



Department of Energy
Ohio Field Office
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155



MAR 29 2004

Mr. James M. Raab
 Ohio Department of Natural Resources
 Division of Water
 Water Resources Section
 1939 Fountain Square
 Columbus, OH 43224-1386

DOE-0215-04

Dear Mr. Raab:

TRANSMITTAL OF WELL PLUGGING AND ABANDONMENT INFORMATION FOR 2003

- References:
- 1) Letter, J. Raab to K. Nickel, dated March 4, 1996
 - 2) Letter, J. Saric to J. Reising, "Well Abandonment," dated June 28, 1996
 - 3) Letter, T. Schneider to J. Reising, "DOE FEMP MSL 531-0297 Hamilton County Approval: Well Abandonment Letter," dated May 30, 1996

This letter transmits monitoring well plugging and abandonment information for the Ohio Department of Natural Resources (ODNR). The enclosed plugging and abandonment information has been prepared based on correspondence (Reference 1) and subsequent follow-up conversations with Mr. James Raab of the ODNR. The information fulfills Ohio Revised Code 1521.05(B) requirements for submittal of well abandonment documentation information for monitoring wells abandoned at the Fernald Closure Project during 2003. Abandonment methods were chosen based on previously approved well-specific abandonment methods (References 2 and 3).

The 22 wells abandoned during this period were selected for abandonment based on their location with respect to excavation activities, wells whose integrity may be compromised and wells that are no longer needed. A careful review was performed for each well scheduled for abandonment to evaluate any potential future use. Enclosure I includes a list of the abandoned wells and a summary of each abandonment method. Enclosure II includes a completed ODNR Water Well Sealing Report for the deepest well abandoned for each method abandoned during 2003.

Additional plugging and abandonment information will continue to be sent on an annual basis.

MAR 29 2004

Mr. James M. Raab

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DOE-0215-04

If you have any questions or comments concerning this matter, please contact Ed Skintik at (513) 648-3151.

Sincerely,



William J. Taylor
Director

FCP:Skintik

Enclosures: As stated

cc w/enclosures:

M. Proffitt, OEPA, Dayton
J. Saric, USEPA-V, SR-6J
T. Schneider, OEPA (total of 3 copies of enclosures)
R. Vandergrift, ODH
M. Cullerton, Tetra Tech
AR Coordinator, Fluor Fernald, Inc./MS78

cc w/o enclosures:

B. Everson, OH/FCP
K. Johnson, OH/FCP
W. Quaider, OH/FCP
J. Reising, OH/FCP
E. Skintik, OH/FCP
J. Chiou, Fluor Fernald, Inc./MS64
T. Hagen, Fluor Fernald, Inc./MS1
B. Hertel, Fluor Fernald, Inc./MS52-5
F. Johnston, Fluor Fernald, Inc./MS52-5
T. Poff, Fluor Fernald, Inc./MS65-2
M. Powell, Fluor Fernald, Inc./MS64
K. Voisard, Fluor Fernald, Inc./MS12
ECDC, Fluor Fernald, Inc./MS52-7

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WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES

0138430

Division of Water
1939 Fountain Square Drive
Columbus, Ohio 43224-1385
Voice: (614) 265-6739 Fax: (614) 265-6767

5403

Method 1

LOCATION

Circle One or Both
 County Hamilton Township Crosby Section/Lot Number 6
 Owner/Builder Dept. of Energy Fernald Closure Project
 Circle One or Both
 Address of Well Location 7400 Willey Rd.
 Number Street Name
 City Hamilton Zip Code +4 45013-9402
 Property Location Description on the N side of Willey Rd.
 n, e, s, w road name
 Location of Well in State Plane coordinates, if available N S X 11346486.35 +/- ft. or m Y 482286.46 +/- ft. or m
 Elevation of Well 582.90 +/- ft. or m Datum Plain: NAD27 NAD83
 Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number FCP # 4011 Copy attached? Yes or (No) (circle one)

