO: 711-017  
 JOB TITLE: Smclair - Richfield

ATTN: Mark Kopitz

Gentlemen,

We are sending you the following items:

**MPCA LEAK # 2572**

- attached  under separate cover via \_\_\_\_\_
- reproductions  originals  specifications
- copy of letter  samples \_\_\_\_\_

<u>Copies</u>	<u>Description</u>	<u>Date</u>	<u>No.</u>
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0	Copies of Well abandonment forms as requested in September 1992 closure letter. A copy of each form has also been submitted to the MSH.		
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These are transmitted:

- for approval  as requested
- reviewed  for your use
- for review and comment  for your records
- after loan to us \_\_\_\_\_

Remarks

Mark,

Please find enclosed the well abandonment forms for the 4 monitoring wells located at 7733 Portland Ave So., Richfield, MN.  
 Please contact me w/ any other questions or comments.

Copy to: 711-017 outgoing

By: TRB

Thank you,  
Tom Below

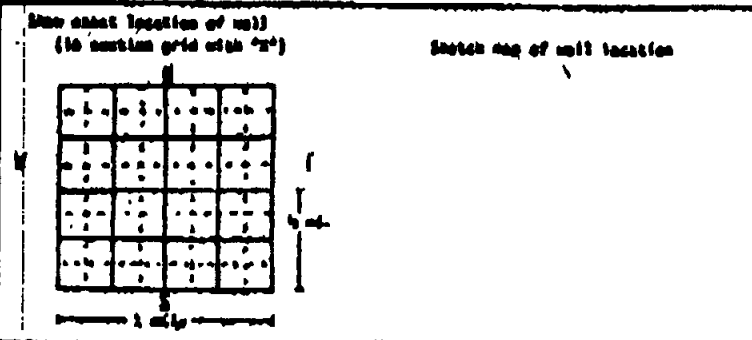
Township Name 28N	Township Range 24W	Section No. 34	Fraction SE SE SE
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Well Depth (completed) 43' ft.	Date sealed 9-28-92
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1. Historical Street Address and City of Well Location or Distance from Road Intersection  
**7733 PORTLAND AVE., RICHFIELD, MN**

2. DRILLING METHOD (if known)

Cable Tool    Reverse    Drive 1/2" Dig  
 Hollow Rod    Air    Core 1/2" \_\_\_\_\_  
 Rotary    Jetted    Power Auger



4. OBSTRUCTIONS

Well obstructed  Yes  No  
Obstructions removed  Yes  No   If obstructions cannot be removed, contact RMI before sealing.

5. PROPERTY OWNER'S NAME  
**SINCLAIR MARKETING**

Mailing Address if different than property address indicated above  
**P.O. BOX 6247  
KANSAS CITY, KS 66106**

7. Use

Domestic    Monitoring    Heat Loop  
 Irrigation    Public    Industry  
 Test Well    Municipal    Commercial  
 Air Conditioning 1/2" \_\_\_\_\_

6. FORMATION LOG

FORMATION LOG	COLOR	THICKNESS OF FORMATION	FROM	TO
ASPHALT			0	6"
FINE BRN SAND			6"	35'
MED/COURSE BRN SAND			35	43

8. CASING(S)

Black    Threaded    \_\_\_\_\_  
 Galv.    Unidid  
 Plastic    Stainless Steel  
\_\_\_\_\_ 2" in. to \_\_\_\_\_ ft.  
\_\_\_\_\_ in. to \_\_\_\_\_ ft.

ASPHALT			0	6"
FINE BRN SAND			6"	35'
MED/COURSE BRN SAND			35	43

9. SCREEN

Screened well from 33' to 43' ft. (if known)  
 Open Hole from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

10. REMARKS, ELEVATION, SOURCE OF DATA - CASINGS REMOVED, CASING PERFORATED, ETC.

OFFICIAL ABANDONED WELL RECORD (may be used for Property Transfer)  
REQUIREMENT: FILE WITH AGENCIES

10. STATIC WATER LEVEL

35.6" ft.  below    above  
land surface   Date Measured 9-28-92

11. WELLHEAD COMPLETION

Pileless Adapter    Flared Header  
 Basement offset    12" ABOVE GROUND  
 Well Pit    MONITORING WELL

