

# 14<sup>th</sup> Street (Upper Zone) Corrective Action Plan Completion Report

Exxon Mobil Corporation Baltimore Terminal  
Baltimore, Maryland

August 4, 2008

Prepared for:

ExxonMobil Environmental Services  
1545 Route 22 East  
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TABLE 1: Wells Removed by Excavation or Abandonment

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## 1.0 INTRODUCTION

In accordance with the November 8, 2007 Consent Order between ExxonMobil and the Maryland Department of the Environment (MDE), and the approved 14<sup>th</sup> Street (Upper Zone) Corrective Action Plan dated March 3, 2008, GeoTrans, Inc. presents the following Corrective Action Completion Report. This completion report presents the results of the corrective action plan activities to meet the Consent Order remedial goal of LNAPL removal to the maximum extent practicable. The activities included the excavation of the remaining remedial trenches and excavation/abandonment of monitoring wells. Parcel maps highlighting the former trench areas, monitoring wells which were excavated and monitoring wells which were abandoned are presented in **Figures 1 and 2**. Photographs of the corrective action activities are presented in **Appendix A**.

## 2.0 EXCAVATION OF FORMER REMEDIAL TRENCHES

Corrective action activities included the excavation of the remaining three remedial trenches which were supervised by trained GeoTrans personnel with LNAPL excavation experience. The work was completed during the months of March and April 2008.

Prior to excavation activities, ExxonMobil subsurface clearance protocols were completed which included calling “Miss Utility” and utilizing an “air knife” to install pilot test holes in the area of the proposed excavations. A Health and Safety Plan and site-specific Job-Safety Analysis were also developed and reviewed in an on-site kick off meeting with the subcontractor prior to the start of field activities.

Following the completion of the kick off meeting, the excavation team was mobilized to the site. A fractionation tank was placed in a location central to all excavations to receive dewatering fluids during trench backfilling. Excavation was completed to remove the former recovery trench material, soil, geotextile fabric, and gravel. Excavated materials were segregated into two piles based on the visual presence or absence of LNAPL saturated soils (product pooling observed in the backhoe bucket). LNAPL saturated soils were stockpiled and covered in the vicinity of the excavation on 6 mil plastic and graded to direct run off back into the excavation. Non LNAPL saturated soils were stockpiled and used for subsequent on-site backfill. LNAPL saturated soils were removed vertically to a maximum depth of the water table (approximately 10 to 12 feet BGS). LNAPL saturated soils were removed horizontally until clean soils were encountered. When LNAPL was encountered, the excavation was allowed to remain open for a period of 24 hours. After 24 hours the trench was dewatered utilizing a trash pump and the water stored in a fractionation tank. Any remaining LNAPL was removed. The excavation was then backfilled with soil in 1’ lifts to ensure soil compaction equal to surrounding conditions.

### **3.0 EXCAVATION OF MONITORING WELLS**

Corrective action activities also included the excavation of wells with LNAPL greater than one foot and any corresponding LNAPL saturated soils in the immediate vicinity of the wells. A list of the wells excavated is included in **Table 1**.

Monitoring well excavation was completed following the same procedures as described for trench excavation (Section 2.0). Excavation was completed in a 10 foot radius around each of the monitoring wells and was extended vertically to the water table with removal of the PVC well casing. Wells 3025, 3043, 3049, 3059, 3066 and 3071 were excavated per the Corrective Action Plan dated February 15, 2008 and well 3033 was excavated per the March 3<sup>rd</sup> MDE approval letter. Excavation was also completed in the locations of former wells 3004 and 3056 in an attempt to locate the previously destroyed wells, however no well casing was discovered in either excavation.

### **4.0 MONITORING WELL ABANDONMENT**

Remaining monitoring wells not associated with the Janney Run investigation or the remaining remedial trench along the western property boundary were abandoned by a Maryland licensed well driller and supervised by trained GeoTrans personnel. **Table 1** presents a list of the wells abandoned. At each location, the driller attempted to remove the PVC well casing and each well was tremie grouted to the surface using a bentonite/cement grout material. Any remaining well casings or protective coverings were removed to an elevation below the current ground surface. Monitoring well abandonment reports can be found in **Appendix B**.

### **5.0 SOIL STOCKPILE RECYCLING AND PURGE WATER HANDLING**

Stockpiled LNAPL saturated soils generated during the excavation were transported to Soil Safe for treatment by encapsulation and subsequently returned to the site for use as backfill in other portions of the parcel. A total of approximately 100 tons of soil were treated and utilized as backfill on site.

Purge water removed from the excavations prior to backfill was removed from the fractionation tank by vacuum truck and taken to a Clean Harbors facility for treatment and disposal. A total of approximately 4,500 gallons of water were generated during the excavation activities and removed from site by Clean Harbors.

Laboratory analysis from the soil stockpile recycling and purge water handling are presented in **Appendix C**.

## FIGURES





## **TABLES**

**Table 1**  
**Monitoring Wells Excavated/Abandoned**  
**14th Street Parcel (Upper Zone) Corrective Action**  
**Exxon Mobil Corporation Baltimore Terminal**

Well Number	Completed Activities	Justification
3004	Well Abandoned	Records indicate this is a 2-inch monitoring pipe which was destroyed. Excavated in area with no evidence of well located.
3005	Well Abandoned	Maximum LNAPL since 12/15/06 is 0.45 ft
3017	Well Abandoned	No LNAPL detected over last year of monitoring
3018	Well Abandoned	No LNAPL detected over last year of monitoring
3019	Well Abandoned	Maximum LNAPL since 12/15/06 is 0.01 ft
3020	Well Abandoned	No LNAPL detected over last year of monitoring
3021	Well Abandoned	No LNAPL detected over last year of monitoring
3023	Well Abandoned	Maximum LNAPL since 12/15/06 is 0.28 ft
3025	Well Excavated	Maximum LNAPL since 12/15/06 is 1.29 ft
3031	Well Abandoned	No LNAPL detected over last year of monitoring
3032	Well Abandoned	Maximum LNAPL since 12/15/06 is 0.05 ft
3033	Well Excavated	Maximum LNAPL since 12/15/06 is 0.39 ft
3034	Well Abandoned	Maximum LNAPL since 12/15/06 is 0.60 ft
3035	Well Abandoned	Maximum LNAPL since 12/15/06 is 0.08 ft
3038	Well Abandoned	No LNAPL detected over last year of monitoring
3040	Well Abandoned	No LNAPL detected over last year of monitoring
3042	Well Abandoned	Maximum LNAPL since 12/15/06 is 0.08 ft
3043	Well Excavated	Maximum LNAPL since 12/15/06 is 1.08 ft
3044	Well Abandoned	No LNAPL detected over last year of monitoring
3046	Well Abandoned	No LNAPL detected over last year of monitoring
3048	Well Abandoned	Maximum LNAPL since 12/15/06 is 0.10 ft
3049	Well Excavated	Maximum LNAPL since 12/15/06 is 2.42 ft
3055	Well Abandoned	No LNAPL detected over last year of monitoring
3056	Well Abandoned	Records indicate this is a 4-inch well covered over during parcel grading. Excavated in area with no evidence of well located.
3057	Well Abandoned	No LNAPL detected over last year of monitoring
3059	Well Excavated	Maximum LNAPL since 12/15/06 is 1.28 ft
3060	Well Abandoned	No LNAPL detected over last year of monitoring
3061	Well Abandoned	No LNAPL detected over last year of monitoring
3062	Well Abandoned	Maximum LNAPL since 12/15/06 is 0.02 ft
3064	Well Abandoned	No LNAPL detected over last year of monitoring
3066	Well Excavated	Maximum LNAPL since 12/15/06 is 3.3 ft
3068	Well Abandoned	No LNAPL detected over last year of monitoring
3070	Well Abandoned	No LNAPL detected over last year of monitoring
3071	Well Excavated	Maximum LNAPL since 12/15/06 is 2.56 ft
3077	Well Abandoned	No LNAPL detected over last year of monitoring
3081	Well Abandoned	No LNAPL detected over last year of monitoring