MEASURED CONSTRUCTION DETAILS Date of measurements 4/9/03
 Depth of Well 182 ft Static Water Level 67 ft.
 Size of Casing 4 in. stainless steel Length of casing 172 ft.
 Well Condition Good except leaking joints

SEALING PROCEDURE Method of Placement Well casing removed. Borehole filled w/ sealing materials

Placement:	From	To	Sealing Material	Volume
	<u>0</u>	<u>3</u>	<u>Bentonite chips</u>	<u>1.5 ft³</u>
	<u>3</u>	<u>26</u>	<u>Quickgrout</u>	<u>2 ft³</u>
	<u>26</u>	<u>35</u>	<u>Bentonite chips</u>	<u>1 ft³</u>
	<u>35</u>	<u>70</u>	<u>sand</u>	<u>3 ft³</u>
	<u>70</u>	<u>182</u>	<u>natural collapse</u>	<u>N/A</u>

Was Casing Removed? (Yes) or No (circle one)
 Condition of Casing Good except improperly assembled riser joints.
 Perforations: From 170 ft To 180 ft
 From N/A To N/A
 Date Sealing Performed 5/7/03
 Reason(s) for Sealing Well no longer protective of aquifer

CONTRACTOR Name Moody's of Dayton ODH Registration # _____
 Address 4359 Infirmary Rd PO Box 509
 City/State/Zip Miamisburg, OH 45247
 Signature [Signature] Jonathan Walters FCP Geologist 000003
 I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES

0138428

5403

Division of Water
1939 Fountain Square Drive
Columbus, Ohio 43224-1385
Voice: (614) 265-6739 Fax: (614) 265-6767

Method 2

LOCATION

County Hamilton Township Crosby Section/Lot Number 6
Owner/Builder Dept. of Energy Fernald Closure Project
Address of Well Location 7400 Willey Rd.
Number Street Name

City Hamilton Zip Code +4 45013-9402
1 miles NW of Willey Rd. and S.R. 128
n, e, s, w nearest intersection

Property Location Description on the N side of Willey Rd.
n, e, s, w road name

Location of Well in State Plane coordinates, if available N S
x 1348050.37 +/- ft. or m y 479198.11 +/- ft. or m

Elevation of Well 572.00 +/- ft. or m Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number FCP # 2020 Copy attached? Yes or (No) (circle one)

MEASURED CONSTRUCTION DETAILS Date of measurements 1/6/03

Depth of Well 65 ft Static Water Level 61 ft
Size of Casing 4 in. PVC Length of casing 60 ft.
Well Condition Poor. Well was leaking at joints.

SEALING PROCEDURE

Method of Placement Well overdrilled to 40 ft. Materials placed as well was removed

Placement:	From	To	Sealing Material	Volume
	<u>0</u>	<u>5 ft</u>	<u>bentonite chips</u>	<u>2.5 ft³</u>
	<u>5 ft</u>	<u>22 ft</u>	<u>Quickgrout</u>	<u>120 gal</u>
	<u>22 ft</u>	<u>30 ft</u>	<u>Natural collapse</u>	<u>N/A</u>
	<u>30 ft</u>	<u>48 ft</u>	<u>Sand</u>	<u>5 ft³</u>
	<u>48 ft</u>	<u>65 ft</u>	<u>Natural collapse</u>	<u>N/A</u>

Was Casing Removed? (Yes) or No (circle one)

Condition of Casing Poor. Joints were leaking
Perforations: From 60 ft To 65 ft
From N/A To N/A

Date Sealing Performed 4/24/03
Reason(s) for Sealing Well was no longer protective of aquifer.