12. GROUTING INFORMATION

Best Cement    Bentonite  
Grout material: NEAT CEM. from 0' to 43' ft. or, yes

13. NEAREST SOURCE OF CONTAMINATION

\_\_\_\_\_ feet   direction   UNKNOWN   type  
Well obstructed before sealing?  NO

14. PUMP

Removed    Not Present

Type:  Submersible    L.S. Turbine    Reciprocating  
 Jet    Centrifugal    \_\_\_\_\_

15. EXISTING WELLS (Please sketch locations of abandoned and active wells in remarks section or on sheet.)

Other unused well(s) on property?  Yes    No  
Abandoned:  Permanent    Temporary    Not sealed

17. WATER WELL CONTRACTORS CERTIFICATION

This well was sealed in accordance with jurisdiction and this report is true to the best of my knowledge and belief.

**THEIN WELL COMPANY, INC. 34050**  
Licensed Business Name   License No. 56288  
**SPICER, MINNESOTA**  
Address \_\_\_\_\_  
Signed: *[Signature]*   Date: 9-28-92  
**MIKE THEIN**   Date: 10-7-92  
Name of Driller

ABANDONED WELL RECORD

MINNESOTA UNIQUE WELL NO. **478120**  
(Leave blank if not known)

1. LOCATION OF WELL

County Name **HENNEPIN**

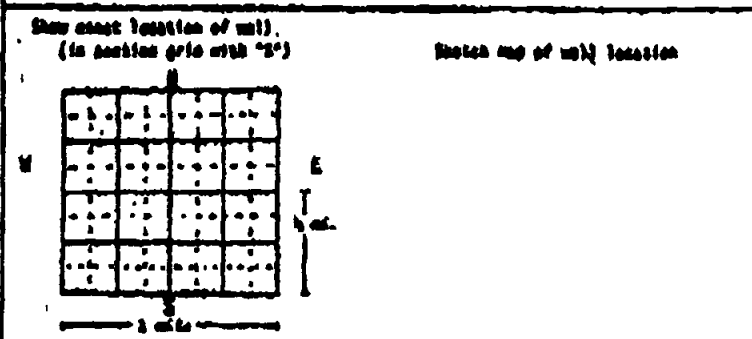
Township Name	Township Number	Range Number	Section No.	Fraction
	<b>28N</b>	<b>24W</b>	<b>34</b>	<b>SE SE SE</b>

4. WELL DEPTH (completed) **39'** ft. Date sealed **9-28-92**

Numerical Street Address and City of Well Location or Distance from Road Intersection  
**7733 PORTLAND AVE., RICHFIELD, MN**

5. DRILLING METHOD (if known)

Cable tool  Reverse  Drive 10' Dig  
 Miller Rod  Air  Sored 10' \_\_\_\_\_  
 Rotary  Jacked  Power Auger



6. OBSTRUCTIONS

Well obstructed  Yes  No  
 Obstructions removed  Yes  No If obstructions cannot be removed, contact MN **before** sealing.

7. USE

Domestic  Monitoring  Heat Loop  
 Irrigation  Public  Industry  
 Test Well  Municipal  Commercial  
 Air conditioning L: \_\_\_\_\_

2. PROPERTY OWNER'S NAME **SINCLAIR MARKETING**

Mailing Address if different than property address indicated above  
**P.O. BOX 6247  
 KANSAS CITY, KS 66106**

8. CASING(S)

Black  Threaded  \_\_\_\_\_  
 Galv.  Galv.  \_\_\_\_\_  
 Plastic  Stainless Steel  
**2"** to **29** ft.  
 to to \_\_\_\_\_ ft.

3. PENETRATION LOG

Penetration	Color	Hardness of Penetration	From	To
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If not known, indicate formation log from near well or nearby well.