## **APPENDIX A**

**14<sup>TH</sup> STREET TRENCH / WELL CLOSURE  
EXXON MOBIL CORPORATION BALTIMORE TERMINAL  
BALTIMORE, MARYLAND**



**PHOTOGRAPH 1** Excavation of Northern Trench



**PHOTOGRAPH 2** Dewatering of Northern Trench



**PHOTOGRAPH 3** Backfill of Northern Trench



**PHOTOGRAPH 4** Compaction of Northern Trench



**PHOTOGRAPH 5** Excavation of Central Trench and well 3071



**PHOTOGRAPH 6** Dewater of Central Trench

**14<sup>TH</sup> STREET TRENCH / WELL CLOSURE  
EXXON MOBIL CORPORATION BALTIMORE TERMINAL  
BALTIMORE, MARYLAND**



**PHOTOGRAPH 7** Backfill of Central Trench



**PHOTOGRAPH 8** Compaction of Central Trench



**PHOTOGRAPH 9** Excavation of Southern Trench and well 3025



**PHOTOGRAPH 10** Backfill of Southern Trench



**PHOTOGRAPH 11** Compaction of Southern Trench



**PHOTOGRAPH 12** Wells 3033 and 3059 prior to excavation

**14<sup>TH</sup> STREET TRENCH / WELL CLOSURE  
EXXON MOBIL CORPORATION BALTIMORE TERMINAL  
BALTIMORE, MARYLAND**



**PHOTOGRAPH 13** Excavation of wells 3033 and 3059



**PHOTOGRAPH 14** Well 3043 prior to excavation



**PHOTOGRAPH 15** Well 3043 post excavation



**PHOTOGRAPH 16** Well 3049 prior to excavation



**PHOTOGRAPH 17** Well 3049 post excavation



**PHOTOGRAPH 18** Well 3066 prior to excavation

**14<sup>TH</sup> STREET TRENCH / WELL CLOSURE  
EXXON MOBIL CORPORATION BALTIMORE TERMINAL  
BALTIMORE, MARYLAND**



**PHOTOGRAPH 19** Well 3066 post excavation



**PHOTOGRAPH 20** Well 3005 prior to abandonment



**PHOTOGRAPH 21** Well 3017 prior to abandonment



**PHOTOGRAPH 22** Well 3018 prior to abandonment



**PHOTOGRAPH 23** Well 3019 prior to abandonment



**PHOTOGRAPH 24** Well 3020 prior to abandonment

**14<sup>TH</sup> STREET TRENCH / WELL CLOSURE  
EXXON MOBIL CORPORATION BALTIMORE TERMINAL  
BALTIMORE, MARYLAND**



**PHOTOGRAPH 25** Well 3023 prior to abandonment



**PHOTOGRAPH 26** Well 3031 prior to abandonment



**PHOTOGRAPH 27** Well 3032 prior to abandonment



**PHOTOGRAPH 28** Well 3035 prior to abandonment



**PHOTOGRAPH 29** Well 3036 prior to abandonment



**PHOTOGRAPH 30** Well 3038 prior to abandonment

**14<sup>TH</sup> STREET TRENCH / WELL CLOSURE  
EXXON MOBIL CORPORATION BALTIMORE TERMINAL  
BALTIMORE, MARYLAND**



**PHOTOGRAPH 31** Well 3040 prior to abandonment



**PHOTOGRAPH 32** Well 3042 prior to abandonment



**PHOTOGRAPH 33** Well 3044 prior to abandonment



**PHOTOGRAPH 34** Well 3046 prior to abandonment



**PHOTOGRAPH 35** Well 3048 prior to abandonment



**PHOTOGRAPH 36** Well 3057 prior to abandonment

**14<sup>TH</sup> STREET TRENCH / WELL CLOSURE  
EXXON MOBIL CORPORATION BALTIMORE TERMINAL  
BALTIMORE, MARYLAND**



**PHOTOGRAPH 37** Well 3060 prior to abandonment



**PHOTOGRAPH 38** Well 3061 prior to abandonment



**PHOTOGRAPH 39** Well 3062 prior to abandonment



**PHOTOGRAPH 40** Well 3064 prior to abandonment



**PHOTOGRAPH 41** Wells 3021 and 3068 prior to abandonment



**PHOTOGRAPH 42** Well 3070 prior to abandonment

**14<sup>TH</sup> STREET TRENCH / WELL CLOSURE  
EXXON MOBIL CORPORATION BALTIMORE TERMINAL  
BALTIMORE, MARYLAND**



**PHOTOGRAPH 43** Well 3071 prior to abandonment



**PHOTOGRAPH 44** Well 3077 prior to abandonment



**PHOTOGRAPH 45** Well 3081 prior to abandonment

## **APPENDIX B**

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
 2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) BC - 97 - 0119

\* PERMIT NUMBER OF REPLACEMENT WELL NA - - -

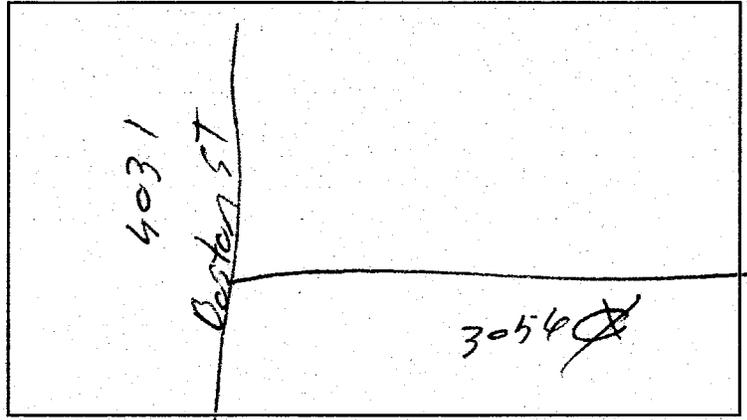
\* PERSON ABANDONING WELL: Chad Chium

WELL DRILLERS LICENSE NUMBER: JGD-066  
 CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Park City  
 NEAREST TOWN: Carters  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4031  
 NEAREST ROAD: Boston St.



\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED/AUGERED  HAND DUG
- OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 20 FEET DEEP

\* WAS ANY CASING REMOVED?  YES  NO  
 if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED?  YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement @ Berit.</u>	<u>20</u>	<u>0</u>

VOLUME OF MATERIAL USED

50 lbs cement  
 3 lbs berit.  
 3 gal. H<sub>2</sub>O

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN Dave LICENSE # \_\_\_\_\_ CIRCLE ONE DATE 4/1/08



3057

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

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- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) BC - 92 - 0126

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Chad Chism

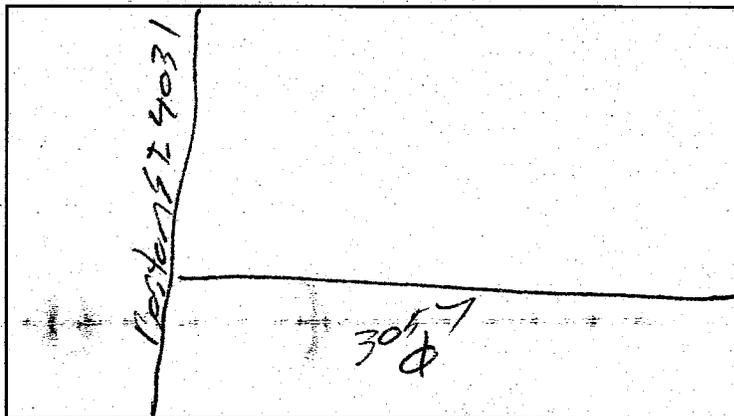
WELL DRILLERS LICENSE NUMBER: 500-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Balt. City  
 NEAREST TOWN: Canton  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4031  
 NEAREST ROAD: Parker St.



\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED/AUGERED  HAND DUG
- OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 2 INCHES IN DIAMETER

\* DEPTH OF WELL: 20 FEET DEEP

\* WAS ANY CASING REMOVED?  YES  NO  
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED?  YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; Sand</u>	<u>20</u>	<u>2</u>
VOLUME OF MATERIAL USED		
<u>50 lbs cement, 3 lbs sand, 3 gal. H<sub>2</sub>O</u>		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN D. Chism LICENSE # \_\_\_\_\_ CIRCLE ONE 064 DATE 4/1/08

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 2/1/02 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) BC -92 -0125

\* PERMIT NUMBER OF REPLACEMENT WELL NA - - -

\* PERSON ABANDONING WELL: Chad Chism

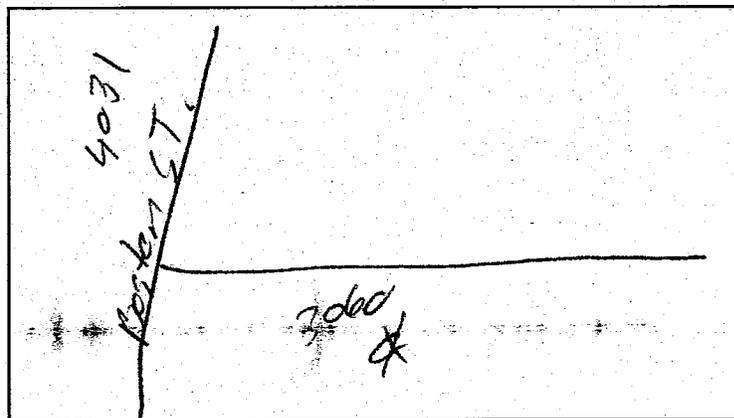
WELL DRILLERS LICENSE NUMBER: 500066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
COUNTY: Balt. City  
NEAREST TOWN: Center  
TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
SUBDIVISION: \_\_\_\_\_  
SECTION: \_\_\_\_\_ LOT: 4031  
NEAREST ROAD: Porter ST



\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED/AUGERED  HAND DUG
- OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 2 INCHES IN DIAMETER

\* DEPTH OF WELL: 22 FEET DEEP

\* WAS ANY CASING REMOVED?  YES  NO  
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED?  YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Cement & Bent.	22	0
VOLUME OF MATERIAL USED		
50 lbs cement 3 lbs bent 3 lbs H <sub>2</sub> O		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN [Signature]

LICENSE # \_\_\_\_\_

MWD/MSD/MGD 063 4/1/02  
CIRCLE ONE DATE



3061

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) BC -92 - 0110

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Chad Chism

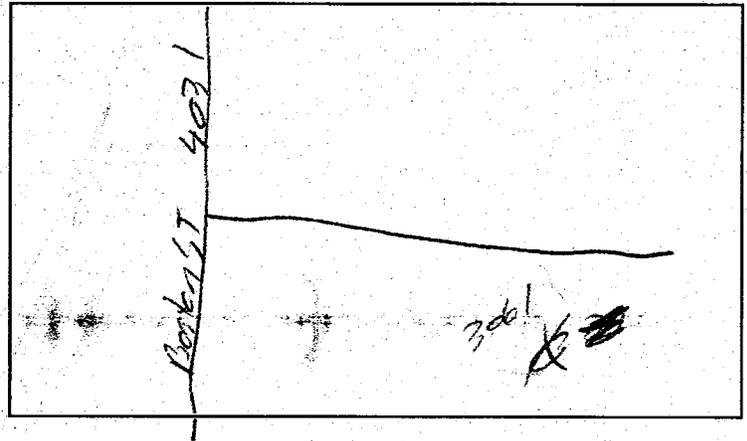
WELL DRILLERS LICENSE NUMBER: JOD-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Balt. City  
 NEAREST TOWN: Cowles  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4031  
 NEAREST ROAD: Boston St



\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED/AUGERED  HAND DUG
- OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 2 INCHES IN DIAMETER

\* DEPTH OF WELL: 22 FEET DEEP

\* WAS ANY CASING REMOVED?  YES  NO  
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED?  YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement @ Best.</u>	<u>22</u>	<u>0</u>

VOLUME OF MATERIAL USED

50 lbs cement.  
3 lbs Best.  
3 gal. H<sub>2</sub>O

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN [Signature]

LICENSE # \_\_\_\_\_

MWD/MSD/MGD 03

CIRCLE ONE

DATE 4/1/08

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
 1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/2/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) \_\_\_\_\_

\* PERMIT NUMBER OF REPLACEMENT WELL \_\_\_\_\_

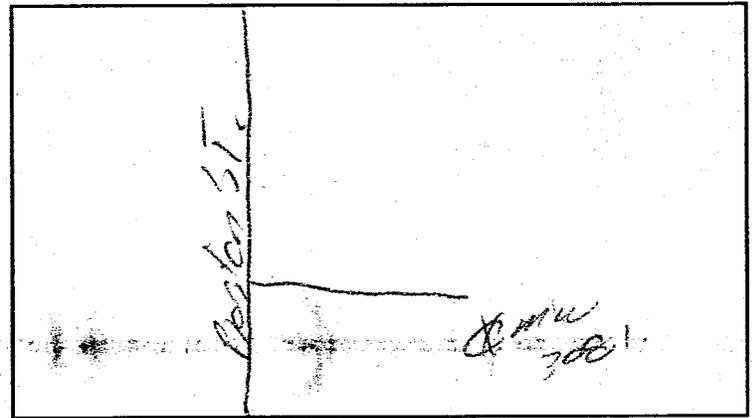
\* PERSON ABANDONING WELL: Chad Allison

WELL DRILLERS LICENSE NUMBER: 500-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP



\* WELL LOCATION:  
 COUNTY: Balti City  
 NEAREST TOWN: Cowles  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4301  
 NEAREST ROAD: Parker St.