CONTRACTOR

Name Moody's of Dayton ODH Registration # _____
Address 4359 Infirmary Rd. PO Box 509
City/State/Zip Miamisburg, OH 45343

Signature [Signature] Jonathan Walters FCP Geologist 000004
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
1939 Fountain Square Drive
Columbus, Ohio 43224-1385
Voice: (614) 265-6739 Fax: (614) 265-6767

0138427

5403

Method 3

LOCATION

County Hamilton Township Crosby Section/Lot Number 6
Owner/Builder Department of Energy, Fernald Closure Project
Address of Well Location 7400 Willey Rd.
City Hamilton Zip Code +4 45013-9402
Property Location Description on the N side of Willey Rd.
Location of Well in State Plane coordinates, if available N S X 1135115119.116 +/- ft. or m Y 479789.54 +/- ft. or m
Elevation of Well 593.30 +/- ft. or m Datum Plain: NAD27 NAD83
Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number FCP# 4067 Copy attached? Yes or (No)

MEASURED CONSTRUCTION DETAILS Date of measurements 10-6-03
Depth of Well 211.7 ft. Static Water Level 81.6 ft.
Size of Casing 4 inch stainless steel Length of casing 222.7 ft. (includes stickup)
Well Condition Good

SEALING PROCEDURE Method of Placement Overdrill well casing to 50ft. Remove well casing. Place seal materials as augers are removed
Placement: From 4 * To 38 Sealing Material K-grout expansive cement Volume 240 gal
From 38 To 78 sand 11 ft³
From 78 To 220 natural collapse N/A
* 0-4' not filled due to excavation immediately after abandonment.
Was Casing Removed? (Yes) or No
Condition of Casing Good
Perforations: From 200 To 210 211.7
From N/A To N/A
Date Sealing Performed 12-31-03
Reason(s) for Sealing Well was located in On Site Disposal Facility footprint

CONTRACTOR Name Moody's of Dayton ODH Registration # 000005
Address 4359 Infirmary Rd. P.O. Box 509
City/State/Zip Miamisburg, OH 45343
Signature [Signature] Jonathan Walkers FCP Geologist

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
1939 Fountain Square Drive
Columbus, Ohio 43224-1385
Voice: (614) 265-6739 Fax: (614) 265-6767

0138426

510.3

Method 4

LOCATION

County Hamilton Township Crosby Section/Lot Number 6
Owner/Builder Dept. of Energy, Fernald Closure Project
Address of Well Location 7400 Willey Rd.
City Hamilton Zip Code +4 45013-9402
Property Location Description on the N side of Willey Rd.
Location of Well in State Plane coordinates, if available N S X 11346490.30 +/- ft. or m Y 482300.99 +/- ft. or m
Elevation of Well 582.80 +/- ft. or m Datum Plain: NAD27 NAD83
Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number FCP# 2011 Copy attached? Yes or (No)

MEASURED CONSTRUCTION DETAILS Date of measurements 4-9-03
Depth of Well 130 ft. Static Water Level 67.14
Size of Casing 6 inch carbon steel Length of casing 132 ft
Well Condition poor.

SEALING PROCEDURE Method of Placement Over drilled well to 45 feet. Well casing broke at 28 feet below ground surface when pulling. Top 28ft was removed.
Placement: From 0 To 20 Sealing Material Quickcrown Volume 140 gal.
From 20 To 35 Sealing Material Bentonite chips Volume 8ft³
From 35 To 130 Sealing Material Sand Volume 18.6 ft³
Was Casing Removed? Yes or (No)* Casing 28 ft to 130ft remains in ground
Condition of Casing Top 28 ft is poor. 28-130 ft. condition unknown.
Perforations: From unknown To unknown
From N/A To N/A
Date Sealing Performed 6-12-03
Reason(s) for Sealing Well no longer protective of aquifer

CONTRACTOR Name Moody's of Dayton ODH Registration # 000006
Address 4359 Infirmary Rd P.O. Box 509
City/State/Zip Miamisburg, OH 45343
Signature Jonathan Walters FCP Geologist

I hereby certify the information given is accurate and correct to the best of my knowledge.

Completion of this form is required by section 1521.05 (B) (9), Ohio Revised Code - file within 30 days after completion of sealing.