ASPHALT			0	6"
DK BRN SANDY CLAY			6"	9'
MED GRAIN SAND			9	11
YELLOW SILTY SANDY CLAY			11	19
MED/FINE GRAIN BRN SAND			19	21
MED/FINE GRAIN BRN SAND			21	39

9. SCREEN

Screened well from **29** ft. to **39** ft. (if known)  
 Open hole from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

10. STATIC WATER LEVEL

**31'** ft.  below  above lead surface  
 Date Measured **9 28-92**

11. WELLHEAD COMPLETION

Piston Adapter  Ground Buried  
 Flange offset  **12" ABOVE GROUND**  
 Well Pit **MONITORING WELL**

12. REMARKS, FLUORINE, SOURCE OF DATA - CASING REMOVED, CASING REAPPLIED, ETC.

13. NEAREST SOURCE OF CONTAMINATION

\_\_\_\_\_ foot \_\_\_\_\_ direction **UNKNOWN** type  
 Well obstructed before sealing?  Yes

14. PUMP  Installed  Not Present  
 Type:  Submersible  L.S. Turbine  Axiprecutting  
 Jet  Centrifugal  \_\_\_\_\_

15. EXISTING WELLS (Please check locations of abandoned and active wells to remove section or on back.)  
 Other unused well(s) on property  Yes  No  
 Abandoned:  Permanent  Temporary  Not sealed

17. WATER WELL CONTRACTORS CERTIFICATION  
 This well was sealed under my jurisdiction and this report is true to the best of my knowledge and belief.

**THEIN WELL COMPANY, INC. 34050**  
 Licensed Business Name  
**SPICER, MINNESOTA 56288**  
 Address  
 Signed **Mike Thein** Date **10-7-92**  
**MIKE THEIN** Date **10-7-92**  
 Name of Driller

ABANDONED WELL RECORD

**1. LOCATION OF WELL**  
 County Name **MINNEAPOLIS**

**MINNESOTA UNIQUE WELL NO.** **475681**  
 (Leave blank if not known)

Township Name	Township Number	Range Number	Section No.	Fraction	6. WELL DEPTH (completed)	Date sealed
	<b>28N</b>	<b>24W</b>	<b>34</b>	<b>SE SE SE</b>	<b>60'</b> ft.	<b>9-28-92</b>

**7733 PORTLAND AVE., RICHFIELD, MN**

8. DRILLING METHOD (if known)  
 Cable tool  Reverse  Driven  Aug  
 Hollow Rod  Air  Bored   
 Rotary  Jacked  Power Auger

9. OBTURATIONS  
 Well obstructed  Yes  No  
 Obstructions removed  Yes  No If obstructions cannot be removed, contact MNM before sealing.

7. USE  
 Domestic  Watering  Heat Loop  
 Irrigation  Public  Industry  
 Test Well  Geological  Commercial  
 Air Conditioning

2. PROPERTY OWNER'S NAME  
**SINCLAIR MARKETING**  
 Billing Address if different than property address indicated above  
**P.O. BOX 6247 KANSAS CITY, KS 66106**

3. POSITION LOG  
 If not known, indicate formation log from near well or nearby well.

FORMATION LOG	THICKNESS OF FORMATION	FROM	TO
ASPHALT		0	5"
BRN SILTY SAND/CLAY		6"	4'
DK BRN SILTY SAND		4	8
MED/BRN SAND		8	18
LT BRN MED SAND		18	24
FINE BRN SAND		24	26
FINE GRAY SAND		26	33
MED/COURSE BRN SAND		33	42
COURSE GRAVEL		42	44
MED/COURSE SAND		44	55
GRAY SILTY CLAY		55	60

10. STATIC WATER LEVEL  
 33 ft.  below  above land surface Date Measured **9-28-92**

11. WELLSIDE COMPLETION  
 Pileless Adapter  Found Buried  
 Basement offset  12" ABOVE GROUND  
 Well Pit  MONITORING WELL

12. SECURITY INFORMATION  
 None Known  Suspicious   
 Great material **NEAT CEM.** / from **0** to **60** ft. cu. yds.

13. NEAREST SOURCES OF CONTAMINATION  
 feet \_\_\_\_\_ direction **UNKNOWN** type \_\_\_\_\_  
 Well dewatered before sealing?  YES