\* TYPE OF WELL BEING ABANDONED:

- DRILLED
- BORED/AUGERED
- OTHER (specify) \_\_\_\_\_
- JETTED
- HAND DUG

\* USE CODE:

- DOMESTIC
- IRRIGATION
- TEST/OBSERVATION
- MUNICIPAL/PUBLIC
- INDUSTRIAL
- GEOTHERMAL

\* TYPE OF CASING:

- STEEL
- CONCRETE
- PLASTIC
- OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 2 INCHES IN DIAMETER

\* DEPTH OF WELL: 17 FEET DEEP

\* WAS ANY CASING REMOVED?  YES  NO  
 if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED?  YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; Best.</u>	<u>17</u>	<u>0</u>
VOLUME OF MATERIAL USED		
<u>46 lbs cement</u>		
<u>5 lbs best.</u>		
<u>7 gal. H<sub>2</sub>O</u>		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN \_\_\_\_\_

LICENSE # \_\_\_\_\_

MWD/MSD/MGD 0063 4/1/08

CIRCLE ONE

DATE

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
 2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

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- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/2/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) \_\_\_\_\_

\* PERMIT NUMBER OF REPLACEMENT WELL \_\_\_\_\_

\* PERSON ABANDONING WELL: Chad Orin

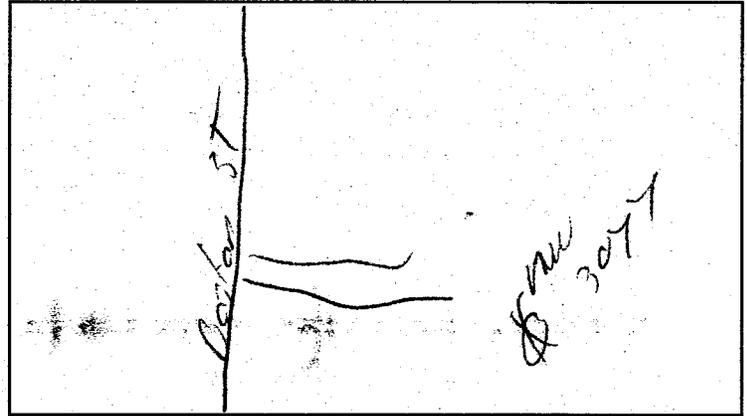
WELL DRILLERS LICENSE NUMBER: 560-064

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Balti City  
 NEAREST TOWN: Center  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4301  
 NEAREST ROAD: Posten St.



\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED/AUGERED  HAND DUG
- OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 2 INCHES IN DIAMETER

\* DEPTH OF WELL: 15 FEET DEEP

\* WAS ANY CASING REMOVED? YES  NO   
 if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; Beut.</u>	<u>22</u>	<u>0</u>

VOLUME OF MATERIAL USED

94 lbs cement  
510? Beut.  
7 gal. H<sub>2</sub>O

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN \_\_\_\_\_

LICENSE # \_\_\_\_\_

MWD/MSD/MGD 0063  
 CIRCLE ONE

DATE 4/1/8

\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/2/08 (month/day/year)

*MW 3070*

\* PERMIT NUMBER OF ABANDONED WELL (if any) \_\_\_\_\_

\* PERMIT NUMBER OF REPLACEMENT WELL \_\_\_\_\_

\* PERSON ABANDONING WELL: Chad Chisler

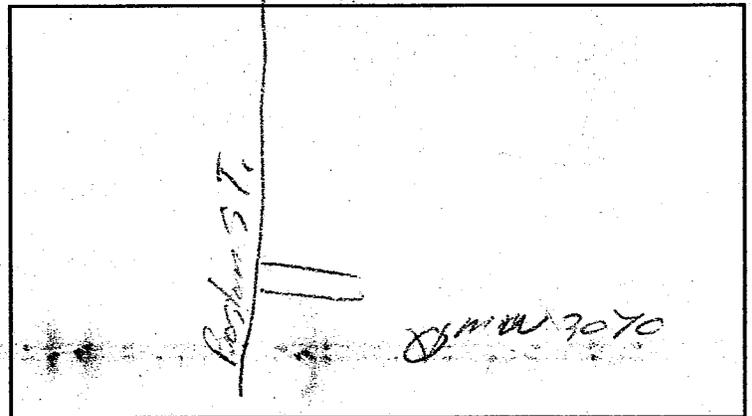
WELL DRILLERS LICENSE NUMBER: 300-dbl

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

\* WELL LOCATION:  
 COUNTY: Path City  
 NEAREST TOWN: Caston  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4301  
 NEAREST ROAD: Caston St

SITE LOCATION MAP



\* TYPE OF WELL BEING ABANDONED:

DRILLED \_\_\_\_\_ JETTED \_\_\_\_\_  
 \_\_\_\_\_ BORED/AUGERED \_\_\_\_\_ HAND DUG \_\_\_\_\_  
 \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

\_\_\_\_\_ DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC  
 \_\_\_\_\_ IRRIGATION \_\_\_\_\_ INDUSTRIAL  
 TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

\_\_\_\_\_ STEEL \_\_\_\_\_  PLASTIC  
 \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 2 INCHES IN DIAMETER

\* DEPTH OF WELL: 22 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES  NO  
 if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; Bestate</u>	<u>22</u>	<u>0</u>
VOLUME OF MATERIAL USED		
<u>99lb Cement + 51lb Bestate 79d. H<sub>2</sub>O</u>		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN \_\_\_\_\_

LICENSE # \_\_\_\_\_

MWD/MSD/MGD 063

CIRCLE ONE

DATE 4/1/08

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
 1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

*MW 3068*

DATE WELL ABANDONED: 4/2/00 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) \_\_\_\_\_

\* PERMIT NUMBER OF REPLACEMENT WELL \_\_\_\_\_

\* PERSON ABANDONING WELL: Clad Chem

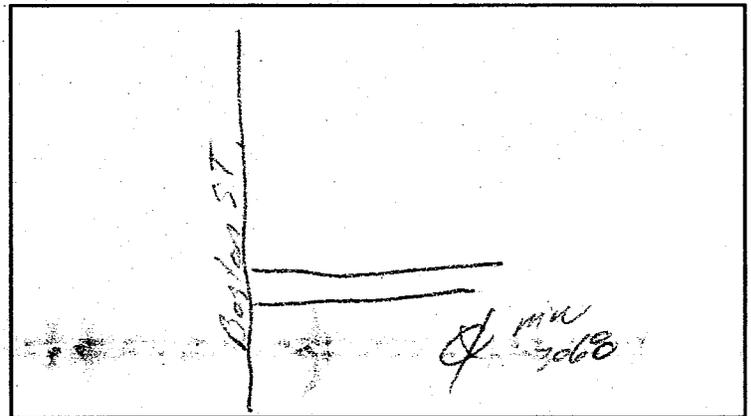
WELL DRILLERS LICENSE NUMBER: 300-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Balti City  
 NEAREST TOWN: Center  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4301  
 NEAREST ROAD: Roster St



\* TYPE OF WELL BEING ABANDONED:

DRILLED \_\_\_\_\_ JETTED  
 \_\_\_\_\_ BORED/AUGERED \_\_\_\_\_ HAND DUG  
 \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

\_\_\_\_\_ DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC  
 \_\_\_\_\_ IRRIGATION \_\_\_\_\_ INDUSTRIAL  
 TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

\_\_\_\_\_ STEEL \_\_\_\_\_  PLASTIC  
 \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 2 INCHES IN DIAMETER

\* DEPTH OF WELL: 21 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES  NO  
 if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement @ Beatside</u>	<u>21</u>	<u>0</u>

VOLUME OF MATERIAL USED

94lb cement  
 5lb beat  
 7 gal H<sub>2</sub>O

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN \_\_\_\_\_

LICENSE # \_\_\_\_\_

MWD/MSD/MGD 063 4/1/00  
 CIRCLE ONE \_\_\_\_\_ DATE

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

*MW 3064*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/2/00 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) \_\_\_\_\_

\* PERMIT NUMBER OF REPLACEMENT WELL \_\_\_\_\_

\* PERSON ABANDONING WELL: Urad Chisari

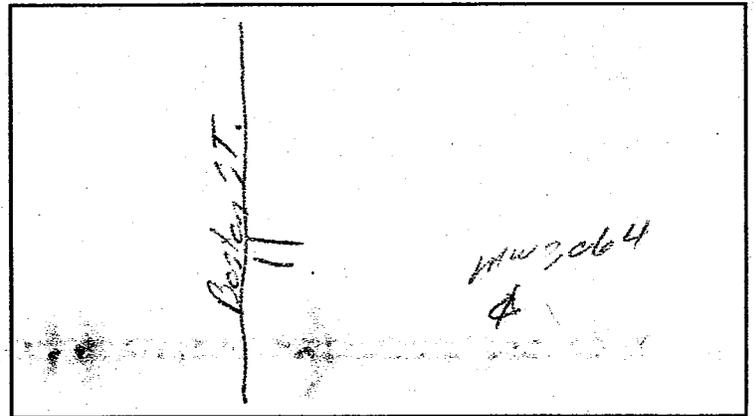
WELL DRILLERS LICENSE NUMBER: 50D-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Balt. City  
 NEAREST TOWN: Center  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4701  
 NEAREST ROAD: Reister St.