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Enclosure I

000007

**Well Plugging and Abandonment Summary Information for 2003
(Method 1)**

Well	Reason for Abandonment	Coordinates NAD83N	Coordinates NAD83E	Diameter (in)	Depth (ft)	Riser Material	Date Abandoned
Method 1¹							
1009	No longer used	479575	1346531	4	11	Stainless Steel	4/30/03
3009	Compromised well integrity	4799581	1346554	4	103	Carbon Steel	4/30/03
1011	No longer used	482277	1346491	4	38	Stainless Steel	5/6/03
4011 ²	Compromised well integrity	482286	1346486	4	182	Stainless Steel	5/7/03
1015	No longer used	476166	1348743	4	54	PVC	5/1/03
1020	No longer used	479189	1348112	4	10	PVC	4/24/03
1915	No longer used	476170	1348742	4	33	Stainless Steel	5/1/03
1950	Planned excavation	482231	1348080	2	19	PVC	5/27/03
2015	Compromised well integrity	476178	1348732	4	85	PVC	5/6/03
2037	Planned excavation	482170	1348332	4	83	Stainless Steel	5/22/03
3037	Planned excavation	482170	1348322	4	137	Stainless Steel	5/22/03
2068	Compromised well integrity	478712	1349920	4	88	Stainless Steel	5/9/03
2070	Compromised well integrity	476781	1350560	4	103	Stainless Steel	5/8/03
2949	Planned excavation	482368	1348249	4	77	Stainless Steel	5/27/03
2951	Planned excavation	482188	1348085	4	72	Stainless Steel	5/27/03

¹Method 1 - Remove well riser, screen, and sump. Allow sand and gravel formation to collapse to the water table. Add bentonite pellets from top of the aquifer collapse to a minimum of 5 feet above the till/aquifer interface and inject bentonite slurry seal to the ground surface.

²Water Well Sealing Report included in Enclosure 2.

**Well Plugging and Abandonment Summary Information for 2003
(Methods 2, 3 and 4)**

Well	Reason for Abandonment	Coordinates NAD83N	Coordinates NAD83E	Diameter (in)	Depth (ft)	Riser Material	Date Abandoned
Method 2¹							
2020 ²	Compromised well integrity	479198	1348050	4	65	PVC	4/24/03
Method 3³							
3067	Planned excavation	479789	1351519	4	141.5	Stainless Steel	12/22/03
4067 ²	Planned excavation	479790	1351519	4	211.7	Stainless Steel	12/31/03
2417	Planned excavation	480332	1351464	4	90	Stainless Steel	7/16/03
3417	Planned excavation	480314	1351463	4	147	Stainless Steel	7/23/03
2430	Planned excavation	479783	1351528	4	86	Stainless Steel	12/17/03
Method 4⁴							
2011 ²	Compromised well integrity	482300	13464903	6	130	Carbon Steel	6/12/03

¹Method 2 - Over drill well to a depth below the base of the till. Completely remove well and allow aquifer to collapse to the water table. Add bentonite pellets from top of the aquifer collapse to a minimum of 5 feet above the till/aquifer interface and inject bentonite slurry seal to the ground surface.

² Water Well Sealing Report included in Enclosure 2.

³Method 3- Over drill well to a depth below the base of the till and completely remove well. Allow aquifer to collapse to the water table. Inject expansive cement from the water table to within 5 feet of the design elevation of the OSDF clay liner. Inject bentonite slurry to the ground surface.

⁴Method 4 - Fill screen and riser with sand. Add bentonite chips to a depth above the base of the till. Overdrill well to a depth below the base of the till. Remove well materials to a depth below the base of the till. Place a bentonite pellet seal at the till/aquifer interface and inject bentonite slurry to the surface.

Enclosure II

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
1939 Fountain Square Drive
Columbus, Ohio 43224-1385
Voice: (614) 265-6739 Fax: (614) 265-6767

0138430

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Method 1

LOCATION

Circle One or Both

County Hamilton Township Crosby Section/Lot Number 6

Owner/Builder Dept. of Energy Fernald Closure Project

Circle One or Both

Address of Well Location 7400 Willey Rd.