14. PUMP  Known  Not Present  
 Type:  Submersible  L.S. Turbine  Reciprocating  
 Jet  Centrifugal

15. EXISTING WELLS (Please sketch locations of abandoned and active wells to remarks section or on back.)  
 Other unused well(s) on property?  Yes  No  
 Abandoned:  Permanent  Temporary  Not sealed

17. WATER WELL CONTRACTOR'S CERTIFICATION  
 This well was sealed under my jurisdiction and this report is true to the best of my knowledge and belief.  
**THEIN WELL COMPANY, INC. 34050**  
 License No. **MINNESOTA 56288**  
 Address \_\_\_\_\_  
 Signer **MIKE THEIN** Date **10-7-92**  
 Name of Driller \_\_\_\_\_ Date **10-7-92**

OFFICIAL ABANDONED WELL RECORD (May be used for Property Transfer)  
 MINNEAPOLIS: 622-5276 DDD

ABANDONED WELL RECORD

MINNESOTA UNIQUE WELL NO. **475680**  
(Issue blank if not sealed)

**1. LOCATION OF WELL**  
County Name **HENNEPIN**

Township Name \_\_\_\_\_ Township Number **28N** Range Number **24W** Section No. **34** Fraction **SE SE SE**

4. WELL DEPTH (completed) **39'** Date sealed **9-28-92**

5. DRILLING METHOD (if known)  
 Cable Tool  Reverse  Driven  Aug  
 Hollow Rod  Air  Core  \_\_\_\_\_  
 Rotary  Jetted  Power Auger

6. OBSTRUCTIONS  
 Well obstructed  Yes  No  
 Obstructions removed  Yes  No If obstructions cannot be removed, contact RMI before sealing.

7. USE  
 Domestic  Irrigating  Heat Loop  
 Irrigation  Public  Industry  
 Test Well  Municipal  Commercial  
 Air Conditioning  \_\_\_\_\_

8. PROPERTY OWNER'S NAME **SINCLAIR MARKETING** Billing Address (if different than property address indicated above) **P.O. BOX 6247 KANSAS CITY, KS 66106**

9. CASING(S)  
 Black  Threaded  \_\_\_\_\_  
 Galv.  Mild  
 Plastic  Stainless Steel  
 \_\_\_\_\_ 2" to \_\_\_\_\_ 29" ft.  
 \_\_\_\_\_ to \_\_\_\_\_ ft.

10. STATIC WATER LEVEL  
 \_\_\_\_\_ 31' ft.  below  above  
 land surface Date Measured **9-28-92**

11. WELLHEAD COMPLETION  
 Pillock Adapter  Flange Header  
 Backcut offset  12" ABOVE GROUND  
 Well Pit **MONITORING WELL**

12. GRouting INFORMATION  
 Best Cement  Bentonite  \_\_\_\_\_  
 Grout material **NEAT CEM.** from **0** to **39** ft. cu. yds \_\_\_\_\_

13. NEAREST SOURCES OF CONTAMINATION  
 \_\_\_\_\_ feet \_\_\_\_\_ direction **UNKNOWN** type  
 Well disinfected before sealing?  No

14. PUMP  Removed  Not Present  
 Type:  Scavenger  L.S. Turbine  Reciprocating  
 Jet  Centrifugal  \_\_\_\_\_

15. EXISTING WELLS (Please attach location of abandoned and active wells to remarks section or on back.)  
 Other unused well(s) on property?  Yes  No  
 Abandoned:  Permanent  Temporary  Not sealed

16. WATER WELL CONTRACTORS CERTIFICATION  
 This well was sealed under my jurisdiction and this report is true to the best of my knowledge and belief.  
**THEIN WELL COMPANY, INC. 34050**  
 License Number **MINNESOTA 56288**  
 Address \_\_\_\_\_  
 Signed **MIKE THEIN** Date **10-7-92**  
 Date **10-7-92**  
 Name of Driller

17. REMARKS, LOCATION, SOURCE OF DATA - CASING REMOVED, CASING REINFORCED, ETC.

18. REMARKS, LOCATION, SOURCE OF DATA - CASING REMOVED, CASING REINFORCED, ETC.

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