\* TYPE OF WELL BEING ABANDONED:

DRILLED \_\_\_\_\_ JETTED  
 \_\_\_\_\_ BORED/AUGERED \_\_\_\_\_ HAND DUG  
 \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

\_\_\_\_\_ DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC  
 \_\_\_\_\_ IRRIGATION \_\_\_\_\_ INDUSTRIAL  
 TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

\_\_\_\_\_ STEEL \_\_\_\_\_  PLASTIC  
 \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 2 INCHES IN DIAMETER

\* DEPTH OF WELL: 24 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES \_\_\_\_\_  NO  
 if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES \_\_\_\_\_  NO

*[Signature]*

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<i>Concrete &amp; Bedrock</i>	<i>24</i>	<i>0</i>
VOLUME OF MATERIAL USED		
<i>94 lb 15 lb 7 gal H<sub>2</sub>O</i>	<i>Concrete</i>	<i>Bedrock</i>

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

LICENSE #

MWD/MSD/MGD 0063 4/1/00  
 CIRCLE ONE DATE



MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
 1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any)

BC - 81 - 0398

\* PERMIT NUMBER OF REPLACEMENT WELL

NA - -

\* PERSON ABANDONING WELL: Clard Chisom

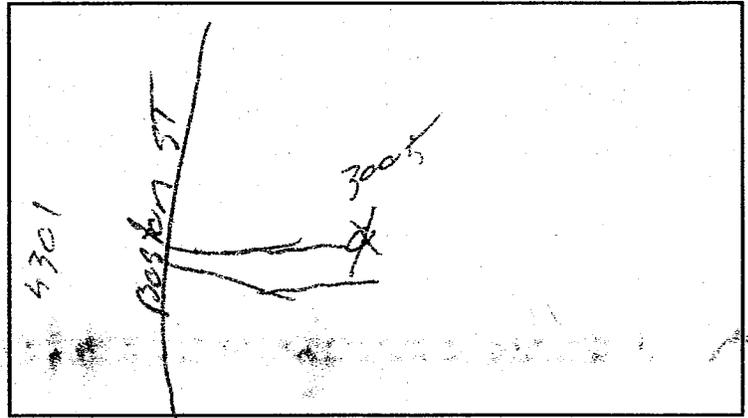
WELL DRILLERS LICENSE NUMBER: 560-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Balt. City  
 NEAREST TOWN: Center  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4301  
 NEAREST ROAD: Poston ST



\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED/AUGERED  HAND DUG
- OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 30 FEET DEEP

\* WAS ANY CASING REMOVED?  YES  NO  
 if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED?  YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; Bent.</u>	<u>30</u>	<u>0</u>

VOLUME OF MATERIAL USED

2 1/2 bags cement &  
 6 gal. H<sub>2</sub>O  
 5 pds bent.

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

[Signature]

LICENSE #

MWD/MSD/MGD 063

CIRCLE ONE

DATE

4/2/08



3017

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA

\* PERMIT NUMBER OF REPLACEMENT WELL NA

\* PERSON ABANDONING WELL: Charles Chism

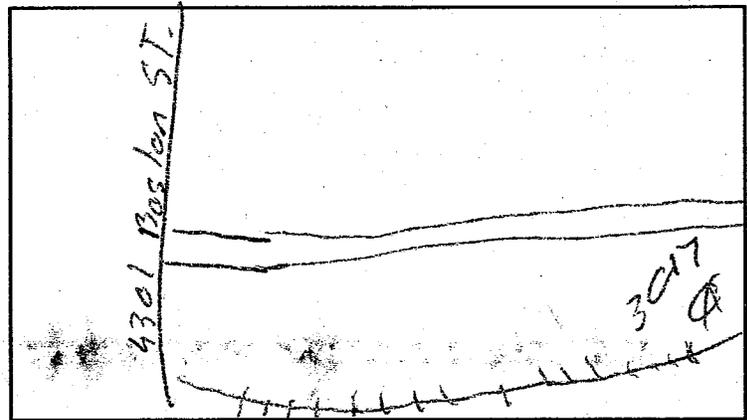
WELL DRILLERS LICENSE NUMBER: 560-064

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Balt. City  
 NEAREST TOWN: Canton  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4301  
 NEAREST ROAD: Park St.



\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED/AUGERED  HAND DUG
- OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 38 FEET DEEP

\* WAS ANY CASING REMOVED? YES  NO   
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; Barite</u>	<u>38</u>	<u>0</u>

VOLUME OF MATERIAL USED  
94lb. cement  
6 gal. #20  
5 id. bent.

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN [Signature]

LICENSE # \_\_\_\_\_

MWD/MSD/MGD 0003

DATE 4/1/8

3018

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA - -

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Chad Christman

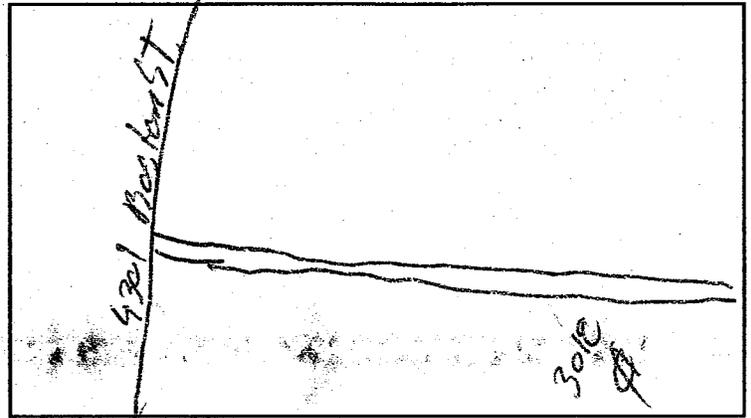
WELL DRILLERS LICENSE NUMBER: 560-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY:  Balt. City  
 NEAREST TOWN: Castor  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4301  
 NEAREST ROAD: Castor St.



\* TYPE OF WELL BEING ABANDONED:

- DRILLED                      \_\_\_\_\_ JETTED  
 \_\_\_\_\_ BORED/AUGERED      \_\_\_\_\_ HAND DUG  
 \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

- \_\_\_\_\_ DOMESTIC                      \_\_\_\_\_ MUNICIPAL/PUBLIC  
 \_\_\_\_\_ IRRIGATION                      \_\_\_\_\_ INDUSTRIAL  
 TEST/OBSERVATION                      \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

- \_\_\_\_\_ STEEL                                       PLASTIC  
 \_\_\_\_\_ CONCRETE                                      \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 20 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES  NO  
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; bent</u>	<u>20</u>	<u>0'</u>
VOLUME OF MATERIAL USED		
<u>50 lbs Cement</u> <u>3 lbs bent</u> <u>5 gal. H<sub>2</sub>O</u>		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

LICENSE #

MWD/MSD/MGD 0063

CIRCLE ONE

DATE 4/1/08



3019

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 9/1/00 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA - -

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Chad Chism

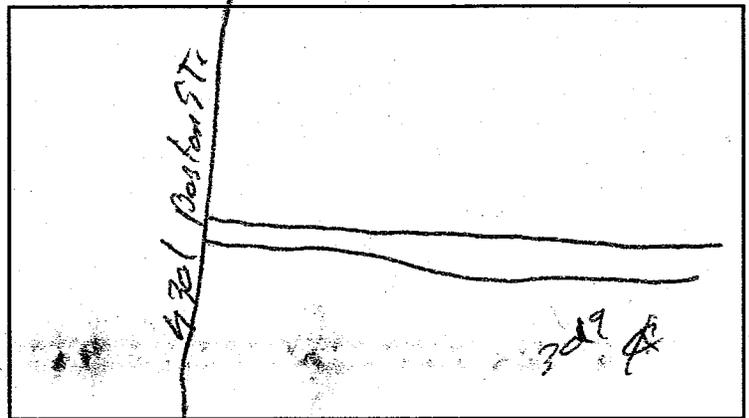
WELL DRILLERS LICENSE NUMBER: JG-D-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Balt. City  
 NEAREST TOWN: Canton  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4301  
 NEAREST ROAD: Poston ST.



\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED/AUGERED  HAND DUG
- OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 38 FEET DEEP

\* WAS ANY CASING REMOVED? YES  NO   
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Concret &amp; Bentrite</u>	<u>38</u>	<u>0</u>

VOLUME OF MATERIAL USED

94 lbs Concret  
5 lbs bent.  
6 gal. H<sub>2</sub>O

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN [Signature]

LICENSE # \_\_\_\_\_

MWD/MSD/MSD 063  
CIRCLE ONE

DATE 9/1/00

3020

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/00 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA - -

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Chad Chris M

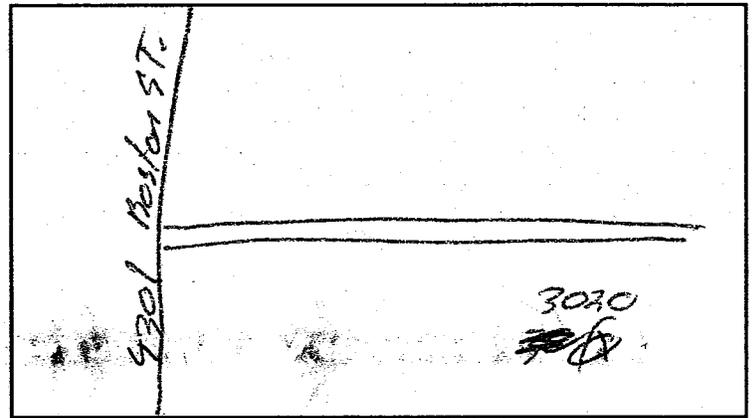
WELL DRILLERS LICENSE NUMBER: JG-D-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Calk. City  
 NEAREST TOWN: Centon  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4301  
 NEAREST ROAD: Boston ST.



\* TYPE OF WELL BEING ABANDONED:

- DRILLED
- BORED/AUGERED
- OTHER (specify) \_\_\_\_\_
- JETTED
- HAND DUG

\* USE CODE:

- DOMESTIC
- IRRIGATION
- TEST/OBSERVATION
- MUNICIPAL/PUBLIC
- INDUSTRIAL
- GEOTHERMAL

\* TYPE OF CASING:

- STEEL
- CONCRETE
- PLASTIC
- OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 30 FEET DEEP

\* WAS ANY CASING REMOVED? YES  NO   
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; Bent.</u>	<u>30</u>	<u>0</u>

VOLUME OF MATERIAL USED

94 lb cement  
4 lbs bent.  
6 gal. H<sub>2</sub>O

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN [Signature]

LICENSE # \_\_\_\_\_

MWD/MSD/MGD (066)

DATE 4/1/00



3021

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) BC - 81 - 0394

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Chad Chism

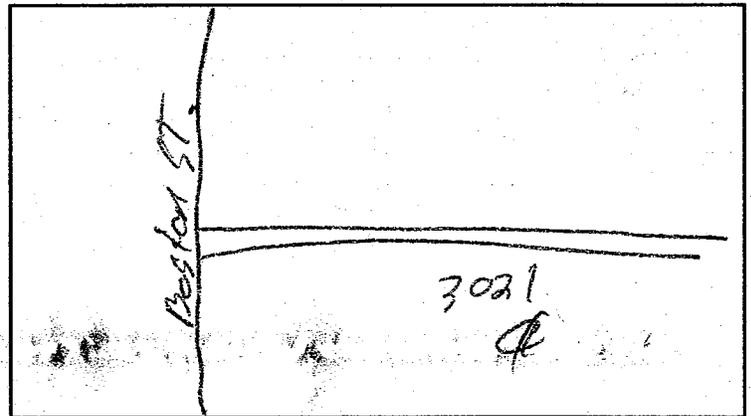
WELL DRILLERS LICENSE NUMBER: 360-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Prith City  
 NEAREST TOWN: Castor  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4301  
 NEAREST ROAD: Castor St.