Number Street Name

City Hamilton Zip Code +4 45013-9402

1 miles NW of Willey Rd. and S.R. 128

n, e, s, w Nearest Intersection

Property Location Description on the N side of Willey Rd.

n, e, s, w road name

Location of Well in State Plane N S X 11346486.35 +/- ft. or m Y 482286.46 +/- ft. or m

Coordinates, if available

Elevation of Well 582.90 +/- Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number FCP # 4011 Copy attached? Yes or (No)

(circle one)

MEASURED CONSTRUCTION DETAILS Date of measurements 4/9/03

Depth of Well 182 ft Static Water Level 67 ft

Size of Casing 4 in. stainless steel Length of casing 172 ft

Well Condition Good except leaking joints

SEALING PROCEDURE Method of Placement Well casing removed. Borehole filled w/ sealing materials

Placement:	From	To	Sealing Material	Volume
	<u>0</u>	<u>3</u>	<u>Bentonite chips</u>	<u>1.5 ft³</u>
	<u>3</u>	<u>26</u>	<u>Quikcrete</u>	<u>2 ft³</u>
	<u>26</u>	<u>35</u>	<u>Bentonite chips</u>	<u>1 ft³</u>
	<u>35</u>	<u>70</u>	<u>Sand</u>	<u>3 ft³</u>
	<u>70</u>	<u>182</u>	<u>Natural collapse</u>	<u>N/A</u>

Was Casing Removed? (Yes) or No (circle one)

Condition of Casing Good except improperly assembled riser joints

Perforations: From 170 ft To 180 ft

From N/A To N/A

Date Sealing Performed 5/7/03

Reason(s) for Sealing Well no longer protective of aquifer

CONTRACTOR Name Moody's of Dayton ODH Registration # 000011

Address 4359 Infirmary Rd. PO Box 509

City/State/Zip Miamisburg, OH 45242

Signature [Signature] Jonathan Walters FCP Geologist

I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
 Division of Water
 1939 Fountain Square Drive
 Columbus, Ohio 43224-1385
 Voice: (614) 265-6739 Fax: (614) 265-6767

0138428

Method 2

LOCATION

County Hamilton Township Crosby Section/Lot Number 6
 Owner/Builder Dept of Energy Fernald Closure Project
 Address of Well Location 7400 Willey Rd.
 City Hamilton Zip Code +4 45013-9402
 Property Location Description on the N side of Willey Rd.
 Location of Well In State Plane coordinates, if available N S X 11348050.37 +/- Y 479198.11 +/-
 Elevation of Well 1572.00 Datum Plain: NAD27 NAD83
 Source of Coordinates: GPS Survey Other
 ORIGINAL WELL ODNR Well Log Number FCP # 2020 Copy attached? Yes or (No)

MEASURED CONSTRUCTION DETAILS

Date of measurements 1/6/03
 Depth of Well 65 ft Static Water Level 61 ft
 Size of Casing 4 in PVC Length of casing 60 ft.
 Well Condition Poor. Well was leaking at joints

SEALING PROCEDURE

Method of Placement Well overdrilled to 40 ft. Materials placed as well was removed

Placement:	From	To	Sealing Material	Volume
	<u>0</u>	<u>5 ft</u>	<u>bentonite chips</u>	<u>2.5 ft³</u>
	<u>5 ft</u>	<u>22 ft</u>	<u>Quickgrout</u>	<u>120 gal</u>
	<u>22 ft</u>	<u>30 ft</u>	<u>Natural collapse</u>	<u>N/A</u>
	<u>30 ft</u>	<u>48 ft</u>	<u>sand</u>	<u>5 ft³</u>
	<u>48 ft</u>	<u>65 ft</u>	<u>Natural collapse</u>	<u>N/A</u>

Was Casing Removed? (Yes) or No
 Condition of Casing Poor joints were leaking
 Perforations: From 60 ft To 65 ft
 From N/A To N/A
 Date Sealing Performed 4/24/03
 Reason(s) for Sealing Well was no longer protective of aquifer