\* TYPE OF WELL BEING ABANDONED:

- DRILLED \_\_\_\_\_ JETTED \_\_\_\_\_
- \_\_\_\_\_ BORED/AUGERED \_\_\_\_\_ HAND DUG \_\_\_\_\_
- \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

- \_\_\_\_\_ DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC
- IRRIGATION \_\_\_\_\_ INDUSTRIAL
- \_\_\_\_\_ TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

- \_\_\_\_\_ STEEL \_\_\_\_\_  PLASTIC
- \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 30 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES \_\_\_\_\_  NO  
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES \_\_\_\_\_  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; bentonite</u>	<u>20</u>	<u>0</u>

VOLUME OF MATERIAL USED

50 lbs Cement  
2 lbs bent  
3 gal. #2

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN [Signature]

LICENSE # \_\_\_\_\_

MWD/MSD/MGD 063

CIRCLE ONE

DATE 4/1/08

3023

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA - -

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Chad Chrisman

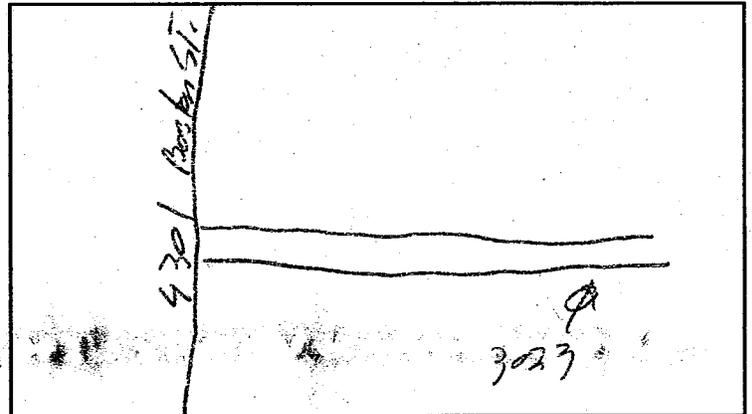
WELL DRILLERS LICENSE NUMBER: 50D-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Baltimore  
 NEAREST TOWN: Crofton  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4301  
 NEAREST ROAD: Boston ST



\* TYPE OF WELL BEING ABANDONED:

- DRILLED      \_\_\_\_\_ JETTED  
 \_\_\_\_\_ BORED/AUGERED      \_\_\_\_\_ HAND DUG  
 \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

- \_\_\_\_\_ DOMESTIC      \_\_\_\_\_ MUNICIPAL/PUBLIC  
 \_\_\_\_\_ IRRIGATION      \_\_\_\_\_ INDUSTRIAL  
 TEST/OBSERVATION      \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

- \_\_\_\_\_ STEEL       PLASTIC  
 \_\_\_\_\_ CONCRETE      \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 26 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES \_\_\_\_\_  NO  
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES \_\_\_\_\_  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Cement @ Bent.	26	0

VOLUME OF MATERIAL USED

94 lb. cement  
5 lb. bent.  
6 gal. H<sub>2</sub>O

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

LICENSE #

MWD/MSD/MGD 0063 4/1/08

CIRCLE ONE

DATE

3031

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/02 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA - -

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

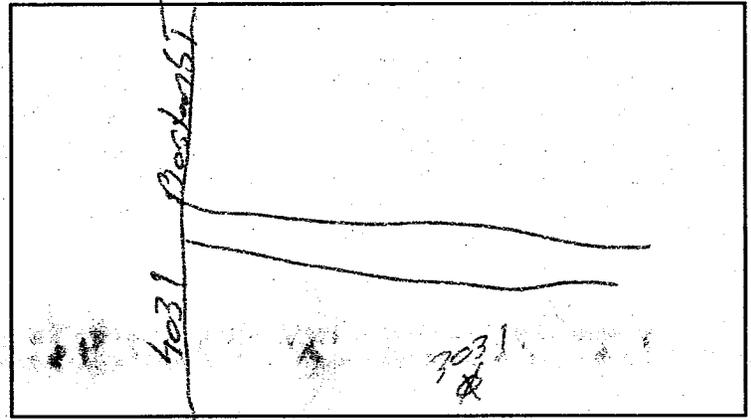
\* PERSON ABANDONING WELL: Chad Chism

WELL DRILLERS LICENSE NUMBER: 560-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP



\* WELL LOCATION:  
 COUNTY: Balt. City  
 NEAREST TOWN: Canton  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4301  
 NEAREST ROAD: Poston St

\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED/AUGERED  HAND DUG
- OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 37 FEET DEEP

\* WAS ANY CASING REMOVED?  YES  NO  
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED?  YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; Portland</u>	<u>37</u>	<u>0</u>

VOLUME OF MATERIAL USED

190 lbs cement,  
10 lbs port.  
12 gal #30

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

LICENSE #

MWD/MSD/MGD 0063

DATE 4/1/02

3032

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/02 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA - -

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Chad Chism

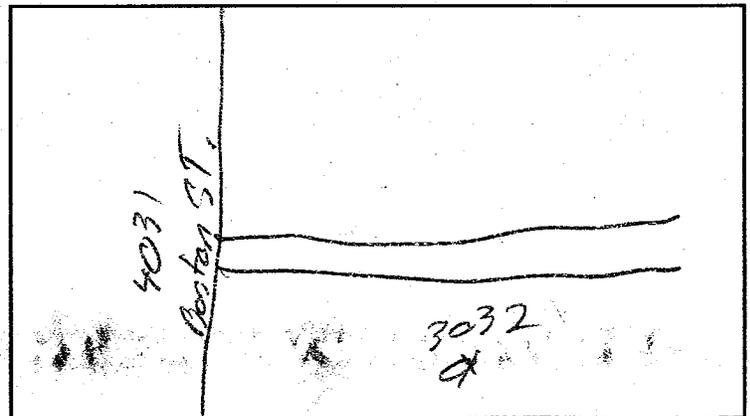
WELL DRILLERS LICENSE NUMBER: 360-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Park Excess

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Park City  
 NEAREST TOWN: Carters  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4031  
 NEAREST ROAD: Carters St.



\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED/AUGERED  HAND DUG
- OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 6 INCHES IN DIAMETER

\* DEPTH OF WELL: 32 FEET DEEP

\* WAS ANY CASING REMOVED? YES  NO   
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement @ bent.</u>	<u>32</u>	<u>0</u>

VOLUME OF MATERIAL USED

190 lb cement  
10 lb bent.  
14 gal. H<sub>2</sub>O

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN [Signature]

LICENSE # \_\_\_\_\_

MWD/MSD/MGD 063

CIRCLE ONE

DATE 4/1/02

5074

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/83 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA - -

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Chad Chom

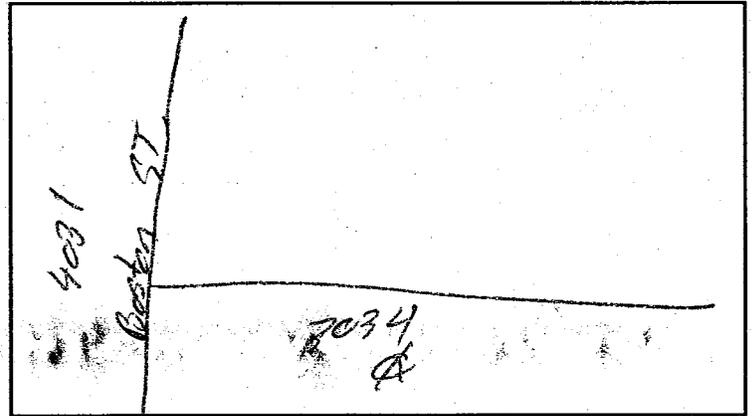
WELL DRILLERS LICENSE NUMBER: 580-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Baltimore City  
 NEAREST TOWN: Capers  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4031  
 NEAREST ROAD: Barker St



\* TYPE OF WELL BEING ABANDONED:

- DRILLED \_\_\_\_\_ JETTED \_\_\_\_\_
- \_\_\_\_\_ BORED/AUGERED \_\_\_\_\_ HAND DUG \_\_\_\_\_
- \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

- \_\_\_\_\_ DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC
- \_\_\_\_\_ IRRIGATION \_\_\_\_\_ INDUSTRIAL
- TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

- \_\_\_\_\_ STEEL \_\_\_\_\_  PLASTIC
- \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 33 FEET DEEP

\* WAS ANY CASING REMOVED? YES \_\_\_\_\_ NO   
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? YES \_\_\_\_\_ NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; Bentonite</u>	<u>33</u>	<u>0</u>

VOLUME OF MATERIAL USED

190 lbs cement  
10 lbs bent.  
14 gal. H<sub>2</sub>O

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN [Signature]

LICENSE # \_\_\_\_\_

MWD/MSD/MGD [Signature]  
CIRCLE ONE

DATE \_\_\_\_\_

\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

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- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/00 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA - -

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Chad Chism

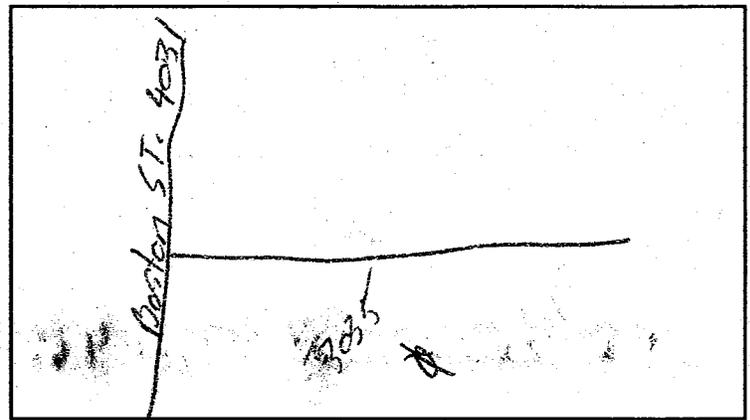
WELL DRILLERS LICENSE NUMBER: 500-0660

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Balt. City  
 NEAREST TOWN: Canton  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: \_\_\_\_\_  
 NEAREST ROAD: Boston ST.



\* TYPE OF WELL BEING ABANDONED:

DRILLED \_\_\_\_\_ JETTED \_\_\_\_\_  
 BORED/AUGERED \_\_\_\_\_ HAND DUG \_\_\_\_\_  
 OTHER (specify) \_\_\_\_\_

\* USE CODE:

\_\_\_\_\_ DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC  
 \_\_\_\_\_ IRRIGATION \_\_\_\_\_ INDUSTRIAL  
 TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

\_\_\_\_\_ STEEL \_\_\_\_\_  PLASTIC  
 \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 29 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES \_\_\_\_\_  NO  
 if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES \_\_\_\_\_  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement @ Bent</u>	<u>29</u>	<u>0</u>

VOLUME OF MATERIAL USED

9415 cement  
 10125 bent.

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

D. [Signature]

LICENSE #

MWD/MSD/MGD 063

CIRCLE ONE

DATE 4/1/00

3038

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA - -

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Chad Chism

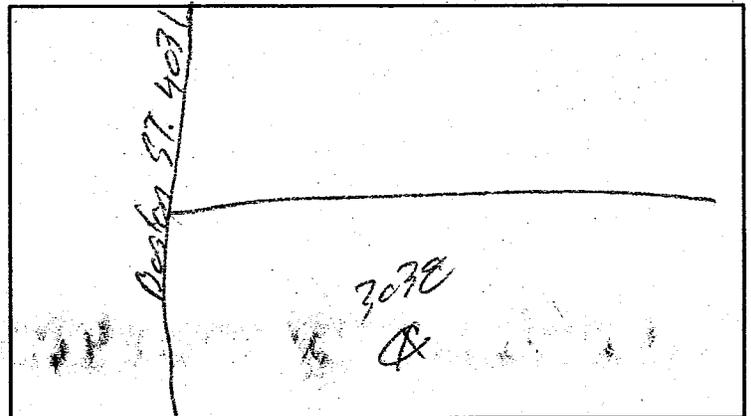
WELL DRILLERS LICENSE NUMBER: JG-D-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Dale City  
 NEAREST TOWN: Canton  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: \_\_\_\_\_  
 NEAREST ROAD: Dexter ST



\* TYPE OF WELL BEING ABANDONED:

DRILLED \_\_\_\_\_ JETTED  
 BORED/AUGERED \_\_\_\_\_ HAND DUG  
 \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

\_\_\_\_\_ DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC  
 IRRIGATION \_\_\_\_\_ INDUSTRIAL  
 TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

\_\_\_\_\_ STEEL \_\_\_\_\_ PLASTIC  
 \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 34 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES  NO  
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Cement @ bent.	36	0

VOLUME OF MATERIAL USED

94 lbs Cement  
 5169 bent.  
 7 gal H<sub>2</sub>O

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

LICENSE #

MWD/MSD/MGD 063

CIRCLE ONE

DATE 4/1/08



\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

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- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA - -

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Chad Christman

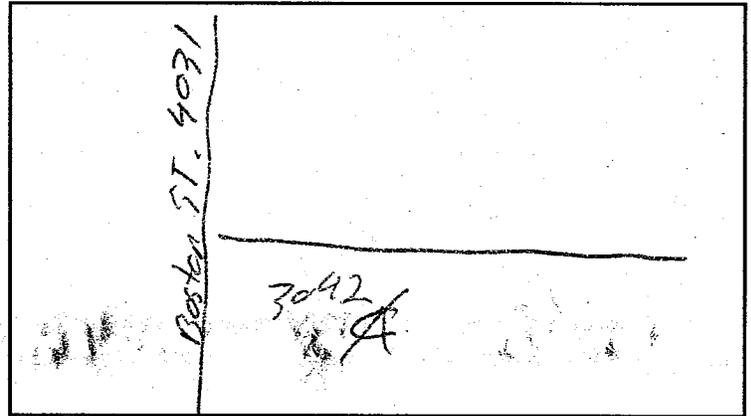
WELL DRILLERS LICENSE NUMBER: \_\_\_\_\_

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Balt. City  
 NEAREST TOWN: Canton  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4031  
 NEAREST ROAD: Becker St.



\* TYPE OF WELL BEING ABANDONED:

DRILLED \_\_\_\_\_ JETTED  
 \_\_\_\_\_ BORED/AUGERED \_\_\_\_\_ HAND DUG  
 \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

\_\_\_\_\_ DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC  
 \_\_\_\_\_ IRRIGATION \_\_\_\_\_ INDUSTRIAL  
 TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

\_\_\_\_\_ STEEL \_\_\_\_\_  PLASTIC  
 \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 28 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES \_\_\_\_\_  NO  
 if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES \_\_\_\_\_  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Cement @ Pentrite	0	28
VOLUME OF MATERIAL USED		
94 lbs Cement 515 Pent 7 gal. H <sub>2</sub> O		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN \_\_\_\_\_

LICENSE # \_\_\_\_\_

CIRCLE ONE

DATE 4/1/08

3044

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA - -

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

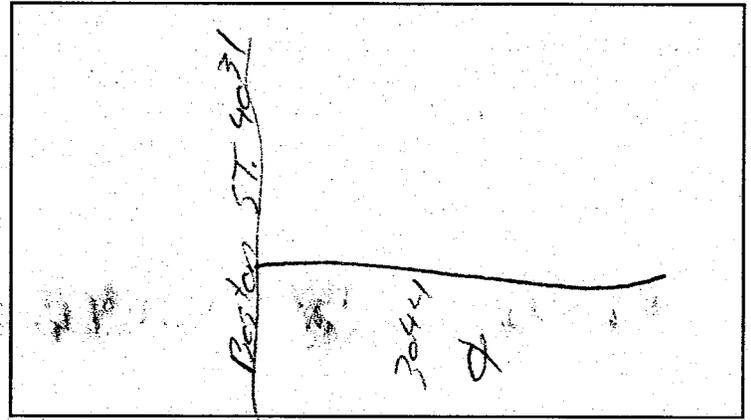
\* PERSON ABANDONING WELL: Charles Ch... ..

WELL DRILLERS LICENSE NUMBER: J80-066  
CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Patt. City  
 NEAREST TOWN: Carlin  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4031  
 NEAREST ROAD: Boston St.



\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED/AUGERED  HAND DUG
- OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 28 FEET DEEP

\* WAS ANY CASING REMOVED?  YES  NO  
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED?  YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement @ Periside</u>	<u>28</u>	<u>0</u>
VOLUME OF MATERIAL USED		
<u>94 lbs cement 5 lbs bent. 7 gal. APC</u>		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN [Signature] LICENSE # \_\_\_\_\_ MWD/MSD/MGD 2063 DATE 4/1/08  
 CIRCLE ONE

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA - -

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Chad Chism

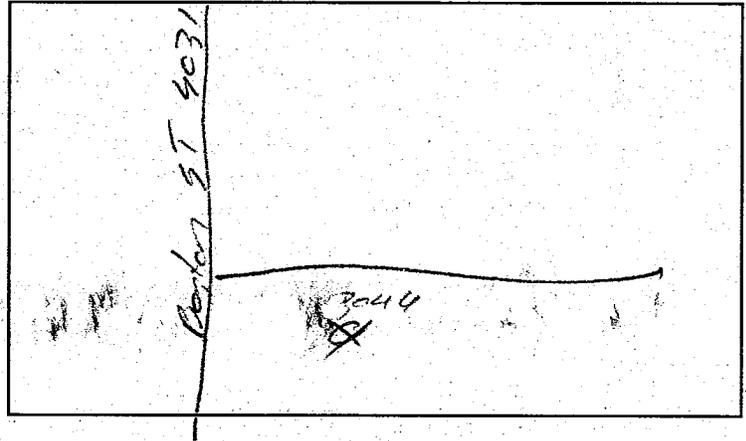
WELL DRILLERS LICENSE NUMBER: 760-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Balt. City  
 NEAREST TOWN: Center  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4031  
 NEAREST ROAD: Dorset St.



\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED/AUGERED  HAND DUG
- OTHER (specify) \_\_\_\_\_

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 30 FEET DEEP

\* WAS ANY CASING REMOVED?  YES  NO  
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED?  YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement Pest.</u>	<u>30</u>	<u>0</u>
VOLUME OF MATERIAL USED		
<u>94 lbs Cement 5 lbs bent. 7 gal. H<sub>2</sub>O</u>		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

LICENSE #

MWD/MSD/MGD 063

CIRCLE ONE

DATE 4/1/08

5098

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA — —

\* PERMIT NUMBER OF REPLACEMENT WELL NA — —

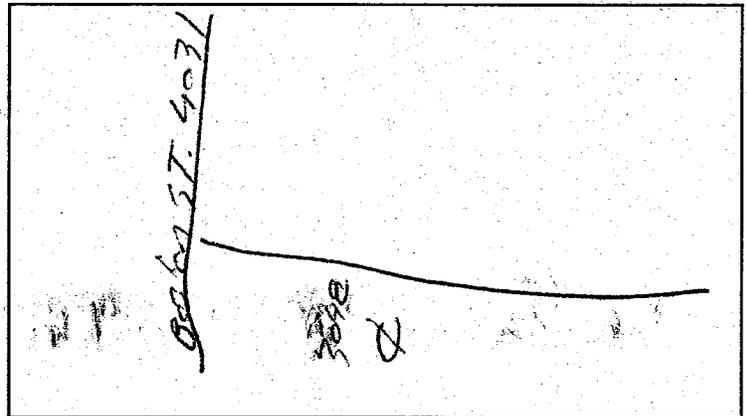
\* PERSON ABANDONING WELL: Chad Christman

WELL DRILLERS LICENSE NUMBER: JGD-016  
CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Balt. City  
 NEAREST TOWN: Center  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4031  
 NEAREST ROAD: Center St.



\* TYPE OF WELL BEING ABANDONED:

DRILLED \_\_\_\_\_ JETTED  
 \_\_\_\_\_ BORED/AUGERED \_\_\_\_\_ HAND DUG  
 \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

\_\_\_\_\_ DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC  
 \_\_\_\_\_ IRRIGATION \_\_\_\_\_ INDUSTRIAL  
 TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

\_\_\_\_\_ STEEL  PLASTIC  
 \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 31 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES  NO  
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; Perlite</u>	<u>21</u>	<u>C</u>

VOLUME OF MATERIAL USED

94 lbs cement  
5 lbs perlite  
7 gal H<sub>2</sub>O

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN \_\_\_\_\_

LICENSE # \_\_\_\_\_

MWD/MSD/MSD 063 4/1/08  
CIRCLE ONE \_\_\_\_\_ DATE



MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/08 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) MA - -

\* PERMIT NUMBER OF REPLACEMENT WELL MA - -

\* PERSON ABANDONING WELL: Chad Chism

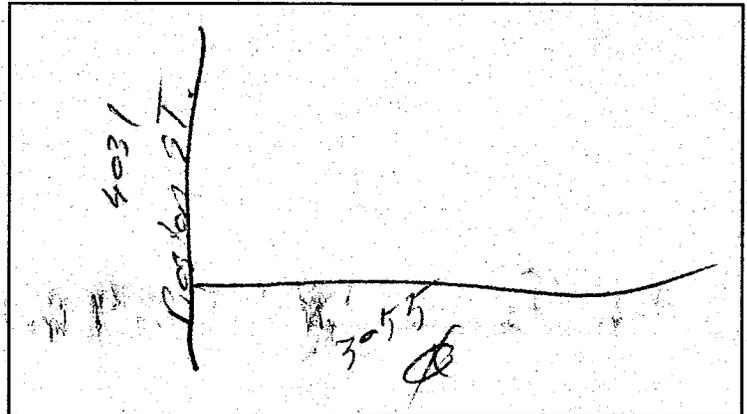
WELL DRILLERS LICENSE NUMBER: 360-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
COUNTY: Balt. City  
NEAREST TOWN: Canton  
TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
SUBDIVISION: \_\_\_\_\_  
SECTION: \_\_\_\_\_ LOT: 4031  
NEAREST ROAD: Porter St.