CONTRACTOR

Name Moody's of Dayton ODH Registration # _____
 Address 4359 Infirmary Rd PO Box 509
 City/State/Zip Miamisburg, OH 45343
 Signature [Signature] Jonathan Walters FCP Geologist **000012**
 Thereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
 Division of Water
 1939 Fountain Square Drive
 Columbus, Ohio 43224-1385
 Voice: (614) 265-6739 Fax: (614) 265-6767

0138427

Method 3

LOCATION

County Hamilton Township Crosby Section/Lot Number 6
 Owner/Builder Department of Energy, Ferchald Closure Project
 Address of Well Location 7400 Willey Rd
 City Hamilton Zip Code +4 45013-9402
 Property Location Description on the N side of Willey Rd
 Location of Well in State Plane coordinates, if available N S
 Elevation of Well 593.30 Datum Plain: NAD27 NAD83
 Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number FCP#4067 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 10-6-03
 Depth of Well 211.7 ft. Static Water Level 81.6 ft.
 Size of Casing 4 inch stainless steel Length of casing 222.7 ft. (includes stickup)
 Well Condition Good

SEALING PROCEDURE
 Method of Placement Overdrill well casing to 50ft. Remove well casing. Place seal materials as augers are removed

Placement:	From	To	Sealing Material	Volume
	<u>4</u> *	<u>38</u>	<u>K-grout expansive cement</u>	<u>240 gal</u>
	<u>38</u>	<u>78</u>	<u>sand</u>	<u>11 ft³</u>
	<u>78</u>	<u>220</u>	<u>natural collapse</u>	<u>N/A</u>

* 0-4' not filled due to excavation immediately after abandonment.
 Was Casing Removed? Yes or No
 Condition of Casing Good
 Perforations: From 200 To 210 211.7
 From N/A To N/A

Date Sealing Performed 12-31-03
 Reason(s) for Sealing Well was located in On site Disposal Facility footprint

CONTRACTOR
 Name Moody's of Dayton ODH Registration # _____
 Address 4359 Infirmary Rd. P.O. Box 509
 City/State/Zip Miamisburg, OH 45343
 Signature [Signature] Jonathan Walker FCP Geologist

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WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
 Division of Water
 1939 Fountain Square Drive
 Columbus, Ohio 43224-1385
 Voice: (614) 265-6739 Fax: (614) 265-6767

0138426

Method 4

LOCATION

County Hamilton Township Crosby Section/Lot Number 6
 Owner/Builder Dept. of Energy, Fernald Closure project
 Address of Well Location 7400 Willey Rd.
 City Hamilton Zip Code +4 45013-9402
 Property Location Description 1 miles NW of Willey Rd. and S.R. 128
 on the N side of Willey Rd.
 Location of Well in State Plane N coordinates, if available S X 1346490.30 ft. or m Y 482300.99 ft. or m
 Elevation of Well 582.80 Datum Plain: NAD27 NAD83
 Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number FCP# 2011 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 4-9-03
 Depth of Well 130 ft. Static Water Level 67.14
 Size of Casing 6 inch carbon steel Length of casing 132 ft
 Well Condition poor

SEALING PROCEDURE

Method of Placement Over drilled well to 45 feet. Well casing broke at 28 feet below ground surface when pulling. Top 28ft was removed.

Placement:	From	To	Sealing Material	Volume
	<u>0</u>	<u>20</u>	<u>Quickgrout</u>	<u>140 gal</u>
	<u>20</u>	<u>35</u>	<u>Bestonite chips</u>	<u>8ft³</u>
	<u>35</u>	<u>130</u>	<u>Sand</u>	<u>18.6 ft³</u>

Was Casing Removed? Yes or No * Casing 28 ft to 130ft remains in ground

Condition of Casing Top 28 ft is poor. 28-130 ft. condition unknown.
 Perforations: From unknown To unknown
 From N/A To N/A

Date Sealing Performed 6-12-03
 Reason(s) for Sealing Well no longer protective of aquifer

CONTRACTOR

Name Moody's of Dayton ODH Registration # _____
 Address 4359 Infirmary Rd P.O. Box 509
 City/State/Zip Miamisburg OH 45342
 Signature Jonathan Walters FCP Geologist # 000014