\* TYPE OF WELL BEING ABANDONED:  
 DRILLED  JETTED  
 BORED/AUGERED  HAND DUG  
 OTHER (specify) \_\_\_\_\_

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; Peat</u>	<u>21</u>	<u>0</u>

\* USE CODE:  
 DOMESTIC  MUNICIPAL/PUBLIC  
 IRRIGATION  INDUSTRIAL  
 TEST/OBSERVATION  GEOTHERMAL

VOLUME OF MATERIAL USED  
50 lbs cement  
2 lbs peat  
3 gal. H<sub>2</sub>O

\* TYPE OF CASING:  
 STEEL  PLASTIC  
 CONCRETE  OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 2 INCHES IN DIAMETER

\* DEPTH OF WELL: 18 FEET DEEP

\* WAS ANY CASING REMOVED?  YES  NO  
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED?  YES  NO

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN [Signature] LICENSE # \_\_\_\_\_ CIRCLE ONE 065 DATE 4/1/08

3040

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 4/1/00 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) NA - -

\* PERMIT NUMBER OF REPLACEMENT WELL NA - -

\* PERSON ABANDONING WELL: Good Chris

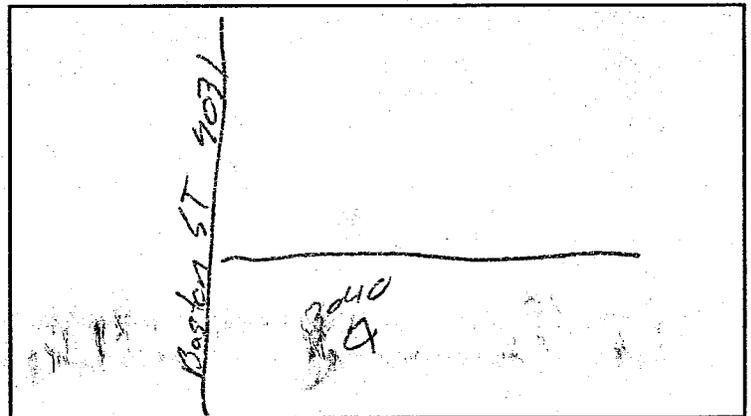
WELL DRILLERS LICENSE NUMBER: 500-066

CIRCLE: MWD/MSD/MGD

\* OWNER'S NAME: Exxon Mobile

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Baltimore City  
 NEAREST TOWN: Center  
 TAX MAP \_\_\_\_\_ BLOCK \_\_\_\_\_ PARCEL \_\_\_\_\_  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: 4071  
 NEAREST ROAD: Boston St.



\* TYPE OF WELL BEING ABANDONED:

DRILLED \_\_\_\_\_ JETTED  
 \_\_\_\_\_ BORED/AUGERED \_\_\_\_\_ HAND DUG  
 \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:

\_\_\_\_\_ DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC  
 \_\_\_\_\_ IRRIGATION \_\_\_\_\_ INDUSTRIAL  
 TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:

\_\_\_\_\_ STEEL  PLASTIC  
 \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* SIZE OF CASING: 4 INCHES IN DIAMETER

\* DEPTH OF WELL: 22 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES  NO  
if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES  NO

D. [Signature]

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement &amp; perlite</u>	<u>22</u>	<u>0</u>

VOLUME OF MATERIAL USED

94.167 cement  
5 lbs bent.  
255.7 gal. H<sub>2</sub>O

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

LICENSE #

MWD/MSD/MGD 063  
4/1/00

CIRCLE ONE

DATE



## APPENDIX C



IT'S ALL IN THE CHEMISTRY

04/09/08



## Technical Report for

Geotrans, Inc.

Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD

2604.049.31

Accutest Job Number: J86327

Sampling Date: 03/18/08

Report to:

Geotrans, Inc.

bchang@geotransinc.com

ATTN: Belssi Chang

Total number of pages in report: 15



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Vincent J. Pugliese  
President

Client Service contact: Matt Cordova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.

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## Sample Summary

Geotrans, Inc.

Job No: J86327

Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD  
Project No: 2604.049.31

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
J86327-1	03/18/08	12:00 CB	03/21/08	SO	Soil	14TH STREET COMP

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Soil samples reported on a dry weight basis unless otherwise indicated on result page.



IT'S ALL IN THE CHEMISTRY

### Sample Results

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### Report of Analysis

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### Report of Analysis

<b>Client Sample ID:</b> 14TH STREET COMP	<b>Date Sampled:</b> 03/18/08
<b>Lab Sample ID:</b> J86327-1	<b>Date Received:</b> 03/21/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 81.5
<b>Method:</b> SW846 8260B SW846 1311	
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L226139.D	5	03/28/08	MAH	03/25/08	GP43307	VL5241
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

**VOA TCLP Leachate**

**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.0189	D018	0.50	0.0050	0.0011	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.013	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0015	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0011	mg/l	
67-66-3	Chloroform	0.0044	D022	6.0	0.0050	0.0011	mg/l	JB
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0012	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0015	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0016	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0014	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0014	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0014	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		77-121%
17060-07-0	1,2-Dichloroethane-D4	91%		65-133%
2037-26-5	Toluene-D8	92%		80-117%
460-00-4	4-Bromofluorobenzene	108%		79-124%

ND = Not detected    MDL - Method Detection Limit    J = Indicates an estimated value  
MCL = Maximum Contamination Level (40 CFR 261 6/96)    B = Indicates analyte found in associated method blank  
E = Indicates value exceeds calibration range    N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> 14TH STREET COMP		
<b>Lab Sample ID:</b> J86327-1		<b>Date Sampled:</b> 03/18/08
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 03/21/08
<b>Method:</b> SW846 8270C SW846 3510C		<b>Percent Solids:</b> 81.5
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E13380.D	1	04/03/08	OYA	04/02/08	OP31988	E3E586
Run #2							

Run #	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

**ABN TCLP Leachate**

**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.050	0.014	mg/l	
	3&4-Methylphenol	ND	D024	200	0.050	0.013	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.20	0.019	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.019	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.013	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0018	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0086	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0054	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.020	0.0018	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0028	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0042	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0064	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		10-69%
4165-62-2	Phenol-d5	35%		10-52%
118-79-6	2,4,6-Tribromophenol	104%		33-125%
4165-60-0	Nitrobenzene-d5	69%		27-120%
321-60-8	2-Fluorobiphenyl	67%		31-111%
1718-51-0	Terphenyl-d14	86%		31-124%

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 MCL = Maximum Contamination Level (40 CFR 261 6/96)      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> 14TH STREET COMP		<b>Date Sampled:</b> 03/18/08
<b>Lab Sample ID:</b> J86327-1		<b>Date Received:</b> 03/21/08
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 81.5
<b>Method:</b> SW846 8015		
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PF64557.D	1	03/25/08	KEM	n/a	n/a	GPF1322
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.6 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	781	15	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	100%		42-141%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> 14TH STREET COMP	<b>Date Sampled:</b> 03/18/08
<b>Lab Sample ID:</b> J86327-1	<b>Date Received:</b> 03/21/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 81.5
<b>Method:</b> SW846 8151 SW846 3510C	
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW72196.D	1	04/03/08	OPM	04/02/08	OP31987	GWW2394
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

**Herbicide TCLP Leachate**

**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0050	0.0033	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0015	0.00034	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	123%		54-141%
19719-28-9	2,4-DCAA	125%		54-141%

ND = Not detected    MDL - Method Detection Limit  
 MCL = Maximum Contamination Level (40 CFR 261 6/96)  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> 14TH STREET COMP	
<b>Lab Sample ID:</b> J86327-1	<b>Date Sampled:</b> 03/18/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 03/21/08
<b>Method:</b> SW846 8081A SW846 3510C	<b>Percent Solids:</b> 81.5
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G27056.D	1	04/02/08	TDR	04/01/08	OP31961	G3G1037
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

**Pesticide TCLP Leachate**

**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.00020	0.000017	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0050	0.00067	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.00020	0.000030	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.00020	0.000026	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.00020	0.000015	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00050	0.000068	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0025	0.00094	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		30-128%
877-09-8	Tetrachloro-m-xylene	74%		30-128%
2051-24-3	Decachlorobiphenyl	78%		10-138%
2051-24-3	Decachlorobiphenyl	85%		10-138%

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 MCL = Maximum Contamination Level (40 CFR 261 6/96)      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> 14TH STREET COMP	
<b>Lab Sample ID:</b> J86327-1	<b>Date Sampled:</b> 03/18/08
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 03/21/08
<b>Method:</b> SW846 8082 SW846 3545	<b>Percent Solids:</b> 81.5
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF72305.D	1	03/29/08	OPM	03/25/08	OP31846	GEF3388
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

**PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	7.7	ug/kg	
11104-28-2	Aroclor 1221	ND	40	24	ug/kg	
11141-16-5	Aroclor 1232	ND	40	22	ug/kg	
53469-21-9	Aroclor 1242	ND	40	13	ug/kg	
12672-29-6	Aroclor 1248	ND	40	14	ug/kg	
11097-69-1	Aroclor 1254	ND	40	19	ug/kg	
11096-82-5	Aroclor 1260	ND	40	8.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		37-140%
877-09-8	Tetrachloro-m-xylene	72%		37-140%
2051-24-3	Decachlorobiphenyl	76%		40-151%
2051-24-3	Decachlorobiphenyl	75%		40-151%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> 14TH STREET COMP		<b>Date Sampled:</b> 03/18/08
<b>Lab Sample ID:</b> J86327-1		<b>Date Received:</b> 03/21/08
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 81.5
<b>Method:</b> SW846-8015 SW846 3545		
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y4460.D	1	04/01/08	PM	03/24/08	OP31833	G3Y154
Run #2	3Y4459.D	1	04/01/08	PM	03/24/08	OP31833	G3Y154

	Initial Weight	Final Volume
Run #1	5.0 g	250 ml
Run #2	5.0 g	10.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	27400	6100	1300	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% <sup>a</sup>	47%	31-152%
16416-32-3	Tetracosane-d50	0% <sup>a</sup>	93%	34-153%
438-22-2	5a-Androstane	0% <sup>a</sup>	130%	36-151%

(a) Outside control limits due to dilution.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

<b>Client Sample ID:</b> 14TH STREET COMP	<b>Date Sampled:</b> 03/18/08
<b>Lab Sample ID:</b> J86327-1	<b>Date Received:</b> 03/21/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 81.5
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD	

## Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	04/01/08	04/01/08	ND	SW846 6010B <sup>2</sup> SW846 3010A <sup>3</sup>
Barium	< 1.0	D005	100	1.0	mg/l	1	04/01/08	04/01/08	ND	SW846 6010B <sup>2</sup> SW846 3010A <sup>3</sup>
Cadmium	< 0.0050	D006	1.0	0.0050	mg/l	1	04/01/08	04/01/08	ND	SW846 6010B <sup>2</sup> SW846 3010A <sup>3</sup>
Chromium	0.33	D007	5.0	0.010	mg/l	1	04/01/08	04/01/08	ND	SW846 6010B <sup>2</sup> SW846 3010A <sup>3</sup>
Lead	< 0.50	D008	5.0	0.50	mg/l	1	04/01/08	04/01/08	ND	SW846 6010B <sup>2</sup> SW846 3010A <sup>3</sup>
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	04/01/08	04/01/08	JW	SW846 7470A <sup>1</sup> SW846 7470A <sup>4</sup>
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	04/01/08	04/01/08	ND	SW846 6010B <sup>2</sup> SW846 3010A <sup>3</sup>
Silver	< 0.010	D011	5.0	0.010	mg/l	1	04/01/08	04/01/08	ND	SW846 6010B <sup>2</sup> SW846 3010A <sup>3</sup>

- (1) Instrument QC Batch: MA20676  
(2) Instrument QC Batch: MA20680  
(3) Prep QC Batch: MP43061  
(4) Prep QC Batch: MP43072

RL = Reporting Limit  
MCL = Maximum Contamination Level (40 CFR 261 6/96)

## Report of Analysis

<b>Client Sample ID:</b> 14TH STREET COMP	<b>Date Sampled:</b> 03/18/08
<b>Lab Sample ID:</b> J86327-1	<b>Date Received:</b> 03/21/08
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 81.5
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.43 NC		su	1	03/28/08	DD	SW846 CHAP7
Cyanide Reactivity	< 6.1	6.1	mg/kg	1	03/31/08 12:03	WP	SW846 CHAP7
Ignitability (Flashpoint)	> 200		Deg. F	1	03/26/08	LMM	SW846 CHAP7/ASTM D93
Petroleum Hydrocarbons <sup>a</sup>	9080	3700	mg/kg	125	04/08/08	JA	EPA 418.1 M
Solids, Percent	81.5		%	1	03/31/08	BR	EPA 160.3 M
Sulfide Reactivity	< 120	120	mg/kg	1	03/31/08	JA	SW846 CHAP7/9034

(a) NJDEP does not offer laboratory accreditation for this compound which excludes it from regulatory reporting use in New Jersey

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RL = Reporting Limit



### Misc. Forms

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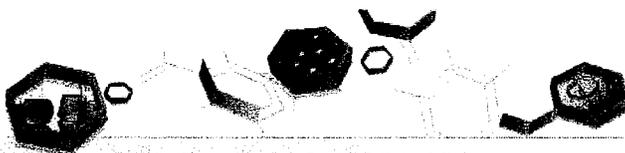
### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody





## Technical Report for

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Geotrans, Inc.

Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD

Accutest Job Number: J93666

Sampling Date: 06/19/08

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Report to:

Geotrans, Inc.

bchang@geotransinc.com

ATTN: Belssi Chang

Total number of pages in report: 13



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

  
Vincent J. Pugliese  
President

Client Service contact: Matt Cordova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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    **3.1: Chain of Custody** ..... 13



## Sample Summary

Geotrans, Inc.

Job No: J93666

Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
J93666-1	06/19/08	13:00 SC	06/20/08	AQ	Water	14TH H2O



Sample Results

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Report of Analysis

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### Report of Analysis

<b>Client Sample ID:</b> 14TH H2O	<b>Date Sampled:</b> 06/19/08
<b>Lab Sample ID:</b> J93666-1	<b>Date Received:</b> 06/20/08
<b>Matrix:</b> AQ - Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B SW846 1311	
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L227524.D	5	06/27/08	MAH	06/23/08	GP44633	VL5311
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

**VOA TCLP Leachate**

**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.0050	0.0013	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.011	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.00088	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.00072	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.00081	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0016	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0017	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0015	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0015	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.00092	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		77-121%
17060-07-0	1,2-Dichloroethane-D4	94%		65-133%
2037-26-5	Toluene-D8	88%		80-117%
460-00-4	4-Bromofluorobenzene	100%		79-124%

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
MCL = Maximum Contamination Level (40 CFR 261 6/96)      B = Indicates analyte found in associated method blank  
E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> 14TH H2O	<b>Date Sampled:</b> 06/19/08
<b>Lab Sample ID:</b> J93666-1	<b>Date Received:</b> 06/20/08
<b>Matrix:</b> AQ - Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270C SW846 3510C	
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R67279.D	1	06/25/08	OYA	06/24/08	OP33383	ER2469
Run #2							

Run #	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

**ABN TCLP Leachate**

**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.050	0.014	mg/l	
	3&4-Methylphenol	ND	D024	200	0.050	0.013	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.20	0.019	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.019	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.013	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0018	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0086	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0054	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.020	0.0018	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0028	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0042	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0064	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		10-69%
4165-62-2	Phenol-d5	23%		10-52%
118-79-6	2,4,6-Tribromophenol	74%		33-125%
4165-60-0	Nitrobenzene-d5	59%		27-120%
321-60-8	2-Fluorobiphenyl	58%		31-111%
1718-51-0	Terphenyl-d14	74%		31-124%

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 MCL = Maximum Contamination Level (40 CFR 261 6/96)      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

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<b>Client Sample ID:</b> 14TH H2O							
<b>Lab Sample ID:</b> J93666-1				<b>Date Sampled:</b> 06/19/08			
<b>Matrix:</b> AQ - Water				<b>Date Received:</b> 06/20/08			
<b>Method:</b> SW846 8151 SW846 3510C				<b>Percent Solids:</b> n/a			
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD							

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	WW74238.D	1	06/27/08	TDR	06/24/08	OP33387	GWW2476
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

## Herbicide TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.0050	0.0033	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.0015	0.00034	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	97%		54-141%
19719-28-9	2,4-DCAA	91%		54-141%

ND = Not detected MDL - Method Detection Limit  
MCL = Maximum Contamination Level (40 CFR 261.6/96)  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> 14TH H2O		<b>Date Sampled:</b> 06/19/08
<b>Lab Sample ID:</b> J93666-1		<b>Date Received:</b> 06/20/08
<b>Matrix:</b> AQ - Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8081A SW846 3510C		
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX78030.D	1	06/26/08	JSE	06/25/08	OP33384	GXX3174
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

**Pesticide TCLP Leachate**

**TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.00020	0.000017	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0050	0.00067	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.00020	0.000030	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.00020	0.000026	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.00020	0.000015	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.00050	0.000068	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.0025	0.00094	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		30-128%
877-09-8	Tetrachloro-m-xylene	73%		30-128%
2051-24-3	Decachlorobiphenyl	79%		10-138%
2051-24-3	Decachlorobiphenyl	77%		10-138%

ND = Not detected MDL - Method Detection Limit  
 MCL = Maximum Contamination Level (40 CFR 261 6/96)  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> 14TH H2O	<b>Date Sampled:</b> 06/19/08
<b>Lab Sample ID:</b> J93666-1	<b>Date Received:</b> 06/20/08
<b>Matrix:</b> AQ - Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8082 SW846 3510C	
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF74376.D	1	06/24/08	OPM	06/22/08	OP33337	GEF3461
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

**PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.094	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.47	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.39	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.16	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.11	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		38-133%
877-09-8	Tetrachloro-m-xylene	86%		38-133%
2051-24-3	Decachlorobiphenyl	61%		18-156%
2051-24-3	Decachlorobiphenyl	64%		18-156%

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ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

Page 1 of 1

<b>Client Sample ID:</b> 14TH H2O	<b>Date Sampled:</b> 06/19/08
<b>Lab Sample ID:</b> J93666-1	<b>Date Received:</b> 06/20/08
<b>Matrix:</b> AQ - Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD	

## Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	06/24/08	06/24/08 ND	SW846 6010B <sup>2</sup>	SW846 3010A <sup>3</sup>
Barium	< 0.20	D005	100	0.20	mg/l	1	06/24/08	06/24/08 ND	SW846 6010B <sup>2</sup>	SW846 3010A <sup>3</sup>
Cadmium	< 0.0040	D006	1.0	0.0040	mg/l	1	06/24/08	06/24/08 ND	SW846 6010B <sup>2</sup>	SW846 3010A <sup>3</sup>
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	06/24/08	06/24/08 ND	SW846 6010B <sup>2</sup>	SW846 3010A <sup>3</sup>
Lead	< 0.50	D008	5.0	0.50	mg/l	1	06/24/08	06/24/08 ND	SW846 6010B <sup>2</sup>	SW846 3010A <sup>3</sup>
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	06/24/08	06/24/08 JW	SW846 7470A <sup>1</sup>	SW846 7470A <sup>4</sup>
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	06/24/08	06/24/08 ND	SW846 6010B <sup>2</sup>	SW846 3010A <sup>3</sup>
Silver	< 0.010	D011	5.0	0.010	mg/l	1	06/24/08	06/24/08 ND	SW846 6010B <sup>2</sup>	SW846 3010A <sup>3</sup>

- (1) Instrument QC Batch: MA21061  
(2) Instrument QC Batch: MA21063  
(3) Prep QC Batch: MP44092  
(4) Prep QC Batch: MP44094

RL = Reporting Limit  
MCL = Maximum Contamination Level (40 CFR 261 6/96)

## Report of Analysis

<b>Client Sample ID:</b> 14TH H2O	<b>Date Sampled:</b> 06/19/08
<b>Lab Sample ID:</b> J93666-1	<b>Date Received:</b> 06/20/08
<b>Matrix:</b> AQ - Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Exxon Mobil Baltimore Terminal, 3801 Boston Street, Baltimore, MD	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.34 NC		su	1	06/27/08	RS	SW846 CHAP7
Cyanide Reactivity	< 5.0	5.0	mg/l	1	07/01/08 15:18	AE	SW846 CHAP7
Ignitability (Flashpoint)	> 200		Deg. F	1	06/23/08	LMM	SW846 1010/ASTM D93
Petroleum Hydrocarbons	2.2	0.54	mg/l	1	06/27/08	KD	EPA 418.1
Sulfide Reactivity	< 100	100	mg/l	1	06/24/08	ST	SW846 CHAP7/9034

RL = Reporting Limit



## Misc. Forms

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## Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody

