APPENDIX A

SAMPLE COLLECTION LOGS AND ANALYSIS REQUEST/CHAIN OF CUSTODY RECORDS

SAMPLE COLLECTION LOGS

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP02
Sample Number: CY0002
Sample Name: FTA-145-GP02-SS-CY0002-REG
Sampling Method: DP

Collection Date: 10/1/98
Collection Time: 0835
Start Depth: 0
End Depth: 1

Sample Team: R. McBride
D. Peterman

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES	N	B	1	8	oz	CWM

Comments: 77ppm collected w/ Hand Auger

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP03
Sample Number: CY0004
Sample Name: FTA-145-GP03-SS-CY0004-REG
Sampling Method: DP

Collection Date: 10-1-98
Collection Time: 1530

Start Depth: Ø
End Depth: 1

Sample Team: _____

Analytical Suite	Containers Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: HA, Asphalt

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP04
Sample Number: CY0006
Sample Name: FTA-145-GP04-SS-CY0006-REG
Sampling Method: DP

Collection Date: 10-1-98
Collection Time: 1555

Start Depth: Ø
End Depth: 1

Sample Team: _____

Analytical Suite	Containers Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: HA. Asphalt

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**
Manager: **Jeanie Yacoub**

RFA / COC Number: _____

Site: **Former Motor Pool Area 1800/1900 (Parcels**
Location Code: **FTA-145-GP05**
Sample Number: **CY0008**
Sample Name: **FTA-145-GP05-SS-CY0008-REG**
Sampling Method: **DP**

Collection Date: 100298
Collection Time: 0920

Start Depth: 0
End Depth: 1

Sample Team: McSnug
Poorman

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES	N	B	1	8	oz	CWM

Comments: SS H.A.

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP06
Sample Number: CY0010
Sample Name: FTA-145-GP06-SS-CY0010-REG
Sampling Method: DP

Collection Date: 10-1-98
Collection Time: 1510

Start Depth: 0
End Depth: 1

Sample Team: _____

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: HA. Moved FS/FD To GP

Sketch Location:

Logged BY / Date: _____

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP07
Sample Number: CY0014
Sample Name: FTA-145-GP07-SS-CY0014-REG
Sampling Method: DP

Collection Date: 100198
Collection Time: 1625

Start Depth: 0
End Depth: 1

Sample Team: MSAmar
Potoman

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: Collected w/ SS H.A.

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP07
Sample Number: CY0014-MS
Sample Name: FTA-145-GP07-SS-CY0014-MS
Sampling Method: DP

Collection Date: 100198
Collection Time: 1625

Start Depth: 0
End Depth: 1

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Sample Team: R. McBride
P. Peterman

Comments: Collected w/ SS HA

Sketch Location:

Logged BY / Date: _____

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP07
Sample Number: CY0014-MSD
Sample Name: FTA-145-GP07-SS-CY0014-MSD
Sampling Method: DP

Collection Date: 100198
Collection Time: 1625

Start Depth: 0
End Depth: 1

Sample Team: R. McBride
D. Peterman

Analytical Suite	Flt	Frtn	Containers Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: collected w/ SS HA

Sketch Location:

Logged BY / Date: _____

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Motor Pool Area 1800/1900 (Parcels**

Location Code: **FTA-145-GP08**

Sample Number: **CY0016**

Sample Name: **FTA-145-GP08-SS-CY0016-REG**

Sampling Method: **DP**

Collection Date: 100298

Collection Time: 0950

Start Depth: 0

End Depth: 1

Sample Team: McAdams, Peterman

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: Cou. w/ SS N.A.

Sketch Location:

Logged BY / Date: _____

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP09
Sample Number: CY0018
Sample Name: FTA-145-GP09-SS-CY0018-REG
Sampling Method: DP

Collection Date: 100298
Collection Time: 0850

Start Depth: 0
End Depth: 1

Sample Team: McAmos
Peterman

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: SS HAND AUGER

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP12
Sample Number: CY0025
Sample Name: FTA-145-GP12-SS-CY0025-REG
Sampling Method: DP

Collection Date: 100298
Collection Time: 0820

Start Depth: 0
End Depth: 1

Sample Team: MSchmidt
Potomian

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: SS Hand Auger

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 500-121099-05k

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP13
Sample Number: CY0030
Sample Name: FTA-145-GP13-SS-CY0030-REG
Sampling Method: DP

Collection Date: 12/10/99
Collection Time: 0940
Start Depth: 0
End Depth: 1

Sample Team: James Dendy
Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: PID=0.0

Sketch Location:

See Sample CY0032

Logged BY / Date: 12/10/99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-121099-CCSK

Site: Former Motor Pool Area 1800/1900 (Parcels

Location Code: FTA-145-GP14

Collection Date: 12/10/99

Collection Time: 0955

Sample Number: CY0032

Sample Name: FTA-145-GP14-SS-CY0032-REG

Start Depth: 0

End Depth: 1

Sampling Method: DP

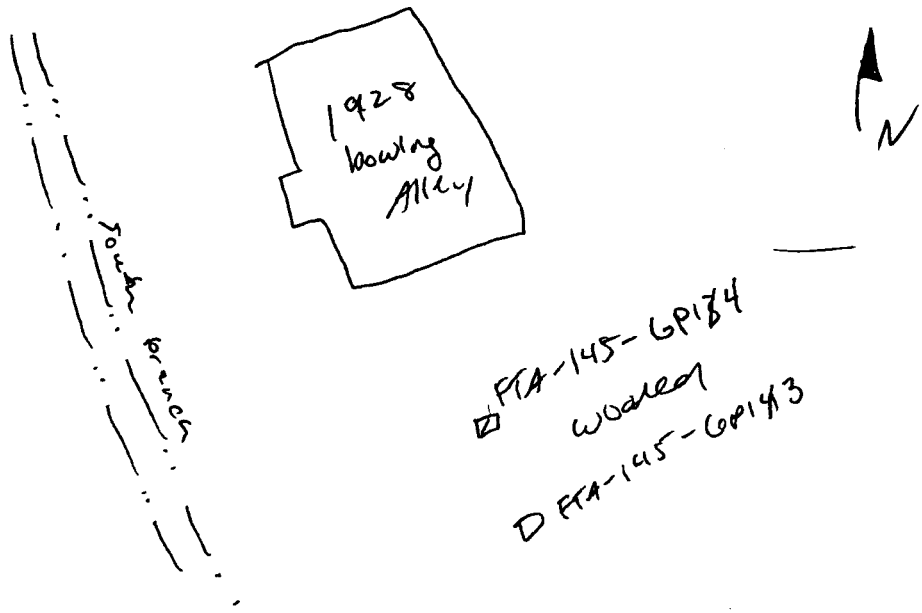
Sample Team: Bill Hudson, James Dendy

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: PFD=0.0

Sketch Location:



Logged BY / Date: James Dendy 12/10/99

Reviewed BY / Date: 12/11/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-DEP01
Sample Number: CY0027
Sample Name: FTA-145-DEP01-DEP-CY0027-REG
Sampling Method: DP

Collection Date: 11/9/98
Collection Time: 1615

Start Depth: 0
End Depth: 1'

Sample Team: G. Crowe, O. Allen

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: Surface Sediment

Sketch Location:

See DEP02

Logged BY / Date: _____

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Motor Pool Area 1800/1900 (Parcels**

Location Code: **FTA-145-DEP02**

Sample Number: **CY0028**

Sample Name: **FTA-145-DEP02-DEP-CY0028-REG**

Sampling Method: **DP**

Collection Date: 11/9/98

Collection Time: 1620

Start Depth: 0

End Depth: 1'

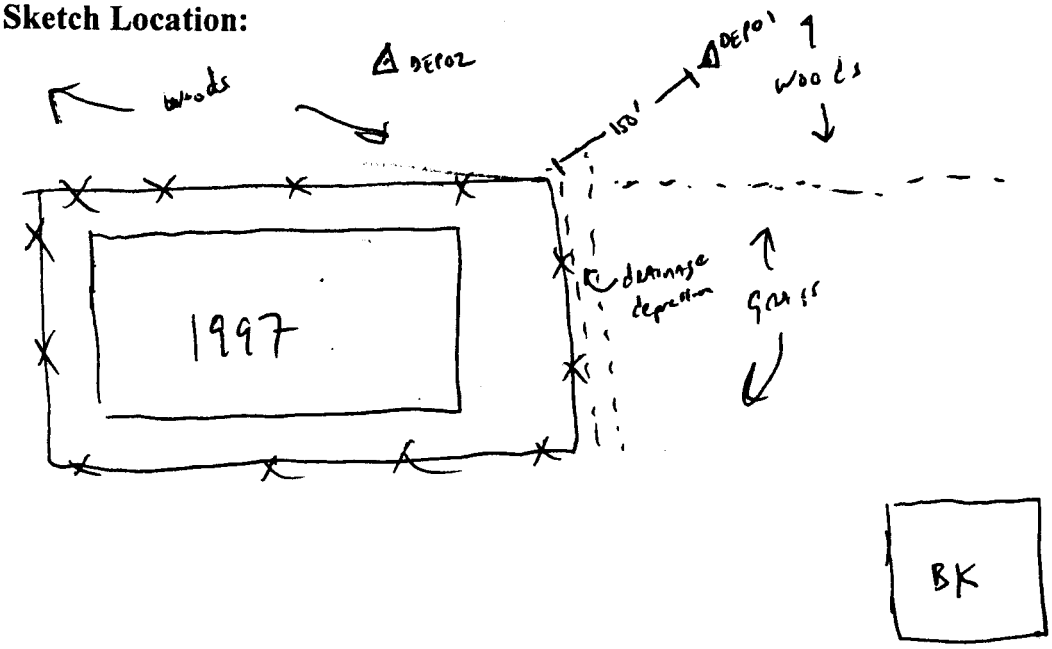
Sample Team: G. Crowe, O. Allen

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: Surface Sediment

Sketch Location:



Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP01
Sample Number: CY0001
Sample Name: FTA-145-GP01-DS-CY0001-REG
Sampling Method: DP

Collection Date: 10/1/98
Collection Time: 0930

Start Depth: 4
End Depth: 8

Sample Team: R. McBride
D. Peterman

Analytical Suite	Flt	Frtn	Containers Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: PID 101ppm

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Motor Pool Area 1800/1900 (Parcels**
Location Code: **FTA-145-GP02**
Sample Number: **CY0003**
Sample Name: **FTA-145-GP02-DS-CY0003-REG**
Sampling Method: **DP**

Collection Date: 10/1/98
Collection Time: 0850

Start Depth: 1
End Depth: 5

Sample Team: R. McBride
D. Peterman

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: 98 ppm

Sketch Location:

Logged BY / Date: _____

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP03
Sample Number: CY0005
Sample Name: FTA-145-GP03-DS-CY0005-REG
Sampling Method: DP

Collection Date: 10-1-98
Collection Time: 1540

Start Depth: 5
End Depth: 8

Sample Team: _____

Analytical Suite	Flt	Frtn	Containers Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: _____

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP04
Sample Number: CY0007
Sample Name: FTA-145-GP04-DS-CY0007-REG
Sampling Method: DP

Collection Date: 10-1-98
Collection Time: 1605
Start Depth: 1
End Depth: 6

Sample Team: _____

Analytical Suite	Flt	Frtn	Containers Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: _____

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Motor Pool Area 1800/1900 (Parcels**
Location Code: **FTA-145-GP05**
Sample Number: **CY0009**
Sample Name: **FTA-145-GP05-DS-CY0009-REG**
Sampling Method: **DP**

Collection Date: 100298
Collection Time: 0930

Start Depth: 5
End Depth: 8

Sample Team: McDonnell
Peterman

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: _____

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP06
Sample Number: CY0013
Sample Name: FTA-145-GP06-DS-CY0013-REG
Sampling Method: DP

Collection Date: 10-1-98
Collection Time: 1515

Start Depth: 1
End Depth: 5

Sample Team: _____

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: _____

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP07
Sample Number: CY0015
Sample Name: FTA-145-GP07-DS-CY0015-REG
Sampling Method: DP

Collection Date: 100198
Collection Time: 1645
Start Depth: 5
End Depth: 9

Sample Team: _____

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: _____

Sketch Location:

Logged BY / Date: _____

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number:

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP08
Sample Number: CY00 29
Sample Name: FTA-145-GP08-DS-CY0029 - FD
Sampling Method: DP

Collection Date: 100298
Collection Time: 1005
Start Depth: 5
End Depth: 9
Sample Team: McAmos, Petermann

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES	N	B	1	8	oz	CWM

Comments: Field Dup of CY0017

Sketch Location:

ADDED FD
"CY0029"
TO THIS LOCATION.

NEED TO ADD A NEW #
& PRINT NEW LABELS.

Logged BY / Date:

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP09
Sample Number: CY0019
Sample Name: FTA-145-GP09-DS-CY0019-REG
Sampling Method: DP

Collection Date: 100298
Collection Time: 0900
Start Depth: 1
End Depth: 5

Sample Team: McDonnell
Pedonnard

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: _____

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP10
Sample Number: CY0021
Sample Name: FTA-145-GP10-DS-CY0021-REG
Sampling Method: DP

Collection Date: 10-1-98
Collection Time: 1420
Start Depth: 0
End Depth: 1

Sample Team: _____

Analytical Suite	Flt	Frtn	Containers Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: HA SS

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP10
Sample Number: CY0022
Sample Name: FTA-145-GP10-DS-CY0022-FD
Sampling Method: DP

Collection Date: 10-1-98
Collection Time: 1435

Start Depth: 1
End Depth: 5

Sample Team: _____

Analytical Suite	Flt	Frtn	Containers Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: _____

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP10
Sample Number: CY0023
Sample Name: FTA-145-GP10-DS-CY0023-FS
Sampling Method: DP

Collection Date: _____
Collection Time: _____
Start Depth: _____
End Depth: _____

Sample Team: _____

Analytical Suite	Flt	Frtn	Containers Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: NOT COLLECTED

Not Collected

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Motor Pool Area 1800/1900 (Parcels**
Location Code: **FTA-145-GP11**
Sample Number: **CY0024**
Sample Name: **FTA-145-GP11-DS-CY0024-REG**
Sampling Method: **DP**

Collection Date: 10/1/98
Collection Time: 0910

Start Depth: 4
End Depth: 8

Sample Team: R. McBride
D. Petermen

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: 78 ppm on the PID

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Motor Pool Area 1800/1900 (Parcels**
Location Code: **FTA-145-GP12**
Sample Number: **CY0026**
Sample Name: **FTA-145-GP12-DS-CY0026-REG**
Sampling Method: **DP**

Collection Date: 100298
Collection Time: 0830

Start Depth: 5
End Depth: 7

Sample Team: McSomar
Potsman

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: _____

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-121099-051

Site: Former Motor Pool Area 1800/1900 (Parcels

Location Code: FTA-145-GP13

Sample Number: CY0031

Sample Name: FTA-145-GP13-DS-CY0031-REG

Sampling Method: DP

Collection Date: 12/10/99

Collection Time: 0950

Start Depth: 1

End Depth: 2

Sample Team: James Dendy, Bill Henderson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: refusal at 2.0' bgs. PID=0.0

Sketch Location:

See sample CY0032

Logged BY / Date: [signature] 12/10/99

Reviewed BY / Date: [signature] 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 500-121099-Qsk

Site: **Former Motor Pool Area 1800/1900 (Parcels**

Location Code: **FTA-145-GP14**

Sample Number: **CY0033**

Sample Name: **FTA-145-GP14-DS-CY0033-REG**

Sampling Method: **DP**

Collection Date: 12/10/99

Collection Time: 1010

Start Depth: 1

End Depth: 2

Sample Team: James Dendy, Bill Hudson

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: PID=0.0 presual at 2.0' bgs

Sketch Location:

See sample CY0032

Logged BY / Date: James Dendy 12/10/99

Reviewed BY / Date: 12/14/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 780567 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 48-160399-QST

Site: **Underground Storage Tanks (Parcel 48)**
Location Code: **UST-48-MW01**
Sample Number: **CJ0051**
Sample Name: **UST-48-MW01-DS-CJ0051-REG**
Sampling Method: **DP**

Collection Date: 11/03/99
Collection Time: 1210

Start Depth: 8
End Depth: 11

Sample Team: James Denny

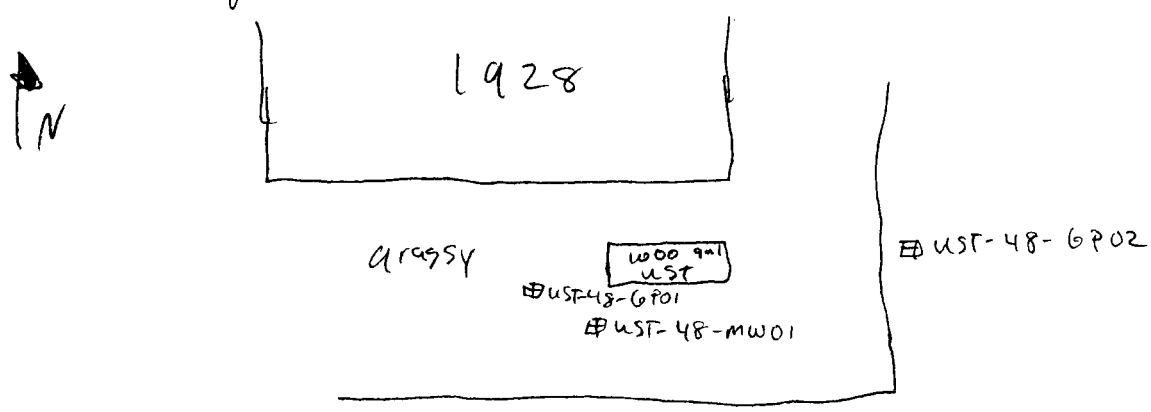
ERPIMS Values:
Sacode:
Lot Control#:
Sample Matrix:

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
LEAD	N	A	1	8	oz	CWM
LEAD	N	A	1	8	oz	CWM
PAH	N	A	1	8	oz	CWM
PAH	N	A	1	8	oz	CWM
BTEX	N	B	3	5	g	EnCore
BTEX	N	B	3	5	g	EnCore

Comments: PID=0.0

Sketch Location: Bowling alley parcel 48.



Logged BY / Date: for James Denny

Reviewed BY / Date: 11/22/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 780567 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 48 - 110399 - QST

Site: **Underground Storage Tanks (Parcel 48)**
Location Code: **UST-48-GP01**
Sample Number: **CJ0052**
Sample Name: **UST-48-GP01-DS-CJ0052-REG**
Sampling Method: **DP**

Collection Date: 11/03/99
Collection Time: ~~1100~~ 1140
Start Depth: 10
End Depth: 12
Sample Team: James Dendy

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
LEAD	N	A	1	8	oz	CWM
LEAD	N	A	1	8	oz	CWM
PAH	N	A	1	8	oz	CWM
PAH	N	A	1	8	oz	CWM
BTEX	N	B	3	5	g	EnCore
BTEX	N	B	3	5	g	EnCore

ERPIMS Values:
Sacode:
Lot Control#:
Sample Matrix:

Comments: PID = 0.0

Sketch Location:
See Sample # CJ0051

Logged BY / Date: 11/03/99

Reviewed BY / Date: 11/03/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 780567 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 48-110399-QST

Site: **Underground Storage Tanks (Parcel 48)**
Location Code: **UST-48-GP01**
Sample Number: **CJ0053**
Sample Name: **UST-48-GP01-DS-CJ0053-FD**
Sampling Method: **DP**

Collection Date: 11/03/99
Collection Time: ~~1100~~ 1140

Start Depth: 10
End Depth: 12

Sample Team: James Dendy

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
LEAD	N	A	1	8	oz	CWM
LEAD	N	A	1	8	oz	CWM
PAH	N	A	1	8	oz	CWM
PAH	N	A	1	8	oz	CWM
BTEX	N	B	3	5	g	EnCore
BTEX	N	B	3	5	g	EnCore

ERPIMS Values:

Sacode:
Lot Control#:
Sample Matrix:

Comments: PID = 0.0

Sketch Location:

See sample CJ0051

Logged BY / Date: James Dendy 11/03/99

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 780567 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 48-110399-QST

Site: **Underground Storage Tanks (Parcel 48)**
Location Code: **UST-48-GP02**
Sample Number: **CJ0054**
Sample Name: **UST-48-GP02-DS-CJ0054-REG**
Sampling Method: **DP**

Collection Date: 11/03/99
Collection Time: 1100

Start Depth: 10
End Depth: 12

Sample Team: James Deady

ERPIMS Values:
Sacode:
Lot Control#:
Sample Matrix:

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
LEAD	N	A	1	8	oz	CWM
LEAD	N	A	1	8	oz	CWM
PAH	N	A	1	8	oz	CWM
PAH	N	A	1	8	oz	CWM
BTEX	N	B	3	5	g	EnCore
BTEX	N	B	3	5	g	EnCore

Comments: PID=0.0

Sketch Location:

See Sample # CJ0051

Logged BY / Date: 11/03/99

Reviewed BY / Date: 11/03/99

INTERNATIONAL TECHNOLOGY CORPORATION

ENTERED 3/25/99 by Sm

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number:

Site: Former Motor Pool Area 1800/1900 (Parcels

Location Code: FTA-145-GP02

Sample Number: CY3001

Sample Name: FTA-145-GP02-GW-CY3001-REG

Sampling Method: ~~PP~~ SP

Collection Date: 01-07-98

Collection Time: 1440

Start Depth: NA

End Depth: NA

Sample Team: J. Brown, S. Smith

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
	1356	7.68	120	6.32	3.6	0.0 ①	6.9	12.13	0
	1400	6.46	121	6.34	3.6	0.0 ①	6.66	13.82	1.5
	1408	8.00	120	6.37	3.9	0.0 ①	6.78	15.09	3.0
	1415	8.92	124	6.38	3.9	0.0 ①	7.14	16.01	6.0
	1425	9.24	121	6.36	4.1	0.0 ①	7.11	16.98	9.0
	1435	9.61	122	6.36	4.0	0.0 ①	6.13	17.48	12.0
Sample:									

① Upon visual inspection purge water is >>1000 NTUs. Metals and volatiles preserved to pH<2.

PID = not taken due to instrument failure.

Logged BY / Date: [signature]

Reviewed BY / Date:

ENTERED 3/25/99 by sm

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number:

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP03
Sample Number: CY3002
Sample Name: FTA-145-GP03-GW-CY3002-REG
Sampling Method: ~~PP~~ Fultz Pump

Collection Date: 1/4/99
Collection Time: 1510
Start Depth: N/A
End Depth: N/A

Sample Team: J. Brown, T. Mullins

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PID - 2.9 Metals + Volatiles pH < 2

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
	1419	3.7	-65	7.06	242.8	611.2	0.98	17.08	0.5
	1429	2.9	-77	7.08	258.2	436.1	0.28	17.58	3.0
	1434	3.04	-67	7.14	261.1	101.4	0.47	18.44	6.0
	1442	3.3	-92	7.13	260.1	707.1	0.17	18.53	9.0
	1450	3.51	-91	7.14	261.4	930.1	0.21	18.48	12.0
	1504	3.40	-88	7.16	260.1	1000	0.26	17.48	15.0
Sample:									

Logged BY / Date: TM 1/4/99

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

7/13/99 by JM

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number: 145-062899-QSK

Site: Former Motor Pool Area 1800/1900 (Parcels

Location Code: FTA-145-GP03

Sample Number: CY3002R

Sample Name: FTA-145-GP03-GW-CY3002-REG

Sampling Method: ~~PP~~ GP

Collection Date: 06/28/99

Collection Time: 1145

Start Depth: NA

End Depth: NA

Sample Team: D. Ninbo-
J. Brow-.

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
~~SEMIVOLATILES_~~	~~N~~	~~B~~	~~1~~	~~1~~	~~L~~	~~Amb. Glass~~
~~METALS_W~~	~~N~~	~~C~~	~~1~~	~~1~~	~~L~~	~~HDPE~~

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity ~~(mS/cm)~~ µS/cm	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
	1048	0.81	184	6.52	322.0	59.6	3.38	25.20	0.5
	1100	1.20	-95	7.08	324.2	152.1	0.32	21.13	3.1
	1113	1.40	-102	7.10	323.4	117.1	0.21	20.98	6.2
	1126	1.60	-103	7.09	323.2	54.6	0.16	20.97	9.3
	1138	1.70	-103	7.08	323.4	8.8	0.15	21.18	12.4
Sample:									

Logged BY / Date: 06/28/99

Reviewed BY / Date: AW 6/28/99

INTERNATIONAL TECHNOLOGY CORPORATION

ENTERED 3/25/99 by sm

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number:

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP04
Sample Number: CY3003
Sample Name: FTA-145-GP04-GW-CY3003-REG
Sampling Method: ~~PP~~ Fultz Pump

Collection Date: 1/4/99
Collection Time: 1315
Start Depth: N/A
End Depth: N/A

Sample Team: J. Brown, T. Mullins

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PID - 0.5 Background 0.0 Metals & Volatiles pH<2

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
	1236	7.3	-35	6.75	417.8	379.2	1.20	14.82	0.5
	1241	7.5	-85	6.97	414.2	452.1	0.41	18.47	3.5
	1249	7.7	-104	7.03	392.2	167.1	0.15	18.77	7.0
	1258	7.82	-116	7.07	374.5	152.0	0.11	18.77	10.5
	1307	8.30	-128	7.10	348.1	0.0	0.07	19.10	14.0
	1312	8.30	-127	7.10	365.2	52.0	0.07	19.17	15.5
Sample:									

Logged BY / Date: Jm 1/4/99 *Reviewed BY / Date:*

ENTERED 3/25/99 by SW

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels

Location Code: FTA-145-GP05

Sample Number: CY3004

Sample Name: FTA-145-GP05-GW-CY3004-REG

Sampling Method: ~~PP~~ SP

Collection Date: 12-17-98

Collection Time: 1350

Start Depth: NA

End Depth: NA

Sample Team: T. Mullins, J. Brown

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
12-17-98	1303	10.38	126	7.35	324.4	>1000	2.14	15.31	0.5
	1310	10.50	91	7.53	341.0	>1000	1.77	17.22	2.25
	1317	10.81	16	7.44	346.0	413.6	1.63	17.69	4.75
	1323	11.50	16	7.41	351.4	519.6	1.89	17.80	6.50
	1336	11.98	-5	7.48	344.3	>1000	1.99	17.87	8.25
	1346	13.58	-48	7.47	343.6	477.8	2.08	18.20	11.25
Sample:									

Metals and volatiles preserved to pH < 2. pH checked with pH strips.

Logged BY / Date: [signature] 12-17-98

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

ENTERED 3/25/99 by sm

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP06
Sample Number: CY3005
Sample Name: FTA-145-GP06-GW-CY3005-REG
Sampling Method: ~~PP~~ SP

Collection Date: 1/12/99
Collection Time: 1135

Start Depth: N/A
End Depth: N/A

Sample Team: S. Smith, J. Mullins

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PID 1.5 Volatiles and metals < pH2

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
1/12	1119	8.91	97	6.72	595.4	>1000	4.21	15.71	1.5
1/12	1123	10.65	113	6.77	629.5	>1000	2.35	15.63	3.0
1/12	1125	11.73	102	6.83	678.1	806.8	1.57	15.96	4.5
1/12	1129	12.50	45	6.72	603.1	>1000	1.09	16.78	5.5
Sample:									

Logged BY / Date: TM 1/12/99 *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP06
Sample Number: CY3006
Sample Name: FTA-145-GP06-GW-CY3006-FD
Sampling Method: PP

Collection Date: 1/12/99
Collection Time: 1135

Start Depth: N/A
End Depth: N/A

Sample Team: S. Smith
T. Mullins

Analytical Suite	Flt	Frtn	Containers Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
	See Log CY3005-Reg								
Sample:									

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP06
Sample Number: CY3007
Sample Name: FTA-145-GP06-GW-CY3007-FS
Sampling Method: PP

Collection Date: 1/12/99
Collection Time: 1135

Start Depth: N/A
End Depth: N/A

Sample Team: S. Smith
T. Mullins

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
	See log		Cy 3005	-Reg					
Sample:									

Logged BY / Date: TM 1/12/99

Reviewed BY / Date: _____

ENTERED 3/25/99 by Sm

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP07
Sample Number: CY3008
Sample Name: FTA-145-GP07-GW-CY3008-REG
Sampling Method: ~~PP~~ SP

Collection Date: 12-17-98
Collection Time: 1530

Start Depth: NA
End Depth: NA

Sample Team: T. Mullins, J. Brown

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
12-17-98	1451	8.0	75	6.91	440.3	363.3	3.15	15.93	0.5
	1454	10.80	33	7.17	472.8	210.5	3.06	19.46	2.0
	1457	11.44	10	7.18	476.1	310.6	2.11	19.91	4.0
	1502	12.30	-20	7.14	491.8	598.7	2.58	20.19	6.0
	1507	12.88	-37	7.18	483.2	265.9	2.01	20.29	8.0
	1513	13.37	-49	7.19	481.6	100.4	1.45	20.33	10.5
	1526	12.90	-67	7.18	476.1	15.9	0.76	20.15	15.0
Sample:									

Volatiles and Metals preserved to a pH<2.
pH tested w pH paper.

Logged BY / Date: [signature] 12-17-98

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP07
Sample Number: CY3008-MS
Sample Name: FTA-145-GP07-GW-CY3008-MS
Sampling Method: ~~PP~~ SP

Collection Date: 12-17-98
Collection Time: ~~1212~~ 1530
Start Depth: NA
End Depth: NA

Sample Team: T. Mullins, J. Brown

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES 3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
		See CY3008-12EG log.							
Sample:									

Logged BY / Date: [signature]

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Motor Pool Area 1800/1900 (Parcels**

Location Code: **FTA-145-GP07**

Sample Number: **CY3008-MSD**

Sample Name: **FTA-145-GP07-GW-CY3008-MSD**

Sampling Method: ~~PP~~ SP

Collection Date: 12-17-98

Collection Time: 1530

Start Depth: NA

End Depth: NA

Sample Team: T. Mullins, T. Brown

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
		See CY3008-RGG sample collection log							
Sample:									

Logged BY / Date: [signature] 12-17-98

Reviewed BY / Date: _____

ENTERED 3/25/99 by Sm

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP08
Sample Number: CY3009
Sample Name: FTA-145-GP08-GW-CY3009-REG
Sampling Method: PP

Collection Date: 1-7-98
Collection Time: 1630
Start Depth: NA
End Depth: NA

Sample Team: S. Smith, J. Brown

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
	1541	10.49	110	7.19	334.4	78	3.62	17.42	1.5
	1544	10.50	86	7.30	332.4	319.7	2.47	18.85	2.0
	1550	13.71	-10	7.32	326.6	401.3	1.05	19.88	4.0
	1558	13.96	-45	7.32	326.6	254.3	0.75	20.08	6.0
	1608	16.70	-67	7.37	328.1	444.3	0.43	20.13	8.0
	1622	16.99	-74	7.36	328.3	1000.0	0.43	20.50	10.0
Sample:									

Metals and volatiles preserved to pH<2
PID = not taken. Instrument failure.

Logged BY / Date: [signature] 1-7-98

Reviewed BY / Date: _____

ENTERED 3/27/99 by SM

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP09
Sample Number: CY3010
Sample Name: FTA-145-GP09-GW-CY3010-REG
Sampling Method: ~~PP~~ Fultz Pump

Collection Date: 1/4/99
Collection Time: 1020
Start Depth: N/A
End Depth: N/A

Sample Team: J. Brown, T. Mullins

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PID 8.9 Background 8.7 Metals & Volatiles pH < 2

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
	0914	11.14	24	6.73	313.4	441.2	4.47	10.92	1.0
	0924	11.37	-20	6.95	327.9	1000#	1.44	16.90	2.5
	0940	11.32	-43	6.95	339.4	860.2	0.73	17.78	5.0
	0952	12.04	-50	6.96	342.5	743.9	0.55	18.25	7.5
	1000	12.40	-48	6.96	344.1	698.0	0.31	19.25	10.0
	1012	11.74	-63	6.94	337.8	167.9	0.19	18.55	12.5
	* Strong paint odor caused from people painting curb.								
Sample:									

Logged BY / Date: TM 1/4/99 *Reviewed BY / Date:* _____

ENTERED 3/25/99 by sm

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP10
Sample Number: CY3011
Sample Name: FTA-145-GP10-GW-CY3011-REG
Sampling Method: ~~PP~~ SP

Collection Date: 12-18-98
Collection Time: 0920

Start Depth: NA
End Depth: NA

Sample Team: T. Mullins, J. Brown

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
12-18-98	0850	8.05	196	6.26	289.4	>1000	4.4	13.11	0.5
	0852	7.41	189	6.35	314.6	>1000	3.18	17.22	2.0
	0855	8.25	188	6.34	305.9	>1000	2.14	17.77	3.25
	0900	8.00	185	6.31	296.4	>1000	1.58	18.09	~~13.50~~ 4.50
	0906	7.82	179	6.28	290.2	194.1	1.60	17.68	6.25
	0913	7.88	174	6.27	287.4	37.7	1.46	17.91	7.50
Sample:									

Volatiles and metals preserved to pH<2. pH checked with pH strip.

Logged BY / Date: [signature] 12-18-98 *Reviewed BY / Date:* _____

ENTERED 3/25/99 by sm

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: Former Motor Pool Area 1800/1900 (Parcels
Location Code: FTA-145-GP12
Sample Number: CY3012
Sample Name: FTA-145-GP12-GW-CY3012-REG
Sampling Method: PP

Collection Date: 12-18-98
Collection Time: 1040

Start Depth: NA
End Depth: NA

Sample Team: T. Mullins, J. Brown

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

PURGE RECORD:

Initial	Time(24hr)	DepthtoWater (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)	Purge Volume (gal)
12-18-98	0746	16.95	~~189~~ 215	6.31	182.0	153.5	1.94	18.86	0.5
	0751	17.74	211	6.36	178.8	328.8	3.42	19.21	1.25
	0755	18.30	202	6.23	173.2	>1000	3.00	18.77	1.75
	0802	18.86	198	6.26	185.2	744.2	1.19	18.02	2.50
	0810	DRY	69	6.35	204.4	8.4*	1.99	18.84	3.10
	1021	18.20	189	6.42	~~167.9~~ 179.9	345.1	2.93	17.11	3.20
	1030	18.19	195	6.26	167.9	612.4	2.62	18.56	3.80
Sample:									

*Upon visual inspection turbidity most likely >100NTUs. Metals and volatiles were preserved to pH<2. pH checked w pH paper.

Logged BY / Date: _____ Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 780567 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 145-010600-QSK

Site: Former Motor Pool Area 1800/1900 (Parcels

Location Code: FTA-145-GP13

Sample Number: CY3013

Sample Name: FTA-145-GP13-GW-CY3013-REG

Sampling Method: PP

Collection Date: 01-06-00

Collection Time: 0912

Start Depth: N/A

End Depth: N/A

Sample Team: Allen Hudson

ERPIMS Values:

Sacode:

Lot Control#:

Sample Matrix:

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE
EXTRA	N	D	1	1	L	Amb Glass

Comments:

Sketch Location:

PID	Bckgrn	DTW	TD	WC	PV
NO PID		6.27	16.5	10.23	1.7

VOA & METAL Ph less than 2

Logged BY / Date: 01-06-00

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 780567 Fort McClellan
Manager: Jeanne Yacoub

Location Code: **FTA-145-GP13**
Sample Number: **CY3013**

PURGE RECORD:

Initial	Time(24hr)	Depth to Water (ft)	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)	Temperature (C)	Purge Volume (gal)
	0831								
	0836	7.90	MF	6.99	.488	261	0.47	10.2	0
	0843	8.09		7.04	.458	53.2	0.70	13.2	1.7
	0853	8.12		7.12	.456	33.5	0.71	13.8	3.4
	0904	7.95		7.15	.454	15.2	0.65	14.0	5.1
Sample:									

MF = MAL FUNCTION

Logged BY / Date: DKOe 010600 *Reviewed BY / Date:* [illegible]

INTERNATIONAL TECHNOLOGY CORPORATION

Parcel
Water ~~Soil~~ Sample Collection Log

Fort McClellan,Alabama

PROJECT: 774645 COST CODE:01020300 DELIVERY ORDER 14

LOCATION ID: FTMC

SAMPLE #: 121898-E12

LOG DATE: ☐☐/☐☐/☐☐

LOG TIME: ☐☐☐☐ (HHMM)

CONTAINERS:

Analytical Suite	Flt	Frtn	Qty	Containers Size	Units	Type
VOLATILES	3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES		N	B	1	1	L	Amb. Glass
METALS-W		N	C	1	1	L	HDPE
CL PESTICIDES		N	D	1	1	L	Amb. Glass
PCBs		N	D	1	1	L	Amb. Glass
CL HERBICIDES		N	F	1	1	L	Amb. Glass
OP PESTICIDES		N	G	1	1	L	Amb. Glass

COMMENTS: Samples collected with the Fultz® submersible pump

LOG CODE: ITC LOCATION CLASS: MATRIX: Soil SAMPLING METHOD: HA DP NA

QA/QC samples (list below)

Matrix Spike (MS): _____ Matrix Spike Dup (SD): _____ Field Dup(FD): _____

Trip Blank (TB): _____ Equipment Blank (EB): 121898-E12

LOT CONTROL #: ☐☐☐☐ (Ambient Blank # - EquipBlank # - Trip Blank # - Cooler #)

SAMPLER(S): Mullins, Brown PREPARED BY : John W. Andrew

PURPOSE: Weekly Equipment Rinsate CHAIN OF CUSTODY: _____

SHIP DATE: 12/18/98 Tracking: ~~Quantity Express Courier~~ 918 Mullins, Brown

INTERNATIONAL TECHNOLOGY CORPORATION

ENTERED 8/2/99

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number:

Site: Former Motor Pool Area 1800/1900 (Parcels

Location Code: FTA-145-SW/SD01

Sample Number: CY2001

Sample Name: FTA-145-SW/SD01-SW-CY2001-REG

Sampling Method: GRAB

Collection Date: 1-27-99

Collection Time: 1550

Start Depth:

End Depth:

Sample Team: L. ROSA
A. GONZALEZ

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES 3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

Surface Water Parameters:	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)
		7.44	.239	6.7	12.07	19.82

Comments:

Sketch Location:

Logged BY / Date:

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

ENTERED 8/2/99 by SM

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number:

Site: Former Motor Pool Area 1800/1900 (Parcels

Location Code: FTA-145-SW/SD02

Sample Number: CY2002

Sample Name: FTA-145-SW/SD02-SW-CY2002-REG

Sampling Method: GRAB

Collection Date: 1-27-99

Collection Time: 0845

Start Depth:

End Depth:

Sample Team: L. ROSA, A. GONZALEZ

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES	3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

Surface Water Parameters:	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)
		7.54	3.09	5.6	11.76	12.40

Comments:

Sketch Location:

Logged BY / Date:

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number:

Site: **Autocraft Shop/Former DPDO Building 180**

Location Code: **FTA-100-SW/SD01**

Sample Number: **CV2001**

Sample Name: **FTA-100-SW/SD01-SW-CV2001-REG**

Sampling Method: **GRAB**

Collection Date: 1-26-99

Collection Time: 1730

Start Depth:

End Depth:

Sample Team: L. ROSA
A. GONZALEZ

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE
CL PESTICIDES	N	D	1	1	L	Amb. Glass
PCBs	N	D	1	1	L	Amb. Glass
OP PESTICIDES	N	E	1	1	L	Amb. Glass
CL HERBICIDES	N	F	1	1	L	Amb. Glass

Surface Water Parameters:	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)
		7.37	148.0	3.0	11.41	14.19

Comments:

Sketch Location:

Logged BY / Date:

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number:

Site: **Autocraft Shop/Former DPDO Building 180**
Location Code: **FTA-100-SW/SD02**
Sample Number: **CV2002**
Sample Name: **FTA-100-SW/SD02-SW-CV2002-REG**
Sampling Method: **GRAB**

Collection Date: 1-26-99
Collection Time: 1700

Start Depth:
End Depth:

Sample Team: C. ROSA
A-GONZALEZ

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE
CL PESTICIDES	N	D	1	1	L	Amb. Glass
PCBs	N	D	1	1	L	Amb. Glass
OP PESTICIDES	N	E	1	1	L	Amb. Glass
CL HERBICIDES	N	F	1	1	L	Amb. Glass

Surface Water Parameters:	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)
		7.37	148.0	3.8	11.41	14.19

Comments:

Sketch Location:

Logged BY / Date:

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**

Manager: **Jeanie Yacoub**

RFA / COC Number: _____

Site: **Watershed Study**

Location Code: **WS145-SW/SD01**

Sample Number: **WS2002**

Sample Name: **WS145-SW/SD01-SW-WS2002-REG**

Sampling Method: **GRAB**

Collection Date: 1-27-99

Collection Time: 1515

Start Depth: _____

End Depth: _____

Sample Team: L. ROSA
A. GONZALEZ

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES	[illegible]	N	A	2	40	mL VOA Vial
SEMIVOLATILES	N	R	1	[illegible]	L	Amb Glass
METALS-W	[illegible]	N	C	1	1	L HDPE

Surface Water Parameters	Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature
	(24 hr)	(SU)	(mS/cm)	(NTU)	(mg/L)	(°C)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Comments:

Sketch Location:

Logged BY / Date: _____

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

parcel 145, 52

RFA / COC Number:

Site: Former Motor Pool Area 1800/1900 (Parcels

Location Code: FTA-145-SW/SD01

Sample Number: CY1001

Sample Name: FTA-145-SW/SD01-SD-CY1001-REG

Sampling Method: HA

Collection Date: 1-27-99

Collection Time: 1550

Start Depth: 0 ft

End Depth: 1.5 ft

Sample Team: A. GONZALEZ, L. ROSA

Analytical Suite	Flt	Frtn	Containers Qty	Size	Units	Type
VOLATILES 3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES	N	B	1	8	oz	CWM
TOC	N	C	1	4	oz	CWM
GR. SIZE	N	D	1	8	oz	CWM

Comments:

Sketch Location:

Logged BY / Date:

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**
Manager: **Jeanie Yacoub**

RFA / COC Number: _____

Site: **Former Motor Pool Area 1800/1900 (Parcels**
Location Code: **FTA-145-SW/SD02**
Sample Number: **CY1002**
Sample Name: **FTA-145-SW/SD02-SD-CY1002-REG**
Sampling Method: **HA**

Collection Date: 1-27-99
Collection Time: 0845
Start Depth: 0 ft
End Depth: 0.5 ft

Sample Team: L. ROSA
A. GONZALEZ

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
TOC	N	C	1	4	oz	CWM
GR. SIZE	N	D	1	8	oz	CWM

Comments:

Sketch Location:

Logged BY / Date: _____

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number:

Site: **Former Motor Pool Area 1800/1900 (Parcels**

Location Code: **FTA-145-SW/SD02**

Sample Number: **CY1003**

Sample Name: **FTA-145-SW/SD02-SD-CY1003-FD**

Sampling Method: **HA**

Collection Date: 1-27-99

Collection Time: 0845

Start Depth: 0 ft

End Depth: 0.5 ft

Sample Team: L. ROSA
A. GONZALEZ

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
CL HERBICIDES	N		1	8	oz	CWM
CL PESTICIDES	N		1	8	oz	CWM
GR. SIZE	N		1	8	oz	CWM
METALS-S	N		1	8	oz	CWM
OP PESTICIDES	N		1	4	oz	CWM
PCBs	N		1	8	oz	CWM
SEMIVOLATILES	N		1	8	oz	CWM
TOC	N		1	4	oz	CWM
VOLATILES 3	N		3	5	g	EnCore

wrong

see list for CY1002

Comments:

Sketch Location:

Logged BY / Date:

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**

Manager: **Jeanie Yacoub**

RFA / COC Number: _____

Site: **Former Motor Pool Area 1800/1900 (Parcels**

Location Code: **FTA-145-SW/SD02**

Sample Number: **CY1004**

Sample Name: **FTA-145-SW/SD02-SD-CY1004-FS**

Sampling Method: **HA**

Collection Date: 1-27-99

Collection Time: 0845

Start Depth: 0 ft

End Depth: 0.5 ft

Sample Team: L. ROSA
A. GONZALEZ

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
CL HERBICIDES	N		1	8	oz	CWM
CL PESTICIDES	N		1	8	oz	CWM
GR. SIZE	N		1	8	oz	CWM
METALS-S	N		1	8	oz	CWM
OP PESTICIDES	N		1	4	oz	CWM
PCBs	N		1	8	oz	CWM
SEMIVOLATILES	N		1	8	oz	CWM
TOC	N		1	4	oz	CWM
VOLATILES 3	N		3	5	g	EnCore

Comments: _____

Sketch Location:

Logged BY / Date: _____

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

parcel 100, 20, 47

RFA / COC Number:

Site: **Autocraft Shop/Former DPDO Building 180**

Location Code: **FTA-100-SW/SD01**

Sample Number: **CV1001**

Sample Name: **FTA-100-SW/SD01-SD-CV1001-REG**

Sampling Method: **HA**

Collection Date: 1-26-99

Collection Time: 1730

Start Depth: 0 ft

End Depth: 2 ft

Sample Team: L. ROSA
A. GONZALEZ

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
CL PESTICIDES	N	B	1	8	oz	CWM
METALS-S	N	B	1	8	oz	CWM
PCBs	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
CL HERBICIDES	N	C	1	8	oz	CWM
OP PESTICIDES	N	C	1	4	oz	CWM
TOC	N	E	1	4	oz	CWM
GR. SIZE	N	F	1	8	oz	CWM

Comments:

Sketch Location:

Logged BY / Date: _____

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Autocraft Shop/Former DPDO Building 180**

Location Code: **FTA-100-SW/SD02**

Sample Number: **CV1002**

Sample Name: **FTA-100-SW/SD02-SD-CV1002-REG**

Sampling Method: **HA**

Collection Date: 1-26-99

Collection Time: 1700

Start Depth: 0ft

End Depth: 1ft

Sample Team: C. RUSA
A-GONZALEZ

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
CL PESTICIDES	N	B	1	8	oz	CWM
METALS-S	N	B	1	8	oz	CWM
PCBs	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
CL HERBICIDES	N	C	1	8	oz	CWM
OP PESTICIDES	N	C	1	4	oz	CWM
TOC	N	E	1	4	oz	CWM
GR. SIZE	N	F	1	8	oz	CWM

Comments:

Sketch Location:

Logged BY / Date: _____

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Watershed Study**

Location Code: **WS145-SW/SD01**

Sample Number: **WS1002**

Sample Name: **WS145-SW/SD01-SD-WS1002-REG**

Sampling Method: **HA**

Collection Date: 1-27-99

Collection Time: 1515

Start Depth: 0 ft

End Depth: 1 ft

Sample Team: L. Rosa, A. Gonzalez

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES	3	N	A	2	8	EnCore
METALS		N	B	1	8	oz CWM
SEMIVOLATILES		N	B	1	8	oz CWM
TOC		N	C	1	4	oz CWM
GR SIZE		N	D	1	8	oz CWM

Comments:

Sketch Location:

Logged BY / Date: _____

Reviewed BY / Date: _____

ANALYSIS REQUEST/CHAIN OF CUSTODY RECORDS

Quote #25476 H8J020114

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-100198-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John Andrew

Turnaround Time: Normal

Samples Shipment Date: 01-OCT-98

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Quality Express/ Couirer

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

1. Relinquished By (Signature/Affiliation) ITCorp	Date: 10/1/98 Time: 1800	1. Received By (Signature/Affiliation)	Date: 10/1/98 Time: 1850
2. Relinquished By (Signature/Affiliation)	Date: 10/2/98 Time: 7:35	2. Received By (Signature/Affiliation)	Date: 10-2-98 Time: 7:35
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments:

Recd at 2°C
No Custody Seals
JW 10-2-98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY0001	FTA-145-GP01-DS-CY0001-REG	01-OCT-98	09:30	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0001	FTA-145-GP01-DS-CY0001-REG	01-OCT-98	09:30	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0002	FTA-145-GP02-SS-CY0002-REG	01-OCT-98	08:35	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0002	FTA-145-GP02-SS-CY0002-REG	01-OCT-98	08:35	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0003	FTA-145-GP02-DS-CY0003-REG	01-OCT-98	08:50	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0003	FTA-145-GP02-DS-CY0003-REG	01-OCT-98	08:50	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		

H8J020114

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-100198-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY0004	FTA-145-GP03-SS-CY0004-REG	01-OCT-98	15:30	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0004	FTA-145-GP03-SS-CY0004-REG	01-OCT-98	15:30	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0005	FTA-145-GP03-DS-CY0005-REG	01-OCT-98	15:40	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0005	FTA-145-GP03-DS-CY0005-REG	01-OCT-98	15:40	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0006	FTA-145-GP04-SS-CY0006-REG	01-OCT-98	15:55	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0006	FTA-145-GP04-SS-CY0006-REG	01-OCT-98	15:55	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0007	FTA-145-GP04-DS-CY0007-REG	01-OCT-98	16:05	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0007	FTA-145-GP04-DS-CY0007-REG	01-OCT-98	16:05	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0010	FTA-145-GP06-SS-CY0010-REG	01-OCT-98	15:10	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0010	FTA-145-GP06-SS-CY0010-REG	01-OCT-98	15:10	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0013	FTA-145-GP06-DS-CY0013-REG	01-OCT-98	15:15	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0013	FTA-145-GP06-DS-CY0013-REG	01-OCT-98	15:15	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0014	FTA-145-GP07-SS-CY0014-REG	01-OCT-98	16:25	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0014	FTA-145-GP07-SS-CY0014-REG	01-OCT-98	16:25	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0014-MS	FTA-145-GP07-SS-CY0014-MS-MS	01-OCT-98	16:25	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0014-MS	FTA-145-GP07-SS-CY0014-MS-MS	01-OCT-98	16:25	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0014-MSD	FTA-145-GP07-SS-CY0014-MSD-MSD	01-OCT-98	16:25	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0014-MSD	FTA-145-GP07-SS-CY0014-MSD-MSD	01-OCT-98	16:25	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0015	FTA-145-GP07-DS-CY0015-REG	01-OCT-98	16:45	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0015	FTA-145-GP07-DS-CY0015-REG	01-OCT-98	16:45	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0020	FTA-145-GP10-SS-CY0020-REG	01-OCT-98	14:20	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0020	FTA-145-GP10-SS-CY0020-REG	01-OCT-98	14:20	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0021	FTA-145-GP10-DS-CY0021-REG	01-OCT-98	14:35	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0021	FTA-145-GP10-DS-CY0021-REG	01-OCT-98	14:35	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0022	FTA-145-GP10-DS-CY0022-FD	01-OCT-98	14:35	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0022	FTA-145-GP10-DS-CY0022-FD	01-OCT-98	14:35	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0024	FTA-145-GP11-DS-CY0024-REG	01-OCT-98	09:10	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		

H8J020114

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-100198-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY0024	FTA-145-GP11-DS-CY0024-REG	01-OCT-98	09:10	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		

Quote# 25476

H8J030115

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-100298-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John Andrew

Turnaround Time: Normal

Samples Shipment Date: 02-OCT-98

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Hand Delivered/ R. McBride

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 10/2/98 Time: 1630	1. Received By (Signature/Affiliation) RUMcBride, ITC	Date: 10/2/98 Time: 1630
2. Relinquished By (Signature/Affiliation) RUMcBride, ITC	Date: 10-03-98 Time: 1100	2. Received By (Signature/Affiliation) Bryan Blomquist	Date: 10/3/98 Time: 1100
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments:

Recd at 2°C
No Custody Seals
JW 10-3-98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY0008	FTA-145-GP05-SS-CY0008-REG	02-OCT-98	09:20	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0008	FTA-145-GP05-SS-CY0008-REG	02-OCT-98	09:20	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0009	FTA-145-GP05-DS-CY0009-REG	02-OCT-98	09:30	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0009	FTA-145-GP05-DS-CY0009-REG	02-OCT-98	09:30	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0016	FTA-145-GP08-SS-CY0016-REG	02-OCT-98	09:50	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0016	FTA-145-GP08-SS-CY0016-REG	02-OCT-98	09:50	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0017	FTA145GP08-DS-CY0017-REG						VOC			
CY0017	" " " " REG						SVOC, MET			
	" " " CY0029-FD						VOC			

02-OCT-1005

VOC
SVOC, METALS

VOC
SVOC, METALS

02-OCT-1005

H8J030115

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-100298-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY0018	FTA-145-GP09-SS-CY0018-REG	02-OCT-98	08:50	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0018	FTA-145-GP09-SS-CY0018-REG	02-OCT-98	08:50	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0019	FTA-145-GP09-DS-CY0019-REG	02-OCT-98	09:00	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0019	FTA-145-GP09-DS-CY0019-REG	02-OCT-98	09:00	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0025	FTA-145-GP12-SS-CY0025-REG	02-OCT-98	08:20	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0025	FTA-145-GP12-SS-CY0025-REG	02-OCT-98	08:20	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0026	FTA-145-GP12-DS-CY0026-REG	02-OCT-98	08:30	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0026	FTA-145-GP12-DS-CY0026-REG	02-OCT-98	08:30	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
~~CY0029~~	~~FTA-145-GP12-DS-CY0029-FD~~	~~02-OCT-98~~	~~10:05~~	~~5 g EnCore~~	~~3~~	~~None except cool to 4 C~~	~~Volatiles by 8260B~~	~~N~~		
~~CY0029~~	~~FTA-145-GP12-DS-CY0029-FD~~	~~02-OCT-98~~	~~10:05~~	~~8 oz CWM~~	~~1~~	~~None except cool to 4 C~~	~~TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C~~	~~N~~		

GP 08
GP 08

Rm
10/2

Quote # 25476

H8K100115

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-110998-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: Normal

Samples Shipment Date: 09-NOV-98

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Quality Express/ Courier

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:

Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [X]

Sample Disposal:

Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Relinquished By (Signature/Affiliation) IT Group — Date: 11-09-98 Time: 1807
2. Relinquished By (Signature/Affiliation) — Date: 11 10 98 Time: 810
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) — Date: 11 9 98 Time: 1807
2. Received By (Signature/Affiliation) — Date: 11 10 98 Time: 810
3. Received By (Signature/Affiliation) — Date: Time:

Comments:

Rec'd at 2°C
Custody Seals Intact
11-10-98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY0027	FTA-145-DEP01-DEP-CY0027-REG	09-NOV-98	16:15	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0027	FTA-145-DEP01-DEP-CY0027-REG	09-NOV-98	16:15	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0028	FTA-145-DEP02-DEP-CY0028-REG	09-NOV-98	16:20	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0028	FTA-145-DEP02-DEP-CY0028-REG	09-NOV-98	16:20	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		

54

Quote# 25476 H8L180253

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-121798-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: Normal

Samples Shipment Date: 18-DEC-98

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Quality Express/ Courier PK314584

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [X]

Sample Disposal:
Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Relinquished By (Signature/Affiliation) IT Corp — Date: 12/18/98 Time: 0810
2. Relinquished By (Signature/Affiliation) — Date: 12/18/98 Time: 1250
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) — Date: 12/18/98 Time: 0810
2. Received By (Signature/Affiliation) — Date: 12/18/98 Time: 12:50
3. Received By (Signature/Affiliation) — Date: Time:

Comments:

JW 12-18-98
Rec'd at 2°C
Custody Seals Intact

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY3004	FTA-145-GP05-GW-CY3004-REG	17-DEC-98	13:50	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3004	FTA-145-GP05-GW-CY3004-REG	17-DEC-98	13:50	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3004	FTA-145-GP05-GW-CY3004-REG	17-DEC-98	13:50	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N	AH62	
CY3008	FTA-145-GP07-GW-CY3008-REG	17-DEC-98	15:30	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3008	FTA-145-GP07-GW-CY3008-REG	17-DEC-98	15:30	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3008	FTA-145-GP07-GW-CY3008-REG	17-DEC-98	15:30	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N	AH62	
CY3008-MS	FTA-145-GP07-GW-CY3008-MS-MS	17-DEC-98	15:30	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3008-MS	FTA-145-GP07-GW-CY3008-MS-MS	17-DEC-98	15:30	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		

H8L180253

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-121798-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY3008-MS	FTA-145-GP07-GW-CY3008-MS-MS	17-DEC-98	15:30	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2
CY3008-MSD	FTA-145-GP07-GW-CY3008-MSD-MSD	17-DEC-98	15:30	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3008-MSD	FTA-145-GP07-GW-CY3008-MSD-MSD	17-DEC-98	15:30	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3008-MSD	FTA-145-GP07-GW-CY3008-MSD-MSD	17-DEC-98	15:30	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2

102

Quote # 25476 H8L210156

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-121898-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: Normal

Samples Shipment Date: 18-DEC-98

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Hand Delivered/ Tiffany Mullins PK314504

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 18 Dec 98 Time: 1219	1. Received By (Signature/Affiliation)	Date: 12/18/98 Time: 1219
2. Relinquished By (Signature/Affiliation)	Date: 12/19/98 Time: 0830	2. Received By (Signature/Affiliation)	Date: 12/19/98 Time: 0830
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments:

Rec'd @ 3°C
w/ custody seals
Intact BPB 12/19/98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
121898-ER	FIELDQC-BW-121898-ER-ER	18-DEC-98	11:30	40 ml VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
121898-ER	FIELDQC-BW-121898-ER-ER	18-DEC-98	11:30	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
121898-ER	FIELDQC-BW-121898-ER-ER	18-DEC-98	11:30	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		
121898-ER	FIELDQC-BW-121898-ER-ER	18-DEC-98	11:30	1 L Amb. Glass	1	None except cool to 4 C	Cl Pesticides by 8081A, PCBs by 8082	N		
121898-ER	FIELDQC-BW-121898-ER-ER	18-DEC-98	11:30	1 L Amb. Glass	1	None except cool to 4 C	OP Pesticides by 8141A	N		
121898-ER	FIELDQC-BW-121898-ER-ER	18-DEC-98	11:30	1 L Amb. Glass	1	None except cool to 4 C	Cl Herbicides by 8151A	N		
121898-TB	FIELDQC-BW-121898-TB-TB	18-DEC-98	07:00	40 ml VOA Vial	2	HCl<pH 2	Volatiles by 8260B	N		
CY3011	FTA-145-GP10-GW-CY3011-REG	18-DEC-98	09:20	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		

H8L210156

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-121898-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY3011	FTA-145-GP10-GW-CY3011-REG	18-DEC-98	09:20	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3011	FTA-145-GP10-GW-CY3011-REG	18-DEC-98	09:20	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N	[illegible]	
CY3012	FTA-145-GP12-GW-CY3012-REG	18-DEC-98	10:40	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3012	FTA-145-GP12-GW-CY3012-REG	18-DEC-98	10:40	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3012	FTA-145-GP12-GW-CY3012-REG	18-DEC-98	10:40	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N	[illegible]	

106

149A050149

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-010499-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: Normal

Samples Shipment Date: 05-JAN-99

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Quality Express/ Courier

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

1. Relinquished By (Signature/Affiliation) FTCorp	Date: 1/5/99 Time: 805	1. Received By (Signature/Affiliation)	Date: 1/5/99 Time: 805
2. Relinquished By (Signature/Affiliation)	Date: 1 5 99 Time: 1300	2. Received By (Signature/Affiliation)	Date: 1-5-99 Time: 13:00
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments:

Recd at 2°C
Custody Seals Intact
JW 1-5-99

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
010499-TB	FIELDQC-BW-010499-TB-TB	04-JAN-99	07:00	40 ml VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3002	FTA-145-GP03-GW-CY3002-REG	04-JAN-99	15:10	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3002	FTA-145-GP03-GW-CY3002-REG	04-JAN-99	15:10	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3002	FTA-145-GP03-GW-CY3002-REG	04-JAN-99	15:10	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2
CY3003	FTA-145-GP04-GW-CY3003-REG	04-JAN-99	13:15	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3003	FTA-145-GP04-GW-CY3003-REG	04-JAN-99	13:15	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3003	FTA-145-GP04-GW-CY3003-REG	04-JAN-99	13:15	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2
CY3010	FTA-145-GP09-GW-CY3010-REG	04-JAN-99	10:20	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		

H9A050149

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-010499-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY3010	FTA-145-GP09-GW-CY3010-REG	04-JAN-99	10:20	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3010	FTA-145-GP09-GW-CY3010-REG	04-JAN-99	10:20	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2

Quote # 25476 H9A080167

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-010799-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: Normal

Samples Shipment Date: 08-JAN-99

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Quality Express/ Courier PK314505

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 1/8/99 Time: 8:30	1. Received By (Signature/Affiliation)	Date: 1 8 99 Time: 8:30
2. Relinquished By (Signature/Affiliation)	Date: 1/8/99 Time: 1412	2. Received By (Signature/Affiliation)	Date: 1/8/99 Time: 1410
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments:

Rad at 20
Custody Seals Intact
JW 1-8-99

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
010799-TB	FIELDQC-BW-010799-TB-TB	07-JAN-99	07:00	40 ml VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3001	FTA-145-GP02-GW-CY3001-REG	07-JAN-99	14:40	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3001	FTA-145-GP02-GW-CY3001-REG	07-JAN-99	14:40	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3001	FTA-145-GP02-GW-CY3001-REG	07-JAN-99	14:40	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2
CY3009	FTA-145-GP08-GW-CY3009-REG	07-JAN-99	16:30	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3009	FTA-145-GP08-GW-CY3009-REG	07-JAN-99	16:30	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3009	FTA-145-GP08-GW-CY3009-REG	07-JAN-99	16:30	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2

85

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-011299-SADL

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: NORMAL

Samples Shipment Date: 12-JAN-99

Lab Destination: USACE South Atlantic Division Laboratory

Lab Contact: Blaise Willis

Project Contact: Randy McBride

Carrier/Waybill No.: Fed Ex/7901 8877 9814

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions: NONE

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

1. Relinquished By (Signature/Affiliation) IT Corp	Date: 01/12/99 Time: 1430	1. Received By (Signature/Affiliation)	Date: Time:
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: NONE

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
011299-TB2	FIELDQC-BW-011299-TB2-TB	12-JAN-99	07:00	40 ml VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3007	FTA-145-GP06-GW-CY3007-FS	12-JAN-99	11:35	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3007	FTA-145-GP06-GW-CY3007-FS	12-JAN-99	11:35	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3007	FTA-145-GP06-GW-CY3007-FS	12-JAN-99	11:35	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		

Quote# 25476 H9A130179

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-011299-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: Normal

Samples Shipment Date: 13-JAN-99

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Quality Express/ Courier PK314506

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions: NONE

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal:
Return to Client ☐ Disposal by Lab ☑ Archive (mos.)

1. Relinquished By (Signature/Affiliation) IT CORP	Date: 01/13/99 Time: 0810	1. Received By (Signature/Affiliation)	Date: 1 13 99 Time: 0810
2. Relinquished By (Signature/Affiliation)	Date: 1 13 99 Time: 1315	2. Received By (Signature/Affiliation)	Date: 1-13-99 Time: 13:15
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: NONE

Rec'd at 2°C
Custody Seals Intact
JW 1-13-99

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY3005	FTA-145-GP06-GW-CY3005-REG	12-JAN-99	11:35	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3005	FTA-145-GP06-GW-CY3005-REG	12-JAN-99	11:35	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3005	FTA-145-GP06-GW-CY3005-REG	12-JAN-99	11:35	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2
CY3006	FTA-145-GP06-GW-CY3006-FD	12-JAN-99	11:35	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3006	FTA-145-GP06-GW-CY3006-FD	12-JAN-99	11:35	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3006	FTA-145-GP06-GW-CY3006-FD	12-JAN-99	11:35	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-012799-SADL

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: NORMAL

Samples Shipment Date: 27-JAN-99

Lab Destination: USACE South Atlantic Division Laboratory

Lab Contact: Blaise Willis

Project Contact: Randy McBride

Carrier/Waybill No.: Fed Ex/7916 7678 0685

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions: NONE

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

1. Relinquished By (Signature/Affiliation) IT Corp	Date: 01/27/99 Time: 1430	1. Received By (Signature/Affiliation)	Date: Time:
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: NONE

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY1004	FTA-145-SW/SD02-SD-CY1004-FS	27-JAN-99	08:45	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY1004	FTA-145-SW/SD02-SD-CY1004-FS	27-JAN-99	08:45	8 oz CWM	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY1004	FTA-145-SW/SD02-SD-CY1004-FS	27-JAN-99	08:45	8 oz CWM	1	None except cool to 4 C	Cl Pesticides by 8081A, PCBs by 8082	N		
CY1004	FTA-145-SW/SD02-SD-CY1004-FS	27-JAN-99	08:45	8 oz CWM	1	None except cool to 4 C	Cl Herbicides by 8151A	N		
CY1004	FTA-145-SW/SD02-SD-CY1004-FS	27-JAN-99	08:45	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils	N		
CY1004	FTA-145-SW/SD02-SD-CY1004-FS	27-JAN-99	08:45	4 oz CWM	1	None except cool to 4 C	Total Organic Carbon by 9060	N		
CY1004	FTA-145-SW/SD02-SD-CY1004-FS	27-JAN-99	08:45	4 oz CWM	1	None except cool to 4 C	OP Pesticides by 8141A	N		
~~CY1004~~	~~FTA-145-SW/SD02-SD-CY1004-FS~~	~~27-JAN-99~~	~~08:45~~	~~8 oz CWM~~	~~1~~	~~None Required~~	~~Grain Size by ASTM D421/D422~~	~~N~~		

Remove
AB
1/27/99

H9A270236

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 100-012699-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: NORMAL

Samples Shipment Date: 27-JAN-99

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Quality Express/ Courier

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions: NONE

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 12799 Time: 0830	1. Received By (Signature/Affiliation)	Date: 12799 Time: 0830
2. Relinquished By (Signature/Affiliation)	Date: 12799 Time: 1340	2. Received By (Signature/Affiliation)	Date: 1-27-99 Time: 13:40
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: NONE

Rec'd at 2°C
Custody Seals Intact
JW 1-27-99

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CV1001	FTA-100-SW/SD01-SD-CV1001-REG	26-JAN-99	17:30	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CV1001	FTA-100-SW/SD01-SD-CV1001-REG	26-JAN-99	17:30	8 oz CWM	1	None except cool to 4 C	Cl Pesticides by 8081A, TAL Metals by 6010B/7471A - Soils, PCBs by 8082, Semivolatiles by 8270C	N		
CV1001	FTA-100-SW/SD01-SD-CV1001-REG	26-JAN-99	17:30	4 oz CWM	1	None except cool to 4 C	Total Organic Carbon by 9060	N		
CV1001	FTA-100-SW/SD01-SD-CV1001-REG	26-JAN-99	17:30	4 oz CWM	1	None except cool to 4 C	Cl Herbicides by 8151A, OP Pesticides by 8141A	N		
CV1001	FTA-100-SW/SD01-SD-CV1001-REG	26-JAN-99	17:30	8 oz CWM	1	None Required	Grain Size by ASTM D421/D422	N		
CV1002	FTA-100-SW/SD02-SD-CV1002-REG	26-JAN-99	17:00	8 oz CWM	1	None Required	Grain Size by ASTM D421/D422	N		

98

H9A270236

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 100-012699-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CV1002	FTA-100-SW/SD02-SD-CV1002-REG	26-JAN-99	17:00	8 oz CWM	1	None except cool to 4 C	Cl Pesticides by 8081A, TAL Metals by 6010B/7471A - Soils, PCBs by 8082, Semivolatiles by 8270C	N		
CV1002	FTA-100-SW/SD02-SD-CV1002-REG	26-JAN-99	17:00	4 oz CWM	1	None except cool to 4 C	Cl Herbicides by 8151A, OP Pesticides by 8141A	N		
CV1002	FTA-100-SW/SD02-SD-CV1002-REG	26-JAN-99	17:00	4 oz CWM	1	None except cool to 4 C	Total Organic Carbon by 9060	N		
CV1002	FTA-100-SW/SD02-SD-CV1002-REG	26-JAN-99	17:00	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CV1003	FTA-100-SW/SD03-SD-CV1003-REG	26-JAN-99	16:45	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CV1003	FTA-100-SW/SD03-SD-CV1003-REG	26-JAN-99	16:45	8 oz CWM	1	None except cool to 4 C	Cl Pesticides by 8081A, TAL Metals by 6010B/7471A - Soils, PCBs by 8082, Semivolatiles by 8270C	N		
CV1003	FTA-100-SW/SD03-SD-CV1003-REG	26-JAN-99	16:45	8 oz CWM	1	None Required	Grain Size by ASTM D421/D422	N		
CV1003	FTA-100-SW/SD03-SD-CV1003-REG	26-JAN-99	16:45	4 oz CWM	1	None except cool to 4 C	Total Organic Carbon by 9060	N		
CV1003	FTA-100-SW/SD03-SD-CV1003-REG	26-JAN-99	16:45	4 oz CWM	1	None except cool to 4 C	Cl Herbicides by 8151A, OP Pesticides by 8141A	N		
CV2001	FTA-100-SW/SD01-SW-CV2001-REG	26-JAN-99	17:30	1 L Amb. Glass	1	None except cool to 4 C	Cl Herbicides by 8151A	N		
CV2001	FTA-100-SW/SD01-SW-CV2001-REG	26-JAN-99	17:30	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CV2001	FTA-100-SW/SD01-SW-CV2001-REG	26-JAN-99	17:30	1 L Amb. Glass	1	None except cool to 4 C	Cl Pesticides by 8081A, PCBs by 8082	N		
CV2001	FTA-100-SW/SD01-SW-CV2001-REG	26-JAN-99	17:30	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		
CV2001	FTA-100-SW/SD01-SW-CV2001-REG	26-JAN-99	17:30	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CV2001	FTA-100-SW/SD01-SW-CV2001-REG	26-JAN-99	17:30	1 L Amb. Glass	1	None except cool to 4 C	OP Pesticides by 8141A	N		
CV2002	FTA-100-SW/SD02-SW-CV2002-REG	26-JAN-99	17:00	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CV2002	FTA-100-SW/SD02-SW-CV2002-REG	26-JAN-99	17:00	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		
CV2002	FTA-100-SW/SD02-SW-CV2002-REG	26-JAN-99	17:00	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CV2002	FTA-100-SW/SD02-SW-CV2002-REG	26-JAN-99	17:00	1 L Amb. Glass	1	None except cool to 4 C	Cl Pesticides by 8081A, PCBs by 8082	N		
CV2002	FTA-100-SW/SD02-SW-CV2002-REG	26-JAN-99	17:00	1 L Amb. Glass	1	None except cool to 4 C	Cl Herbicides by 8151A	N		
CV2002	FTA-100-SW/SD02-SW-CV2002-REG	26-JAN-99	17:00	1 L Amb. Glass	1	None except cool to 4 C	OP Pesticides by 8141A	N		
CV2003	FTA-100-SW/SD03-SW-CV2003-REG	26-JAN-99	16:45	1 L Amb. Glass	1	None except cool to 4 C	OP Pesticides by 8141A	N		
CV2003	FTA-100-SW/SD03-SW-CV2003-REG	26-JAN-99	16:45	1 L Amb. Glass	1	None except cool to 4 C	Cl Herbicides by 8151A	N		
CV2003	FTA-100-SW/SD03-SW-CV2003-REG	26-JAN-99	16:45	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CV2003	FTA-100-SW/SD03-SW-CV2003-REG	26-JAN-99	16:45	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		
CV2003	FTA-100-SW/SD03-SW-CV2003-REG	26-JAN-99	16:45	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CV2003	FTA-100-SW/SD03-SW-CV2003-REG	26-JAN-99	16:45	1 L Amb. Glass	1	None except cool to 4 C	Cl Pesticides by 8081A, PCBs by 8082	N		

99

149A280228
Pk31450 7

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-012799-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: NORMAL

Samples Shipment Date: 28-JAN-99

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Quality Express/ Courier

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions: NONE

Possible Hazard Indentification:
Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [X]

Sample Disposal:
Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 01/28/99 Time: 0900	1. Received By (Signature/Affiliation)	Date: 1 28 99 Time: 0900
2. Relinquished By (Signature/Affiliation)	Date: 1 28 99 Time: 1430	2. Received By (Signature/Affiliation)	Date: 1-28-99 Time: 14:30
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: NONE

Rec'd at 20C
Custody Seals Intact
JW 1-28-99

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY1001	FTA-145-SW/SD01-SD-CY1001-REG	27-JAN-99	15:50	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY1001	FTA-145-SW/SD01-SD-CY1001-REG	27-JAN-99	15:50	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY1001	FTA-145-SW/SD01-SD-CY1001-REG	27-JAN-99	15:50	4 oz CWM	1	None except cool to 4 C	Total Organic Carbon by 9060	N		
CY1001	FTA-145-SW/SD01-SD-CY1001-REG	27-JAN-99	15:50	8 oz CWM	1	None Required	Grain Size by ASTM D421/D422	N		
CY1002	FTA-145-SW/SD02-SD-CY1002-REG	27-JAN-99	08:45	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY1002	FTA-145-SW/SD02-SD-CY1002-REG	27-JAN-99	08:45	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY1002	FTA-145-SW/SD02-SD-CY1002-REG	27-JAN-99	08:45	4 oz CWM	1	None except cool to 4 C	Total Organic Carbon by 9060	N		

H9A280228

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-012799-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY1002	FTA-145-SW/SD02-SD-CY1002-REG	27-JAN-99	08:45	8 oz CWM	1	None Required	Grain Size by ASTM D421/D422	N		
CY1003	FTA-145-SW/SD02-SD-CY1003-FD	27-JAN-99	08:45	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY1003	FTA-145-SW/SD02-SD-CY1003-FD	27-JAN-99	08:45	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY1003	FTA-145-SW/SD02-SD-CY1003-FD	27-JAN-99	08:45	4 oz CWM	1	None except cool to 4 C	Total Organic Carbon by 9060	N		
CY2001	FTA-145-SW/SD01-SW-CY2001-REG	27-JAN-99	15:50	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY2001	FTA-145-SW/SD01-SW-CY2001-REG	27-JAN-99	15:50	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY2001	FTA-145-SW/SD01-SW-CY2001-REG	27-JAN-99	15:50	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2
CY2002	FTA-145-SW/SD02-SW-CY2002-REG	27-JAN-99	08:45	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY2002	FTA-145-SW/SD02-SW-CY2002-REG	27-JAN-99	08:45	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY2002	FTA-145-SW/SD02-SW-CY2002-REG	27-JAN-99	08:45	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		pH<2

H9F2901

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-062899-QSK

Project Number: 774645
Project Name: Fort McClellan
Sample Coordinator: Jason Brown
Turnaround Time: Rush 24/48 HR

Samples Shipment Date: 28-JUN-99
Lab Destination: Quanterra Environmental Services - Knoxville
Lab Contact: John Reynolds
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex/790266249908

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 6/28/99 Time: 1430	1. Received By (Signature/Affiliation) David D. Flora	Date: 6-29-99 Time: 0945
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: RUSH TURNAROUND -- 24/48 HRS -- TOM YODER APPROVAL

Rec'd Temp 4C
Custody seals intact
D.F. 6-29-99

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
062899-TB	FIELDQC-BW-062899-TB-TB	28-JUN-99	08:00	40 ml VOA Vial	2	HCl<pH 2	Volatiles by 8260B	N		
CY3002R	FTA-145-GP03-GW-CY3002R-REG	28-JUN-99	11:45	40 ml VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		

19

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 48-110399-QST

Project Number: 783149
Project Name: Fort McClellan
Sample Coordinator: Jason Brown
Turnaround Time: NORMAL

Samples Shipment Date: 03-NOV-99
ab Destination: QUANTERRA - TAMPA
Lab Contact: Michelle Lersch
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex/

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37932

Special Instructions: NONE

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

1. Relinquished By (Signature/Affiliation) IT Corp	Date: 11/03/99 Time: 1400	1. Received By (Signature/Affiliation) Carol McNulty	Date: 11/4/99 Time: 1000
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: ~~NONE~~ 9B
Samples CJ0052 and CJ0053 were collected at 1140 9B

1140

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CJ0051	UST-48-MW01-DS-CJ0051-REG	03-NOV-99	12:10	8 oz CWM	1	None except cool to 4 C	Lead by 6010B, PAH's by 8310	N		
CJ0051	UST-48-MW01-DS-CJ0051-REG	03-NOV-99	12:10	5 g EnCore	3	None except cool to 4 C	BTEX by 8021B	N		
CJ0052	UST-48-GP01-DS-CJ0052-REG	03-NOV-99	~~11:00~~	8 oz CWM	1	None except cool to 4 C	Lead by 6010B, PAH's by 8310	N		
CJ0052	UST-48-GP01-DS-CJ0052-REG	03-NOV-99	~~11:00~~	5 g EnCore	3	None except cool to 4 C	BTEX by 8021B	N		
CJ0053	UST-48-GP01-DS-CJ0053-FD	03-NOV-99	~~11:00~~	8 oz CWM	1	None except cool to 4 C	Lead by 6010B, PAH's by 8310	N		
CJ0053	UST-48-GP01-DS-CJ0053-FD	03-NOV-99	~~11:00~~	5 g EnCore	3	None except cool to 4 C	BTEX by 8021B	N		
CJ0054	UST-48-GP02-DS-CJ0054-REG	03-NOV-99	11:00	8 oz CWM	1	None except cool to 4 C	Lead by 6010B, PAH's by 8310	N		
CJ0054	UST-48-GP02-DS-CJ0054-REG	03-NOV-99	11:00	5 g EnCore	3	None except cool to 4 C	BTEX by 8021B	N		

HYL100279

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-121099-QSK

Project Number: 774645
Project Name: Fort McClellan
Sample Coordinator: Jason Brown
Turnaround Time: NORMAL

Samples Shipment Date: 10-DEC-99
ab Destination: Quanterra Environmental Services - Knoxville
Lab Contact: John Reynolds
Project Contact: Randy McBride
Carrier/Waybill No.: IT PERSONNEL/JAMES DENDY

Bill To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Report To: Duane Nielsen, 312 Directors Drive, Knoxville TN 37923

Special Instructions: NONE

Possible Hazard Indentification: Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

1. Relinquished By (Signature/Affiliation) IT Corp	Date: 12/10/99 Time: 1105	1. Received By (Signature/Affiliation) IT Corp	Date: 12/10/99 Time: 1105
2. Relinquished By (Signature/Affiliation) IT Corp	Date: 12/10/99 Time: 1600	2. Received By (Signature/Affiliation) Daniel D. Flores	Date: 12-10-99 Time: 1600
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: NONE

Rec'd Temp 3°C
Custody seals intact
D.F. 12-10-99

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY0030	FTA-145-GP13-SS-CY0030-REG	10-DEC-99	09:40	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0030	FTA-145-GP13-SS-CY0030-REG	10-DEC-99	09:40	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0031	FTA-145-GP13-DS-CY0031-REG	10-DEC-99	09:50	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0031	FTA-145-GP13-DS-CY0031-REG	10-DEC-99	09:50	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
CY0032	FTA-145-GP14-SS-CY0032-REG	10-DEC-99	09:55	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0032	FTA-145-GP14-SS-CY0032-REG	10-DEC-99	09:55	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-121099-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY0033	FTA-145-GP14-DS-CY0033-REG	10-DEC-99	10:10	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
CY0033	FTA-145-GP14-DS-CY0033-REG	10-DEC-99	10:10	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		

HOA070173

IT CORPORATION
A Member of The IT Group

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 145-010600-QSK

Project Number: 774645
Project Name: Fort McClellan
Sample Coordinator: Jason Brown
Turnaround Time: NORMAL

Samples Shipment Date: 07 JAN 2000
ab Destination: Quanterra Environmental Services - Knoxville
Lab Contact: John Reynolds
Project Contact: Randy McBride
Carrier/Waybill No.: Quality Express/Courier

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions: None

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☐ Archive (mos.)

1. Relinquished By (Signature/Affiliation) FT Co-p	Date: 01/07/00 Time: 0903	1. Received By (Signature/Affiliation)	Date: 01/07/00 Time: 0903
2. Relinquished By (Signature/Affiliation)	Date: 01/07/00 Time: 1450	2. Received By (Signature/Affiliation)	Date: 1-7-00 Time: 14:50
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: None

Recd at 2°C
Custody Seals Intact
JW 1-7-00

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
CY3013	FTA-145-GP13-GW-CY3013-REG	06 JAN 2000	09:12	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
CY3013	FTA-145-GP13-GW-CY3013-REG	06 JAN 2000	09:12	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
CY3013	FTA-145-GP13-GW-CY3013-REG	06 JAN 2000	09:12	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		PH<2

APPENDIX B

BORING LOGS AND WELL CONSTRUCTION LOGS

BORING LOGS

HTRW DRILLING LOG

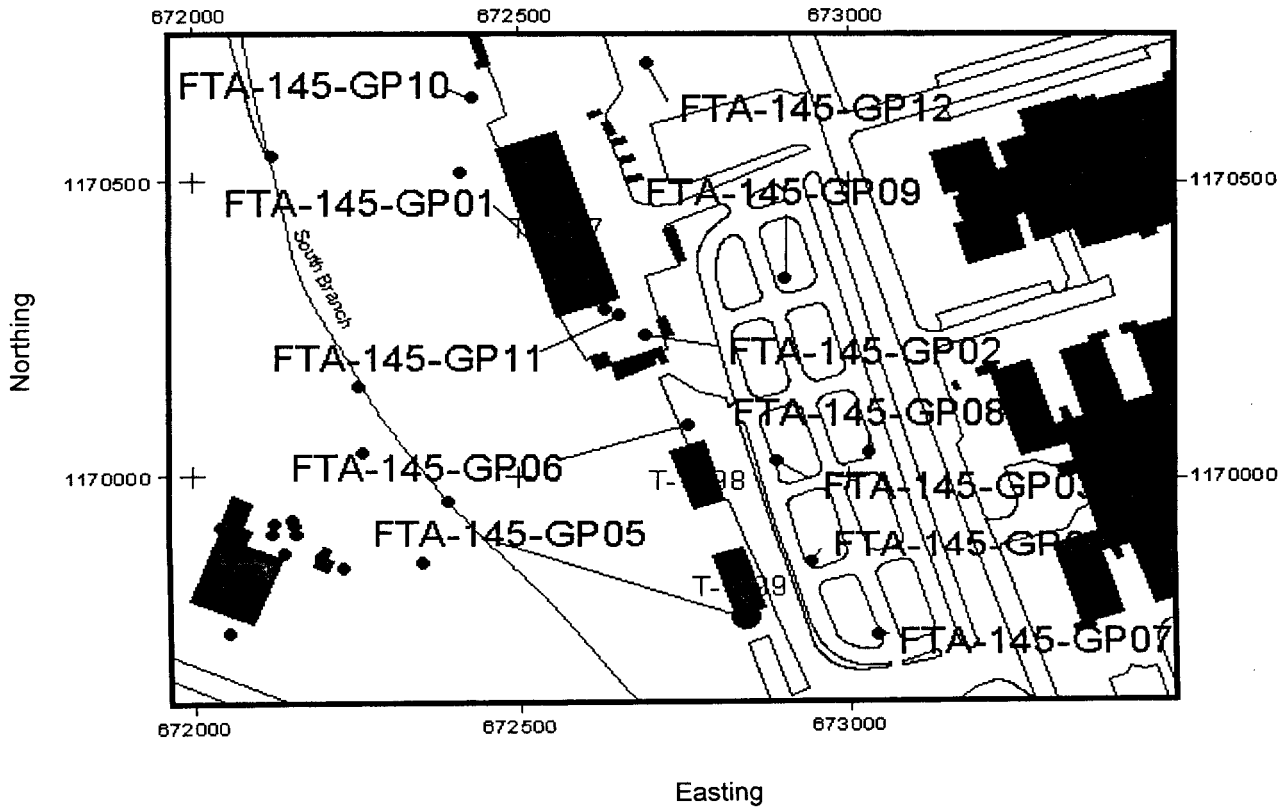
HOLE NUMBER FTA-145-GP01

1. Company name: **IT Corporation**	2. Drill Subcontractor: TEG	Sheet 1 of 2 sheets

3. Project: Fort McClellan	4. Location: Former Motor Pool 1800/1900
5. Name of driller: Sammy McDaniels	6. Mfr designation of drill: Geoprobe
7. Sizes and types of drilling and sampling equipment: Direct Push 4' x 2" acetate-lined sampler	8. Hole location FTA-145-GP01 9. Surface elevation (feet above mean sea level): 775.845 10. Date started: 10/01/98 11. Date completed: 10/01/98
12. Overburden thickness (feet bgs): >8	15. Depth groundwater encountered (feet bgs):
13. Depth drilled into rock (feet bgs):	16. Depth to water and elapsed time after drilling completed (feet bgs):
14. Total depth of hole (feet bgs): 8	17. Other water level measurements (specify):

18. Geotechnical samples:	Disturbed:		Undisturbed:	19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	TCL VOCs	TCL SVOCs	TAL Metals	N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
	X			DAN PETERMAN		

LOCATION SKETCH/COMMENTS:



Project: Fort McClellan

bgs= below ground surface
NA = Not applicable

Hole no.: FTA-145-GP01

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP01

Project: Fort McClellan | Geologist: DAN PETERMAN | Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	0	cl: CLAY, some Sand, soft, dry to slightly damp, Quartz fragments, yellowish brown, minor Quartz grains.							Rec 17" (35%)
775	1				Organic Vapor = 38.2ppm				
	2		cl		Organic Vapor = 101.4pp				
	3								
	4	ch: CLAY, some Silt, very soft, medium to high plasticity, gray to yellowish brown, Quartzite fragments (4%).			Organic Vapor = 4.3ppm				Rec 39" (81%)
	5				Organic Vapor = 17.8ppm				
770	6		ch		Organic Vapor = 51.3ppm		CY0001		
	7				Organic Vapor = 50.6ppm				Total depth = 8.0". Bottom of borehole. Refusal at 8.0'.
	8								

HTRW DRILLING LOG

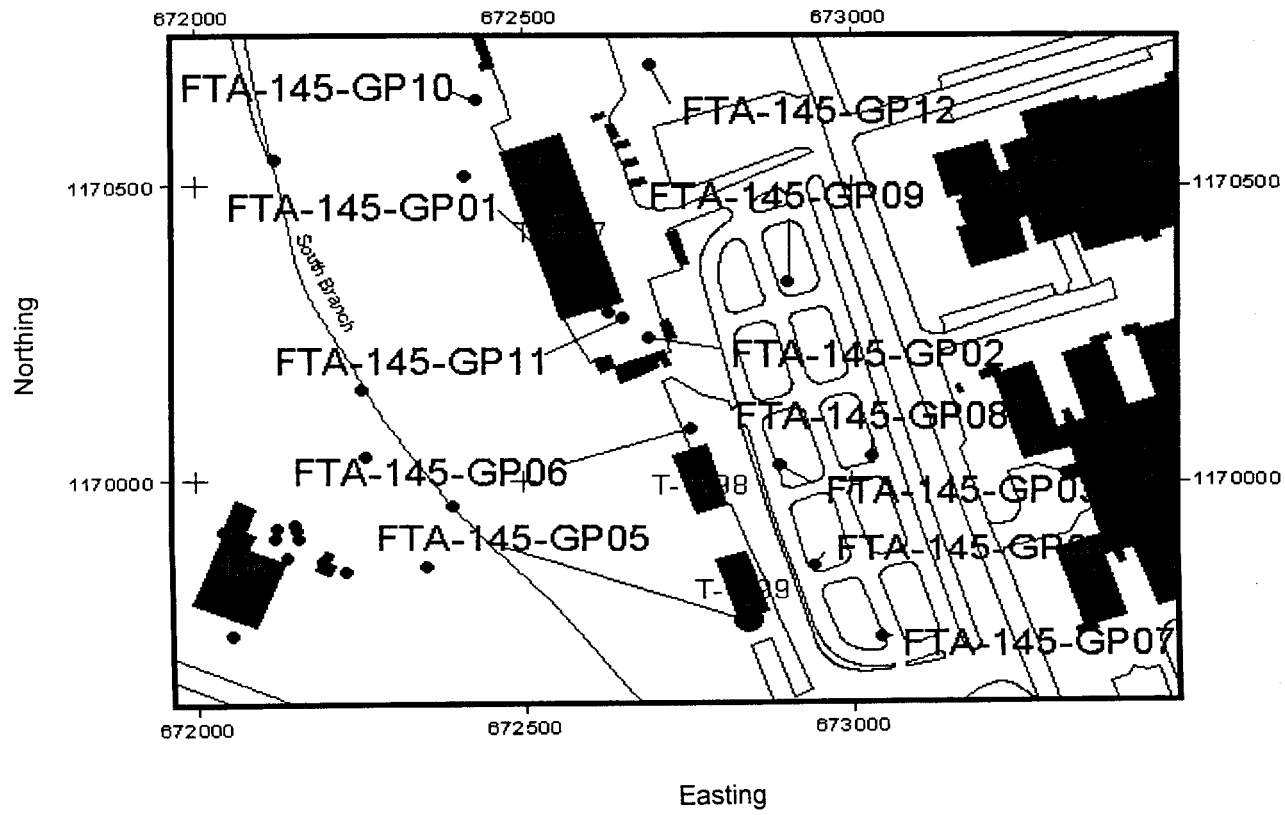
HOLE NUMBER FTA-145-GP02

1. Company name: **IT Corporation**	2. Drill Subcontractor: TEG/Miller Drilling Co.	Sheet 1 of 3 sheets

3. Project: Fort McClellan	4. Location: Former Motor Pool 1800/1900
5. Name of driller: Sammy McDaniels/ Doug Bishop	6. Mfr designation of drill: Geoprobe/CME-550
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP- 4' x 2" acetate-lined sampler HSA- 5' x 8" od augers, 2' x 2" steel split spoons.	8. Hole location FTA-145-GP02 9. Surface elevation (feet above mean sea level): 776.18 10. Date started: 10/01/98 11. Date completed: 10/01/98
12. Overburden thickness (feet bgs): >12	15. Depth groundwater encountered (feet bgs):
13. Depth drilled into rock (feet bgs):	16. Depth to water and elapsed time after drilling completed (feet bgs):
14. Total depth of hole (feet bgs): 12	17. Other water level measurements (specify):

18. Geotechnical samples:	Disturbed:		Undisturbed:	19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	TCL VOCs	TCL SVOCs	TAL Metals	N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Temp. well		D. PETERMAN & J.JENKINS		

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP02

Project: Fort McClellan | Geologist: D. PETERMAN & J.JENKINS | Sheet 2 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	0	cl: CLAY, some Sand, dry to slightly damp, some Silt, medium plasticity, white-brown to dark gray, some Gravels.	cl		Organic Vapor = 77.2ppm		CY0002		Rec 12" (100%)
775	1				Organic Vapor = 33.9ppm				Rec 43" (89%)
		cl: CLAY, soft, friable, medium plasticity, damp, mottled, white and yellowish brown, red staining.							
	2		cl		Organic Vapor = 98.2ppm				
		ch: CLAY, some Sand and Silt, gray to dark gray, soft, medium to high plasticity, damp to slightly damp.							
	3				Organic Vapor = 94.8ppm		CY0003		
	4		ch		Organic Vapor = 73.7ppm				
	5	cl: CLAY, some Silt, friable, dry, yellowish brown, with gray mottling, medium stiff.			Organic Vapor = 78.2ppm				Rec 39"
			cl						
770	6				Organic Vapor = 30.7ppm				
		cl: CLAY, shaley, brittle, loose fragments of Shale.							
	7		cl		Organic Vapor = 18.6ppm				
	8	sh: SHALE, dark gray, weathered, damp.			Organic Vapor = 0.0ppm				Blow 36 50 (4) Rec 1.0', direct push refusal at 8'.
	9		sh						

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP02

Project: Fort McClellan

Geologist: D. PETERMAN & J.JENKINS

Sheet 3 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	10	sh: SHALE, dark gray, weathered, dry.							Blow 20 50 (3)
765	11		sh						12.0' auger refusal. Bottom of borehole 12.0'.
	12								

HTRW DRILLING LOG

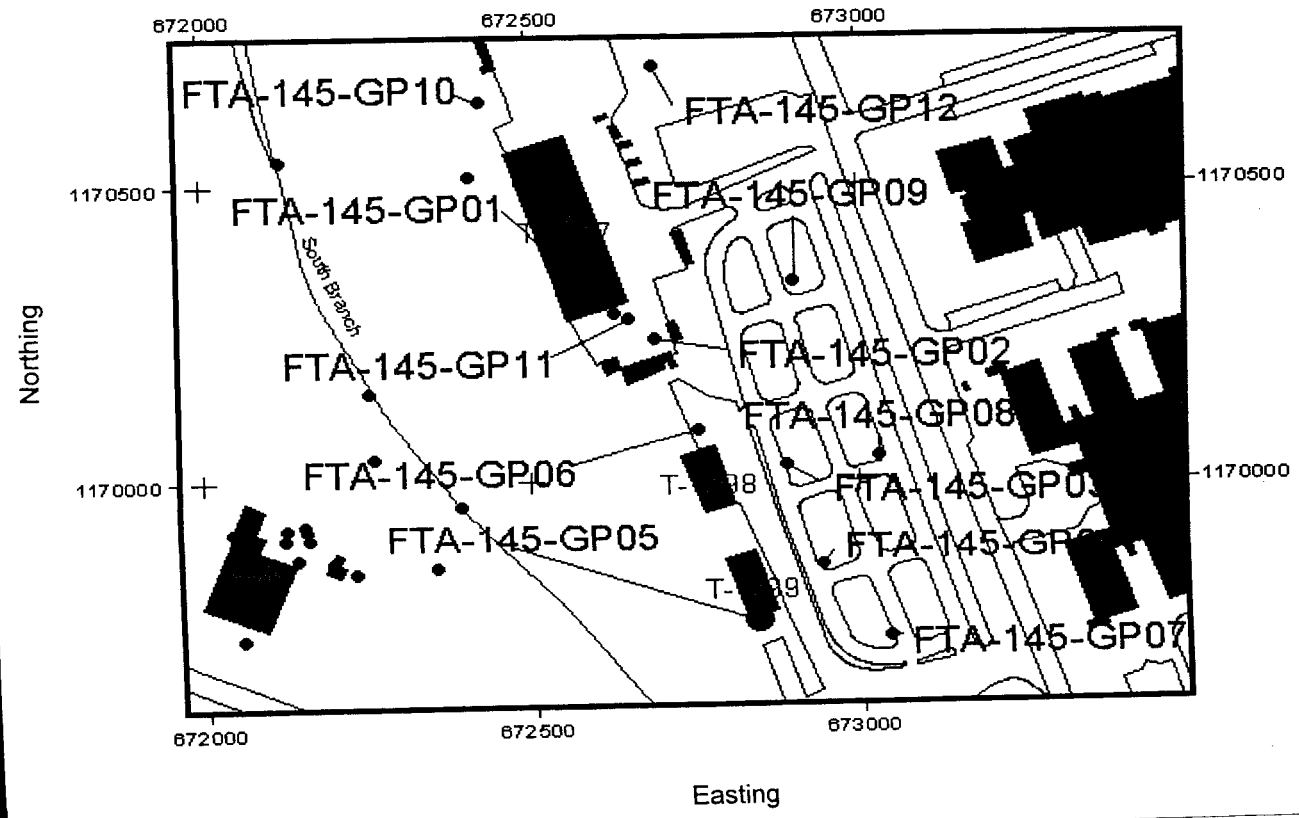
HOLE NUMBER
FTA-145-GP03

1. Company name: IT Corporation	2. Drill Subcontractor: TEG & MILLER DRILLING	Sheet 1 of 3 sheets

3. Project: Fort McClellan	4. Location: Former Motor Pool 1800/1900
5. Name of driller: Sammy McDaniels/ Jeff Brownfield	6. Mfr designation of drill: Geoprobe/CME-85 Mobile Drill rig
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP- 4' x 2" acetate-lined sampler HSA- 5' x 8" od augers, 2' x 2" steel split spoons.	8. Hole location FTA-145-GP03 9. Surface elevation (feet above mean sea level): 779.51 10. Date started: 10/01/98 11. Date completed: 12/10/98
12. Overburden thickness (feet bgs): >20	15. Depth groundwater encountered (feet bgs): 12 Ft
13. Depth drilled into rock (feet bgs):	16. Depth to water and elapsed time after drilling completed (feet bgs):
14. Total depth of hole (feet bgs): 20	17. Other water level measurements (specify):

18. Geotechnical samples:	Disturbed:		Undisturbed:	19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	TCL VOCs	TCL SVOCs	TAL Metals	N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Temp. well		D. PETERMAN & B. RHODES		

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP03

Project: Fort McClellan | Geologist: D. PETERMAN & B. RHODES | Sheet 2 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	0	cl: CLAY, some Silt, brown, gray, white, low plasticity, soft, dry, Shale fragments.	cl		Organic Vapor = 0.1ppm		CY0004		Rec 50%
	1								
		cl: CLAY, medium plasticity, moderately stiff, reddish brown, slightly damp.	cl						
	2								Rec 1.0'
		cl: CLAY, gray, soft, greenish gray, organic black precipitate, Shale fragments.	cl						
	3								
	4								
775									
	5	cl: CLAY, mottled, reddish brown to gray, highly fragmented, friable, slightly damp, Quartz and Shale, shaley, platey with depth.	cl				CY0005		
	6								
	7								
	8	sh: SHALE, soft, dry, weathered, gray.							Direct push refusal at 8.0'.
	9								
770									

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP03

Project: Fort McClellan | Geologist: D. PETERMAN & B. RHODES | Sheet 3 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	10		sh		Organic Vapor = 0.0ppm				
	11								
	12	sh: SHALE, soft, wet, weathered, gray.							
	13								
	14								
765									
	15				Organic Vapor = 0.0ppm				
	16		sh						
	17								
	18								
	19								
760									Bottom of borehole is 20.0'.
	20								

HTRW DRILLING LOG

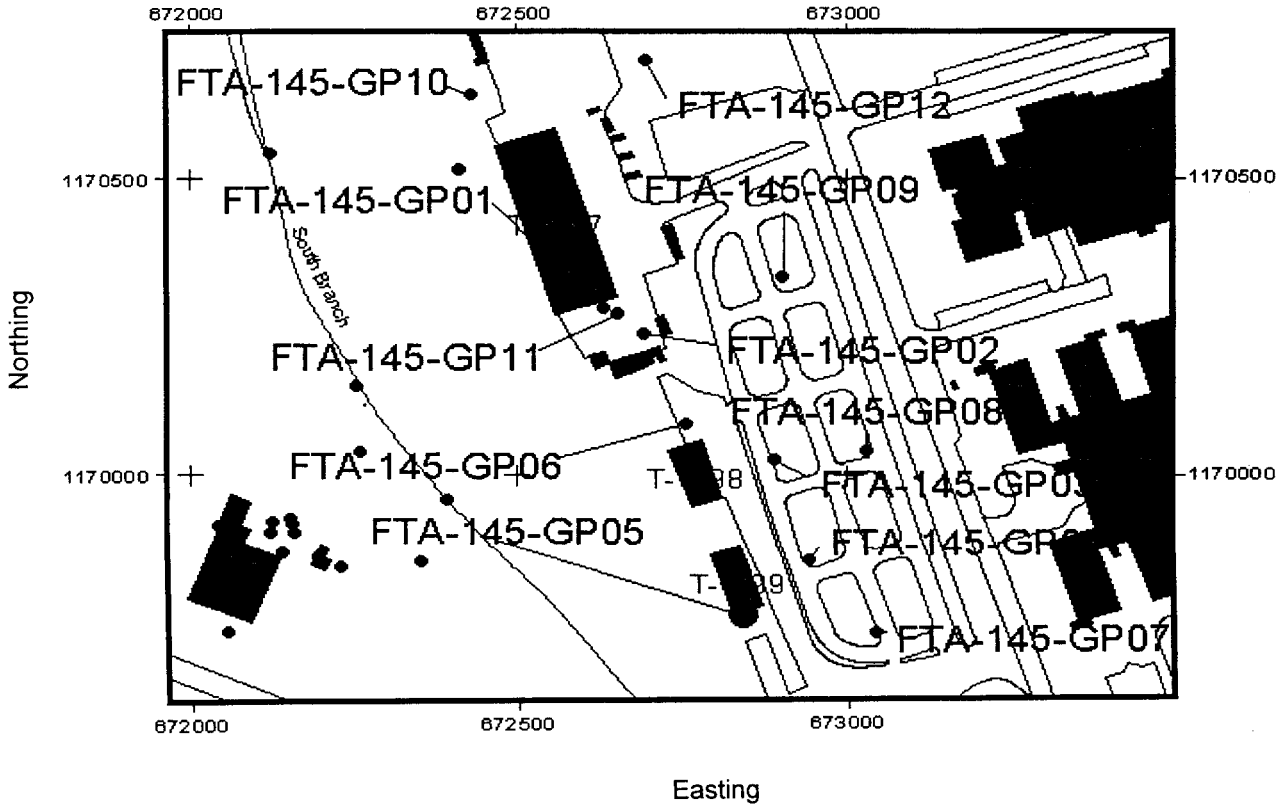
HOLE NUMBER FTA-145-GP04

1. Company name: **IT Corporation**	2. Drill Subcontractor: TEG & MILLER DRILLING	Sheet 1 of 4 sheets

3. Project: Fort McClellan	4. Location: Former Motor Pool 1800/1900
5. Name of driller: Sammy McDaniels/Jeff Brownfield	6. Mfr designation of drill: Geoprobe/ CME-85 Mobile Drill Rig
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP- 4' x 2" acetate-lined sampler HSA- 5' x 8"od augers, 2' x 2" steel split spoons.	8. Hole location FTA-145-GP04 9. Surface elevation (feet above mean sea level): 779.18 10. Date started: 10/01/98 11. Date completed: 12/10/98
12. Overburden thickness (feet bgs): >25	15. Depth groundwater encountered (feet bgs): 15 Ft
13. Depth drilled into rock (feet bgs):	16. Depth to water and elapsed time after drilling completed (feet bgs):
14. Total depth of hole (feet bgs): 25	17. Other water level measurements (specify):

18. Geotechnical samples:	Disturbed:		Undisturbed:	19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	TCL VOCs	TCL SVOCs	TAL Metals	N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Temp. well		D. PETERMAN & B. RHODES		

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP04

Project: Fort McClellan | Geologist: D. PETERMAN & B. RHODES | Sheet 2 of 4 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	0	sm-ml: SILT and fine SAND, coarse grained (20%), Shale and Quartz fragments (1"-3"), yellowish brown to brown, very loose, dry to slightly damp.	sm-ml		Organic Vapor = 0.0ppm		CY0006		Rec 100%
	1								Rec 34" (70%)
	2	cl: CLAY, some Sand, friable, dry, low plasticity, yellowish brown.	cl		Organic Vapor = 0.0ppm				
	3	cl: CLAY, some Silt, medium plasticity, very soft, brown, slightly damp, Shale, fragments (large).	cl		Organic Vapor = 0.0ppm		CY0007		
775	4								
	5	sh: Becoming shaley at 5'.	sh		Organic Vapor = 0.0ppm				
	6	sh: SHALE, dry, weathered, brown, hard.	sh						Direct push refusal at 6.0'.
	7								
	8	sh: SHALE, dry, weathered, gray, hard.							
770	9								

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP04

Project: Fort McClellan | Geologist: D. PETERMAN & B. RHODES | Sheet 3 of 4 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	10				Organic Vapor = 0.0ppm				
	11		sh						
	12								
	13								
765	14								
	15	sh: SHALE, damp, soft, weathered, gray.							
	16				Organic Vapor = 0.0ppm				
	17								
	18								
760	19								
	20								

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP04

Project: Fort McClellan | Geologist: D. PETERMAN & B. RHODES | Sheet 4 of 4 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
			sh		Organic Vapor = 0.0ppm				
	21								21
	22								22
	23								23
	24								24
755									
									Total depth is 25'. Bottom of borehole is 25'.
	25								25

HTRW DRILLING LOG

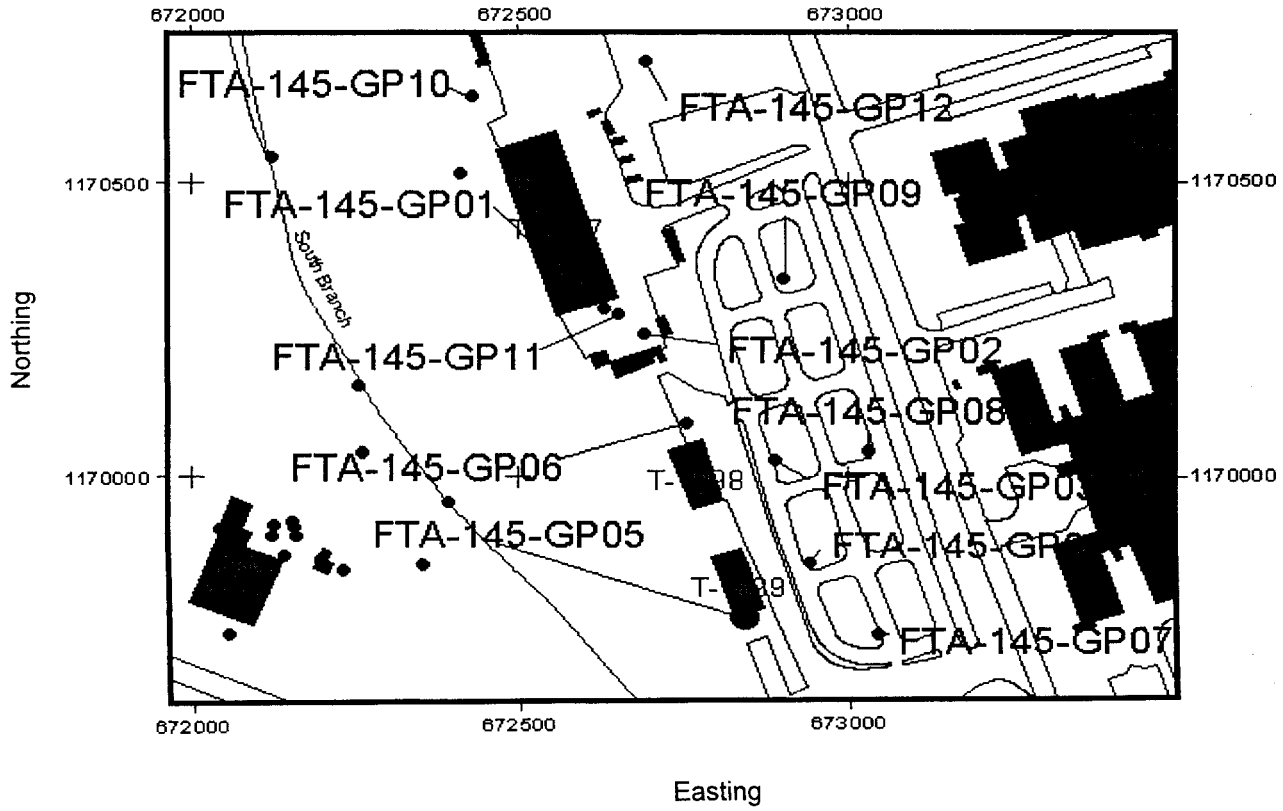
HOLE NUMBER FTA-145-GP05

1. Company name: **IT Corporation**	2. Drill Subcontractor: TEG & MILLER DRILLING	Sheet 1 of 3 sheets

3. Project: Fort McClellan	4. Location: Former Motor Pool 1800/1900
5. Name of driller: Sammy McDaniels/ Jeff Brownfield	6. Mfr designation of drill: Geoprobe/ CME-85 Mobile Drill Rig
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP- 4' x 2" acetate-lined sampler HSA- 5' x 8"od augers, 2' x 2" steel split spoons	8. Hole location FTA-145-GP05 9. Surface elevation (feet above mean sea level): 775.81 10. Date started: 10/01/98 11. Date completed: 12/09/98
12. Overburden thickness (feet bgs): 17	15. Depth groundwater encountered (feet bgs): 12 Ft
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs):
14. Total depth of hole (feet bgs): 17	17. Other water level measurements (specify):

18. Geotechnical samples:	Disturbed:		Undisturbed:	19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	TCL VOCs	TCL SVOCs	TAL Metals	N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Temp. well		D. PETERMAN & B. RHODES		

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP05

Project: Fort McClellan | Geologist: D. PETERMAN & B. RHODES | Sheet 2 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	0	ol: Dark organic CLAY and SILT, loose, weathered Shale fragments, Quartz grains within mixture.	ol		Organic Vapor = 0.2ppm		CY0008		Rec 100%
775	1	cl: Very stiff, CLAY, some Silt, low plasticity, dry, Quartz fragments.	cl		Organic Vapor = 0.1ppm				Rec 48" (100%)
	2	cl: CLAY, brown, platy, low to medium plasticity, becoming reddish brown at 4.8'.	cl		Organic Vapor = 0.1ppm				
	3				Organic Vapor = 0.2ppm				
	4				Organic Vapor = 0.1ppm				
	5	ch: CLAY, some Silt, soft, yellowish brown, slightly damp, high plasticity.	ch		Organic Vapor = 0.1ppm				Rec 31" (86%)
770	6				Organic Vapor = 0.2ppm		CY0009		
	7	cl: CLAY, shaley, brittle, gray to reddish brown mottling, friable.	cl		Organic Vapor = 0.1ppm				
	8	sh: SHALE, gray, dry.							Direct push refusal at 8'.
	9								

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP05

Project: Fort McClellan

Geologist: D. PETERMAN & B. RHODES

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	10		sh						10
765	11								11
	12	sh: SHALE, gray, damp.							12
	13								13
	14		sh						14
	15								15
760	16								16
	17								Auger refusal and bottom at 17.0'. 17

HTRW DRILLING LOG

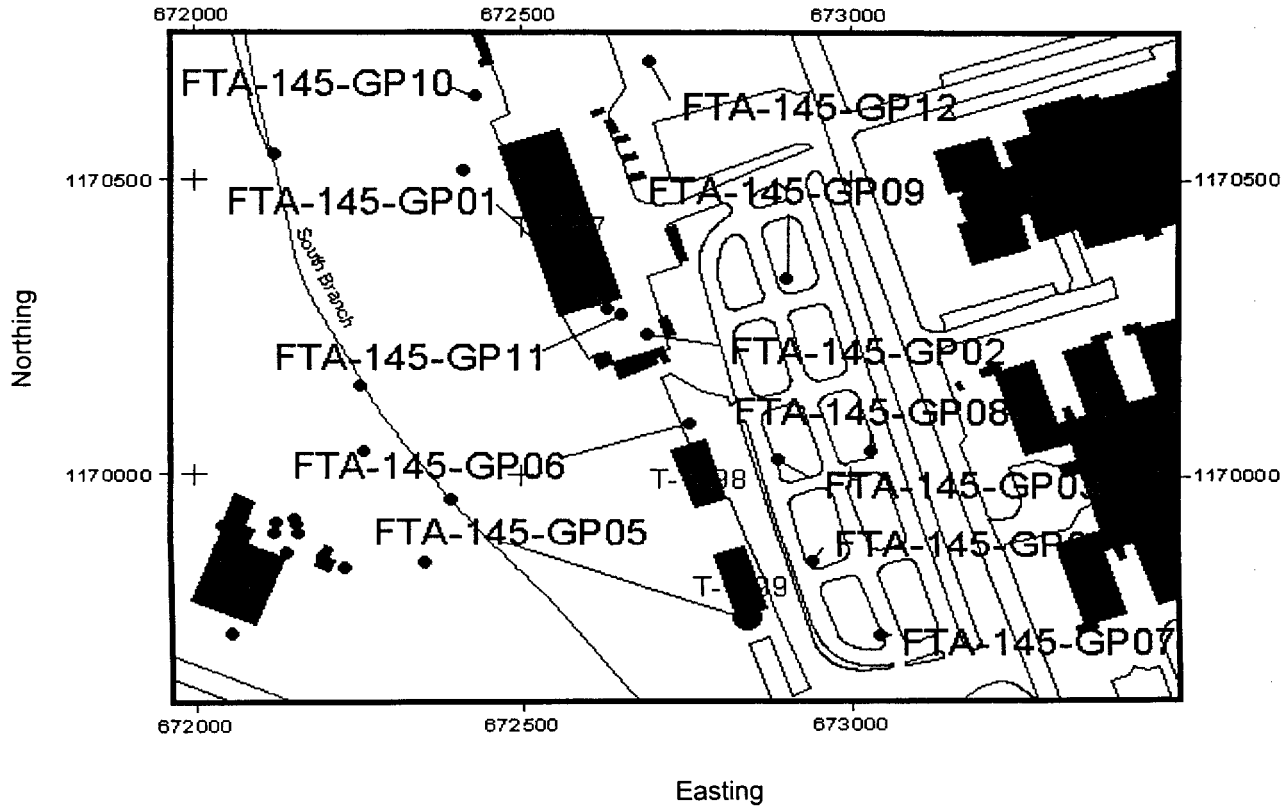
HOLE NUMBER
FTA-145-GP06

1. Company name: IT Corporation	2. Drill Subcontractor: TEG & MILLER DRILLING	Sheet 1 of 3 sheets

3. Project: Fort McClellan	4. Location: Former Motor Pool Area 1800/1900
5. Name of driller: Sammy McDaniels/ Jeff Brownfield	6. Mfr designation of drill: Geoprobe/CME-85 Mobile Drill Rig
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP- 4' x 2" acetate-lined sampler HSA- 5' x 8"od augers, 2' x 2" steel split spoons.	8. Hole location FTA-145-GP06 9. Surface elevation (feet above mean sea level): 777.10 10. Date started: 12/01/98 11. Date completed: 12/11/98
12. Overburden thickness (feet bgs): >13.5	15. Depth groundwater encountered (feet bgs): 11 Ft
13. Depth drilled into rock (feet bgs):	16. Depth to water and elapsed time after drilling completed (feet bgs):
14. Total depth of hole (feet bgs): 13.5	17. Other water level measurements (specify):

18. Geotechnical samples:	Disturbed:	Undisturbed:		19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	TCL VOCs	TCL SVOCs	TAL Metals	N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Temp. well		J.JENKINS & B. RHODES		

LOCATION SKETCH/COMMENTS:



HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP06

Project: Fort McClellan | Geologist: J.JENKINS & B. RHODES | Sheet 2 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	0	cl: CLAY, some Silt, reddish brown to gray, low plasticity, soft, Quartzite fragments, slightly damp, organic black precipitate.	cl		Organic Vapor = 0.0ppm		CY0010		Blow 2 5 6 4 Rec 100%
	1								
		cl: CLAY, slightly damp, red stained coarse Quartz grains at 3.5', mottled black and gray, becoming friable at 4'.	cl		Organic Vapor = 0.0ppm				
775	2								Blow 3 3 3 2 Rec 6"
	3						CY0013		
	4				Organic Vapor = 0.0ppm				Blow 1 2 3 4 Rec 1.0'
	5	cl: Orange, low to medium plasticity, damp, soft, CLAY, some brown Shale.							Direct push refusal at 5'.
	6		cl		Organic Vapor = 0.0ppm				Blow 1 6 16 19 Rec 1.0'
770	7								
	8	sh: SHALE, brown, hard weathered.	sh		Organic Vapor = 0.0ppm				
	9								Blow 7 12 16 35 Rec 18"
		sh: SHALE, gray, hard weathered.							

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP06

Project: Fort McClellan | Geologist: J.JENKINS & B. RHODES | Sheet 3 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	10		sh		Organic Vapor = 0.0ppm				10
	11	sh: SHALE, gray, weathered, damp.							11
765	12		sh						12
	13								Bottom of borehole is 13.5'. 13

HTRW DRILLING LOG

HOLE NUMBER FTA-145-GP07

1. Company name: IT Corporation	2. Drill Subcontractor: TEG & MILLER DRILLING	Sheet 1 of 3 sheets

3. Project: Fort McClellan	4. Location: Former Motor Pool 1800/1900
5. Name of driller: Sammy McDaniels/ Doug Bishop	6. Mfr designation of drill: Geoprobe/ CME-550 Mobile Drill Rig
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP- 4' x 2" acetate-lined sampler HSA- 5' x 8" od augers, 2' x 2" steel split spoons.	8. Hole location FTA-145-GP07 9. Surface elevation (feet above mean sea level): 780.91 10. Date started: 12/02/98 11. Date completed: 12/10/98
12. Overburden thickness (feet bgs): 20	15. Depth groundwater encountered (feet bgs): 20 Ft
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs):
14. Total depth of hole (feet bgs): 20	17. Other water level measurements (specify):

18. Geotechnical samples:	Disturbed:		Undisturbed:	19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	TCL VOCs	TCL SVOCs	TAL Metals	N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Temp. well		JOSH JENKINS		

LOCATION SKETCH/COMMENTS:

Project: Fort McClellan

bgs= below ground surface
NA = Not applicable

Hole no.: FTA-145-GP07

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP07

Project: Fort McClellan | Geologist: JOSH JENKINS | Sheet 2 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	0	cl: SAND, some Silt, trace Clay, low plasticity, gray mottled, dry to slightly damp, friable, Quartz and Shale fragments.	cl		Organic Vapor = 0.0ppm		CY0014		Rec 100%
780	1	cl: CLAY, some Silt, reddish to yellowish brown.	cl		Organic Vapor = 0.0ppm				Rec 38" (75%)
	2	cl: CLAY, platy, friable, Shale fragments.	cl		Organic Vapor = 0.0ppm				
	3								
	4								
	5	cl: CLAY, soft, mottled, gray.	cl		Organic Vapor = 0.0ppm				Rec 34" (75%)
775	6	cl: CLAY, soft to medium stiff, slightly damp, medium to high plasticity, becoming shaley at 8.7'.			Organic Vapor = 0.0ppm				
	7		cl				CY0015		
	8								
	9	sh: SHALE, weathered, dark gray, damp, vertical bedding features.			Organic Vapor = 0.0ppm				

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP07

Project: Fort McClellan | Geologist: JOSH JENKINS | Sheet 3 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	10				Organic Vapor = 0.0ppm				Blow 12 50 (5) Rec 0.9'
770	11								
	12		sh						
	13								
	14								
	15	sh: SHALE, dark gray, weathered, dry.							
765	16								
	17		sh						
	18								
	19	sh: SHALE, dark gray, weathered, damp to wet.							
	20		sh						Auger refusal at 20'. Bottom of boring. Description from cuttings.

HTRW DRILLING LOG

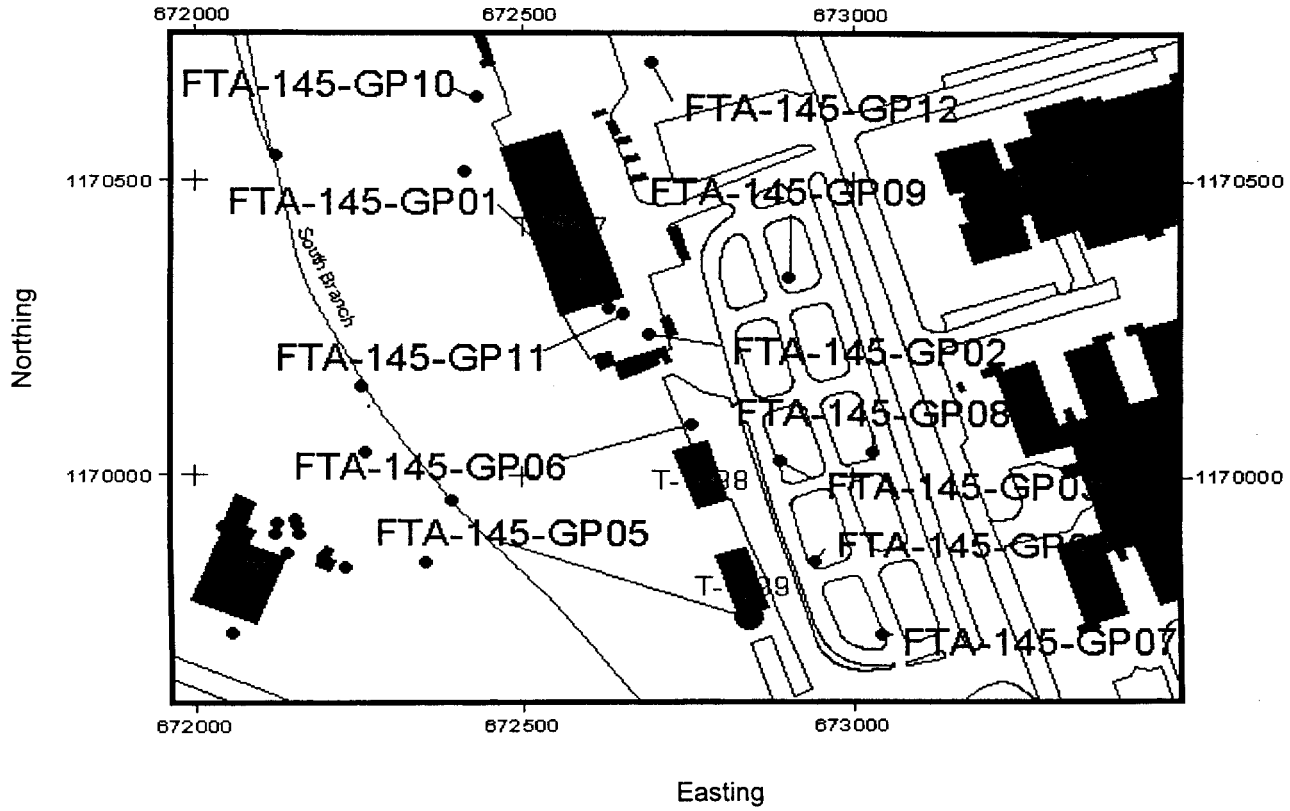
HOLE NUMBER FTA-145-GP08

1. Company name: **IT Corporation**	2. Drill Subcontractor: TEG & MILLER DRILLING	Sheet 1 of 3 sheets

3. Project: Fort McClellan	4. Location: Former Motor Pool 1800/1900
5. Name of driller: Sammy McDaniels/ Jeff Brownfield	6. Mfr designation of drill: Geoprobe/CME-85 Mobile Drill Rig
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP-4' x 2" acetate-lined sampler HSA- 5' x 8" od augers, 2' x 2" steel split spoons	8. Hole location FTA-145-GP08 9. Surface elevation (feet above mean sea level): 784.54 10. Date started: 10/01/98 11. Date completed: 12/10/98
12. Overburden thickness (feet bgs): >17	15. Depth groundwater encountered (feet bgs): 15 Ft
13. Depth drilled into rock (feet bgs):	16. Depth to water and elapsed time after drilling completed (feet bgs):
14. Total depth of hole (feet bgs): 17	17. Other water level measurements (specify):

18. Geotechnical samples:	Disturbed:		Undisturbed:	19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	TCL VOCs	TCL SVOCs	TAL Metals	N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Temp. well		D.PETERMAN & J.JENKINS		

LOCATION SKETCH/COMMENTS:



HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP08

Project: Fort McClellan | Geologist: D.PETERMAN & J.JENKINS | Sheet 2 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	0	cl-sm: SAND, some Silt and Clay, Shale fragments, yelowish brown, gray Clay traces.	cl-sm		Organic Vapor = 0.1ppm		CY0016		Rec 100%
	1	cl: CLAY, some Silt, medium stiff to soft, Shaley, reddish brown, dry, black organic precipitate.	cl						Rec 45" (93%)
	2								
	3								
	4								
780									
	5	cl: CLAY, increased shaley with depth, gray mottling at 7.4' to 7.7', dry, friable.							Rec 42" (87%)
	6								
	7		cl		Organic Vapor = 0.0ppm		CY0017		
	8								
	9	sh: SHALE, soft, dry, weathered, brown.			Organic Vapor = 0.0ppm				Direct push refusal at 9'.
775									

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP08

Project: Fort McClellan | Geologist: D.PETERMAN & J.JENKINS | Sheet 3 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	10		sh		Organic Vapor = 0.0ppm				
	11				Organic Vapor = 0.0ppm				
	12	sh: SHALE, soft, dry, weathered, gray.							
	13		sh						
	14								
770									
	15	sh: SHALE, soft, damp, weathered, gray.			Organic Vapor = 0.0ppm				
	16		sh		Organic Vapor = 0.0ppm				Bottom of borehole 17'.
	17								

HTRW DRILLING LOG

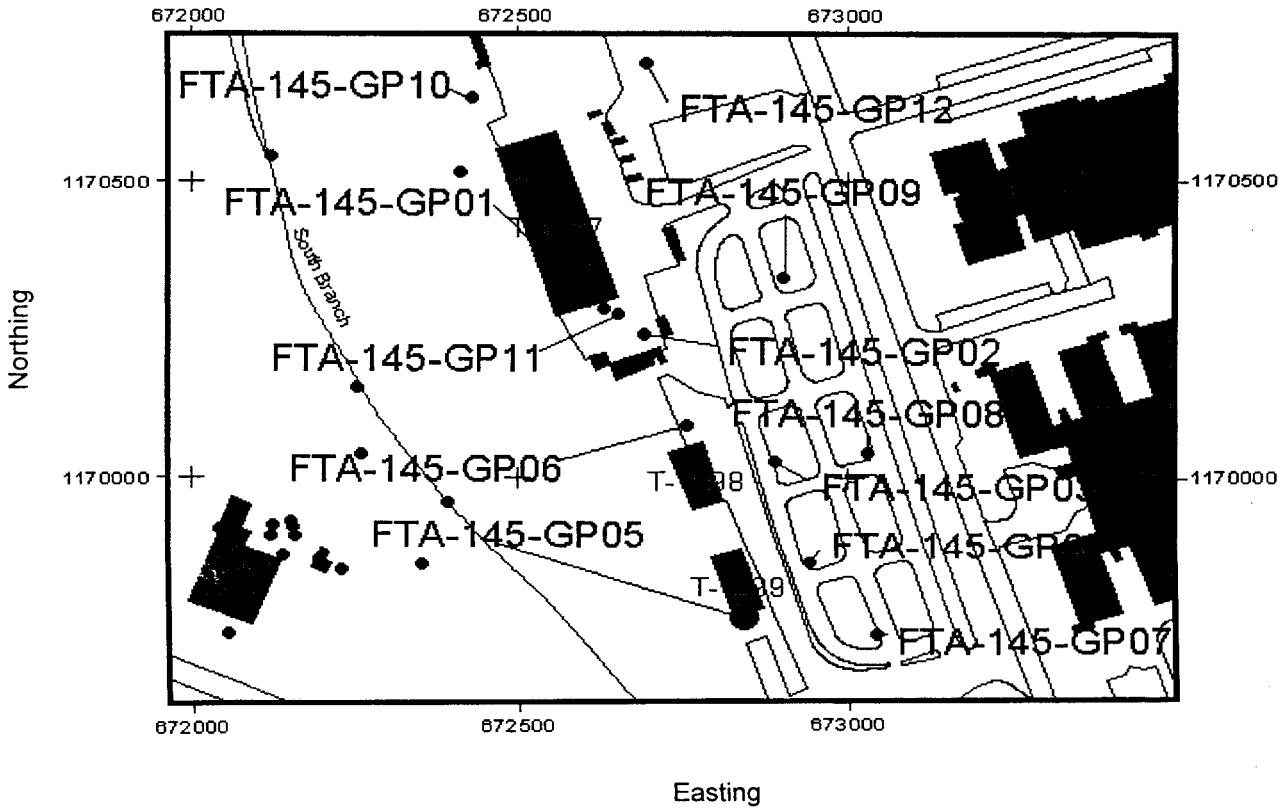
HOLE NUMBER FTA-145-GP09

1. Company name: IT Corporation	2. Drill Subcontractor: TEG & MILLER DRILLING	Sheet 1 of 4 sheets

3. Project: Fort McClellan	4. Location: Former Motor Pool Area 1800/1900
5. Name of driller: Sammy McDaniels/ Doug Bishop	6. Mfr designation of drill: Geoprobe/CME-550 Mobile Drill Rig
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP- 4' x 2" acetate-lined sampler HSA- 5' x 8"od augers, 2' x 2" steel split spoons.	8. Hole location FTA-145-GP09 9. Surface elevation (feet above mean sea level): 787.69 10. Date started: 10/01/98 11. Date completed: 12/10/98
12. Overburden thickness (feet bgs): >24	15. Depth groundwater encountered (feet bgs): 15 Ft
13. Depth drilled into rock (feet bgs):	16. Depth to water and elapsed time after drilling completed (feet bgs):
14. Total depth of hole (feet bgs): 24	17. Other water level measurements (specify):

18. Geotechnical samples:	Disturbed:		Undisturbed:	19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	TCL VOCs	TCL SVOCs	TAL Metals	N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Temp. well		D.PETERMAN & J.JENKINS		

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP09

Project: Fort McClellan | Geologist: D.PETERMAN & J.JENKINS | Sheet 2 of 4 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	0	sm: SAND, some Silt, yellowish brown to brown, loose, dry, Shale fragments.	sm		Organic Vapor = 0.2ppm		CY0018		Rec 100%
	1	cl: CLAY, some Silt, low plasticity, Shale fragments, dry, minor gray mottling.	cl		Organic Vapor = 0.3ppm				Rec 48" (100%)
	2				Organic Vapor = 0.4ppm				
785	3				Organic Vapor = 0.2ppm		CY0019		
	4	cl: CLAY, medium stiff, slightly friable, black organic precipitate, stringers, dry.	cl		Organic Vapor = 0.2ppm				
	5	cl: Light brown and yellowish orange mottled, lean, CLAY, dry, bedding structures present.	cl		Organic Vapor = 0.0ppm				Blow 3 5 7 17 Rec 20', Direct push refusal at 5'.
	6								
	7	cl-ml: Yellowish orange and light gray mottled, lean, CLAY and SILT, dry, bedding structures present.	cl-ml		Organic Vapor = 0.0ppm				Blow 14 23 31 46
780	8								
	9	cl-ml: Yellowish orange and dark gray lean, CLAY and SILT, dry, bedding structures present.			Organic Vapor = 0.0ppm				Blow 17 27 24 24 Rec 1.8'

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP09

Project: Fort McClellan | Geologist: D.PETERMAN & J.JENKINS | Sheet 3 of 4 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	10		cl-ml						
	11	cl-ml: Yellowish orange and dark gray mottled, lean, CLAY and SILT, little Gravel, dry, bedding structures present.			Organic Vapor = 0.0ppm				Blow 18 20 20 50 (5) Rec 1.7'
	12								
775									
	13		cl-ml						
	14								
	15	sh: SHALE, dark gray, weathered, damp to dry.			Organic Vapor = 0.0ppm				Blow 27 50 (3) Rec 0.9'
	16								
	17								
770									
	18								
	19		sh						
	20								

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP09

Project: Fort McClellan

Geologist: D.PETERMAN & J.JENKINS

Sheet 4 of 4 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	21				Organic Vapor = 0.0ppm				21
	22								22
765	23								23
	24								Bottom of borehole at 24.0'. 24

HTRW DRILLING LOG

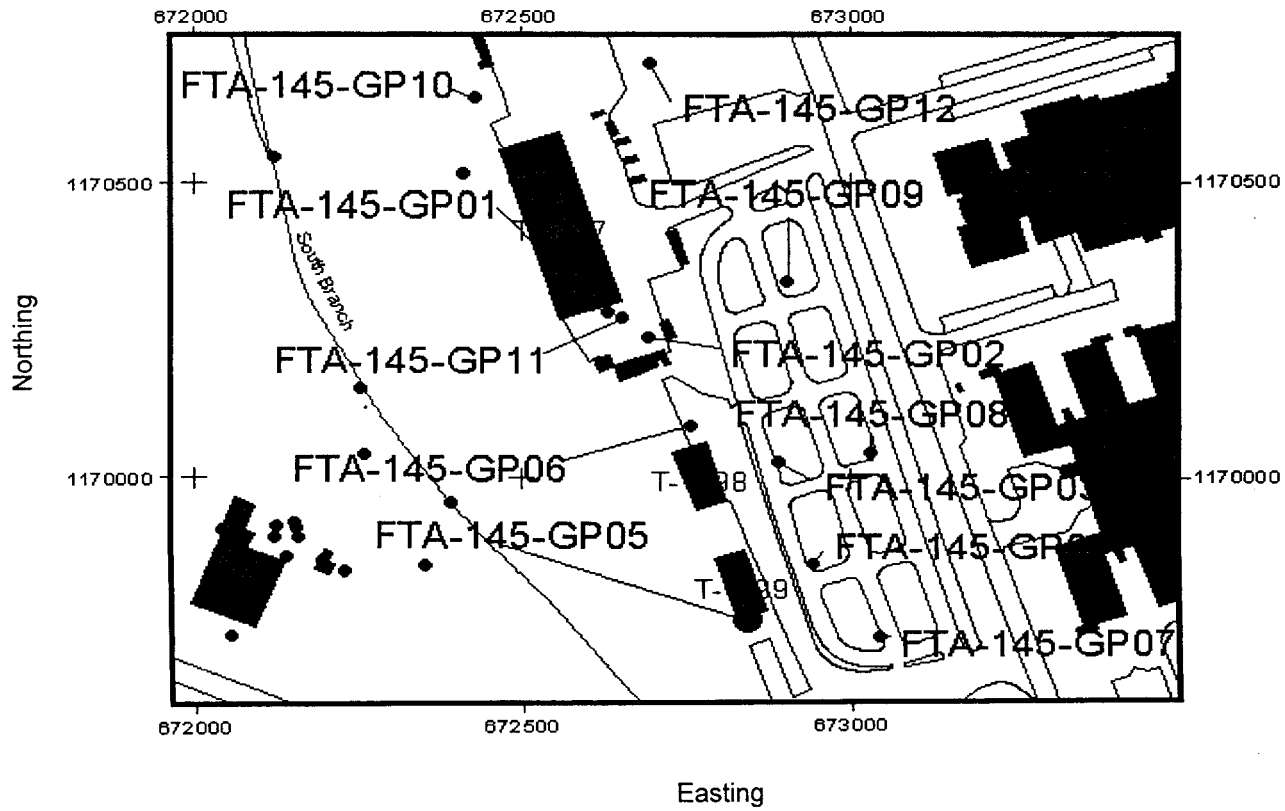
HOLE NUMBER FTA-145-GP10

1. Company name: **IT Corporation**	2. Drill Subcontractor: TEG & MILLER DRILLING	Sheet 1 of 3 sheets

3. Project: Fort McClellan	4. Location: Former Motor Pool Area 1800/1900
5. Name of driller:	6. Mfr designation of drill: Geoprobe/CME-550 Mobile Drill Rig
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP- 4' x 2" acetate-lined sampler HSA-5'x8"od augers, 2'x2" steel split spoons	8. Hole location FTA-145-GP10 9. Surface elevation (feet above mean sea level): 775.49 10. Date started: 10/01/98 11. Date completed: 12/11/98
12. Overburden thickness (feet bgs): 12.9	15. Depth groundwater encountered (feet bgs): 12 Ft
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs):
14. Total depth of hole (feet bgs): 12.9	17. Other water level measurements (specify):

18. Geotechnical samples:	Disturbed:		Undisturbed:	19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	TCL VOCs	TCL SVOCs	TAL Metals	N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Temp. well		D.PETERMAN & J.JENKINS		

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP10

Project: Fort McClellan | Geologist: D.PETERMAN & J.JENKINS | Sheet 2 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
775	0	cl: CLAY, some Silt, brown to reddish brown, low plasticity, soft, organics, Shale fragments, dark organics.	cl		Organic Vapor = 0.0ppm		CY0020		Rec 100%
	1								Rec 33" (68%)
		cl: CLAY, yellowish brown, moderately stiff, slightly damp.	cl		Organic Vapor = 0.0ppm				
		cl: CLAY, highly friable, shaley, minor coarse Quartz grains, dry.	cl		Organic Vapor = 0.0ppm		CY0021		
	2								
	3								
	4								
770	5	cl-ml: Light brown and greenish gray, mottled, firm, lean CLAY and SILT, dry, bedding structures present.	cl-ml		Organic Vapor = 0.0ppm				Blow 12 13 20 21 Rec 1.8', Direct push refusal at 5'.
	6								
	7	cl-ml: Light brown and greenish gray, mottled, firm, lean CLAY and SILT, dry, bedding structures present.	cl-ml		Organic Vapor = 0.0ppm				Blow 3 9 37 50 (4) Rec 2.0'
	8								
	9	cl: Light brown and dark gray, mottled, firm, lean CLAY some Silt, dry, (cont. on next page) bedding structures present.			Organic Vapor = 0.0ppm				Blow 20 50 (5) Rec 1.1'

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP10

Project: Fort McClellan | Geologist: D.PETERMAN & J.JENKINS | Sheet 3 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	10		cl						10
765									
	11	cl: Light brown, firm, lean CLAY, and weathered dark gray SHALE, damp at 12'.			Organic Vapor = 0.0ppm				Blow 30 20 50 (3) Rec 1.2' 11
	12		cl						12
									12.9' auger refusal. Bottom of borehole.

HTRW DRILLING LOG

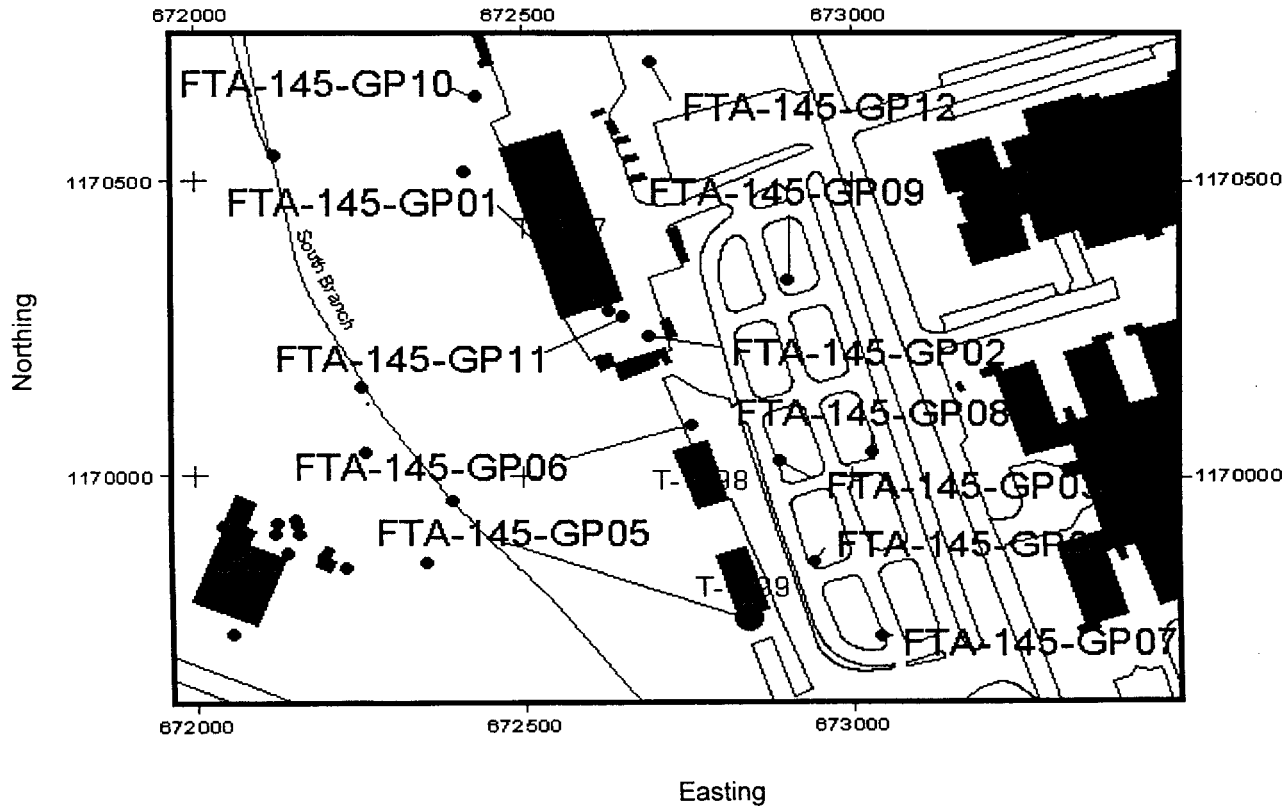
HOLE NUMBER
FTA-145-GP11

1. Company name: IT Corporation	2. Drill Subcontractor: TEG	Sheet 1 of 2 sheets

3. Project: Fort McClellan	4. Location: Former Motor Pool 1800/1900
5. Name of driller: Sammy McDaniels	6. Mfr designation of drill: Geoprobe
7. Sizes and types of drilling and sampling equipment: Direct Push 4' x 2" acetate-lined sampler	8. Hole location FTA-145-GP11 9. Surface elevation (feet above mean sea level): 775.747 10. Date started: 10/01/98 11. Date completed: 10/01/98
12. Overburden thickness (feet bgs): >9	15. Depth groundwater encountered (feet bgs):
13. Depth drilled into rock (feet bgs):	16. Depth to water and elapsed time after drilling completed (feet bgs):
14. Total depth of hole (feet bgs): 9	17. Other water level measurements (specify):

18. Geotechnical samples:	Disturbed:	Undisturbed:		19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	TCL VOCs	TCL SVOCs	TAL Metals	N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
	X			DAN PETERMAN		

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP11

Project: Fort McClellan | Geologist: DAN PETERMAN | Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	0	cl: CLAY, some Slt, medium stiff, yellowish brown, large Shale fragments (.5"-2"), some minor Quartz grains.							Rec 21" (43%)
775									
	1				Organic Vapor = 26.7ppm				
	2		cl		Organic Vapor = 99.2ppm				
	3								
	4	cl: CLAY, very soft, gray, slightly damp, yellowish brown, staining, medium to high plasticity.							
	5				Organic Vapor = 34.7ppm				
770									
	6		cl		Organic Vapor = 77.7ppm		CY0024		
	7								
	8								Direct push refusal at 9'. Total deph is 9'.
	9								

HTRW DRILLING LOG

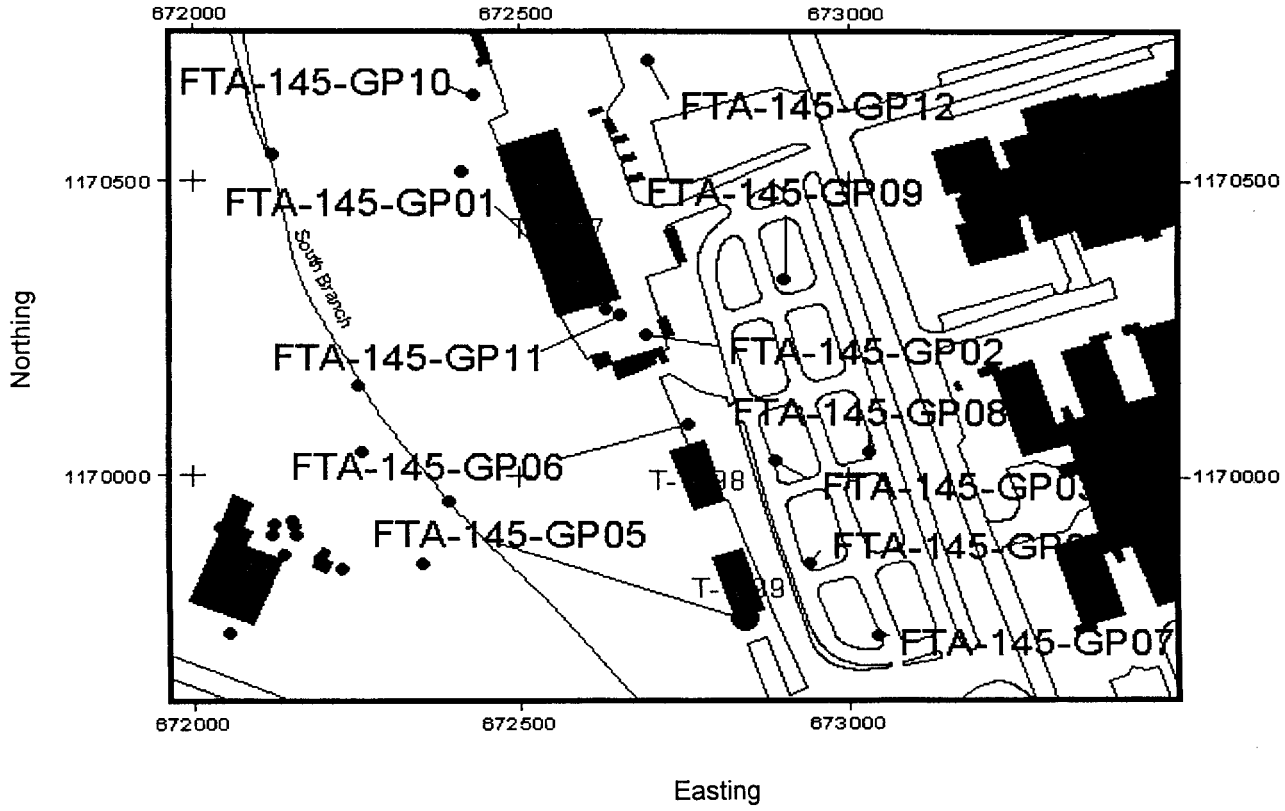
HOLE NUMBER FTA-145-GP12

1. Company name: **IT Corporation**	2. Drill Subcontractor: TEG & MILLER DRILLING	Sheet 1 of 3 sheets

3. Project: Fort McClellan	4. Location: Former Motor Pool 1800/1900
5. Name of driller: Sammy McDaniels/ Jeff Brownfield	6. Mfr designation of drill: Geoprobe/CME-85 Mobile Drill Rig
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP- 4' x 2" acetate-lined sampler HSA- 5' x 8"od augers, 2' x 2" steel split spoons	8. Hole location FTA-145-GP12 9. Surface elevation (feet above mean sea level): 784.99 10. Date started: 10/01/98 11. Date completed: 12/11/98
12. Overburden thickness (feet bgs): >18	15. Depth groundwater encountered (feet bgs): 15.5 Ft
13. Depth drilled into rock (feet bgs):	16. Depth to water and elapsed time after drilling completed (feet bgs):
14. Total depth of hole (feet bgs): 18	17. Other water level measurements (specify):

18. Geotechnical samples:	Disturbed:		Undisturbed:	19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	TCL VOCs	TCL SVOCs	TAL Metals	N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Temp. well		D.PETERMAN & B.RHODES		

LOCATION SKETCH/COMMENTS:



HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP12

Project: Fort McClellan | Geologist: D.PETERMAN & B.RHODES | Sheet 2 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	0	sm: SAND, some Silt, loose, reddish brown, minor Clay traces, Shale fragments (.5"-3"), some coarse Gravel			Organic Vapor = 0.1ppm		CY0025		Rec (100%)
	1		sm		Organic Vapor = 0.1ppm				Rec 42" (87%)
	2	cl: CLAY, some Silt, friable, low plasticity, dry, Quartz and Shale fragments, yellowish brown to brown.			Organic Vapor = 0.2ppm				
	3		cl		Organic Vapor = 0.4ppm				
	4	cl: CLAY, medium stiff, platey with depth, shaley, very loose.	cl		Organic Vapor = 0.2ppm				
780	5	cl: CLAY, increased brittleness, shaley, loose.			Organic Vapor = 0.4ppm				Rec 25" (69%)
	6		cl		Organic Vapor = 0.1ppm		CY0026		
	7	sh: Brown, soft, dry, weathered, SHALE.							Direct push refusal at 7'.
	8								
	9								

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP12

Project: Fort McClellan | Geologist: D.PETERMAN & B.RHODES | Sheet 3 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
775	10				Organic Vapor = 0.0ppm				
	11		sh						
	12								
	13								
	14								
770	15								
		sh: Brown, weathered, damp, SHALE.							
	16								
	17		sh						
	18								Total deph is 18'.

HTRW DRILLING LOG

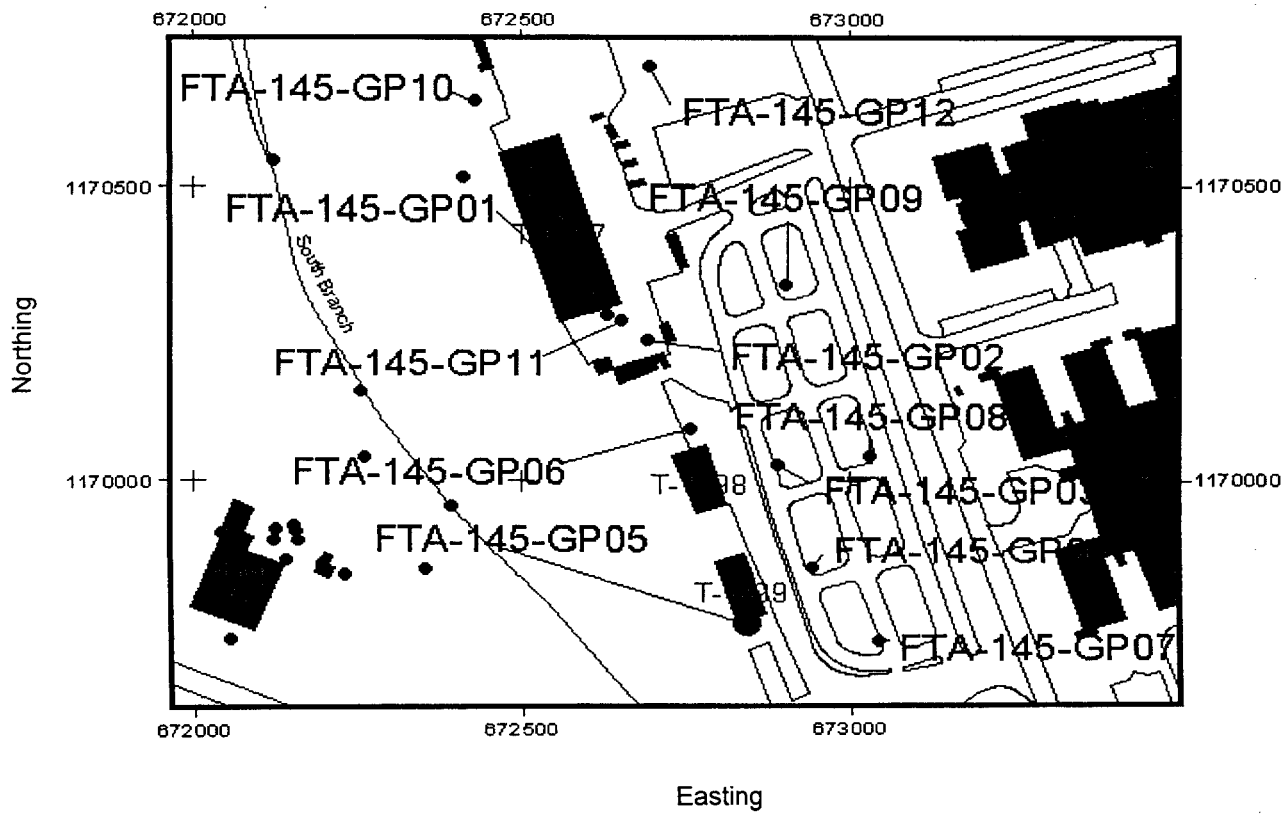
HOLE NUMBER FTA-145-GP13

1. Company name: **IT Corporation**	2. Drill Subcontractor: TEG & MILLER DRILLING	Sheet 1 of 3 sheets

3. Project: Fort McClellan	4. Location: Former Motor Pool Area 1800/1900
5. Name of driller: Sammy McDaniels/Ken Gobell	6. Mfr designation of drill: Geoprobe
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP- 4'x2" acetate-lined sampler HSA- 5'x8.5"od augers, 2'x2" steel split spoons	8. Hole location FTA-145-GP13 9. Surface elevation (feet above mean sea level): 758.272 10. Date started: 12/10/99 11. Date completed: 12/16/99
12. Overburden thickness (feet bgs): >14.5	15. Depth groundwater encountered (feet bgs): 11.5 Ft
13. Depth drilled into rock (feet bgs):	16. Depth to water and elapsed time after drilling completed (feet bgs):
14. Total depth of hole (feet bgs): 14.5	17. Other water level measurements (specify):

18. Geotechnical samples:	Disturbed:		Undisturbed:	19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	SVOCs			N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
		Monitoring well		JAMES DENDY		

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP13

Project: Fort McClellan | Geologist: JAMES DENDY | Sheet 2 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	0	ml: Moist brown SILT, little organics.	ml		Organic Vapor = 0.0ppm		CY0030		Rec 24"/24"
	1				Organic Vapor = 0.0ppm		CY0031		Direct push refusal at 2'.
	2	sh: Weathered brown SHALE.	sh		Organic Vapor = 0.0ppm				
755	3								
	4								
	5								
	6	sh: Black, fissile, hard, SHALE.			Organic Vapor = 0.0ppm				
	7								
750	8								
	9								

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP13

Project: Fort McClellan | Geologist: JAMES DENDY | Sheet 3 of 3 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	10		sh		Organic Vapor = 0.0ppm				10
	11								11
	12								12
	13								13
745									
	14								Bottom of borehole is 14.5'. 14

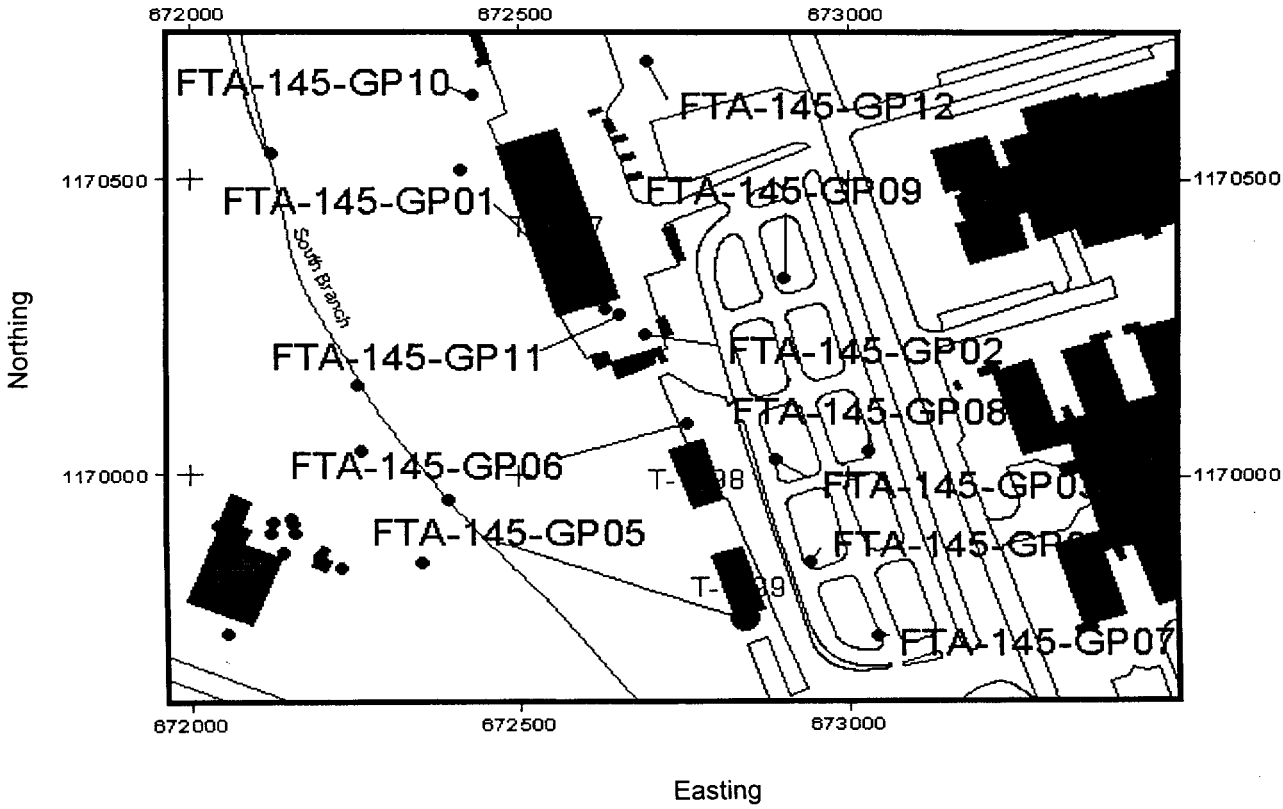
HTRW DRILLING LOG

HOLE NUMBER FTA-145-GP14

1. Company name: **IT Corporation**	2. Drill Subcontractor: TEG & MILLER DRILLING	Sheet 1 of 2 sheets
3. Project: Fort McClellan	4. Location: Former Motor Pool Area 1800/1900	
5. Name of driller: Sammy McDaniels/Ken Gobell	6. Mfr designation of drill: Geoprobe	
7. Sizes and types of drilling and sampling equipment: Direct Push, Hollow Stem Auger DP- 4'x2" acetate-lined sampler HSA- 5'x8.5"od augers, 2'x2" steel split spoons.	8. Hole location FTA-145-GP14 9. Surface elevation (feet above mean sea level): 764.056 10. Date started: 12/10/99	11. Date completed: 12/16/99
12. Overburden thickness (feet bgs): >8	15. Depth groundwater encountered (feet bgs):	
13. Depth drilled into rock (feet bgs):	16. Depth to water and elapsed time after drilling completed (feet bgs):	
14. Total depth of hole (feet bgs): 8	17. Other water level measurements (specify):	

18. Geotechnical samples:	Disturbed:	Undisturbed:		19. Total no. of core boxes:		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	SVOCs			N/A
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
	X			JAMES DENDY		

LOCATION SKETCH/COMMENTS:



HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-145-GP14

Project: Fort McClellan | Geologist: JAMES DENDY | Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
	0	ml: Brown SILT, some Sand, some Gravel. Gravel is subangular Sandstone 5mm-20mm.			Organic Vapor = 0.0ppm		CY0032		
	1		ml		Organic Vapor = 0.0ppm		CY0033		Direct push refusal at 2'.
	2	ml: Brown SILTY-CLAY, some Sand.			Organic Vapor = 0.0ppm				Description from hollow stem auger drill cuttings.
	3								
760	4								
	5		ml						
	6								
	7								
	8								Bottom of borehole is 8'.

WELL CONSTRUCTION LOGS

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC	WELL NO: FTA-145-GP02
LOCATION Anniston, AL	DRILLING METHOD: Hollow Stem Auger
CLIENT: USACE Mobile District	INSTALLATION DATE 12/11/98
CONTRACTOR TEG DRILLING	NORTHING: 1167859.91
DRILLER: S. MCDONALD, DOUG BISHOP	EASTING: 670105.19
IT FIELD REPRESENTATIVE: D. PETERMAN, J. JENKINS	JOB NO: 774645A

GROUND SURFACE ELEVATION*
776.18

TOP of WELL CASING or RISER PIPE
EL* 777.02 STICKUP 0.84

TYPE of SURFACE SEAL Temporary

TEMPORARY SURFACE SEAL

ANNULAR SPACE SEAL
TYPE N/A

TYPE of RISER MATERIAL (Flush Threaded) PVC SCH 40

INSIDE DIAMETER of RISER (inches) 2

TOP OF BENTONITE SEAL → 1

APPROXIMATE DIAMETER of BOREHOLE (inches) 8

TOP OF SAND PACK → 2

TOP OF SCREENED INTERVAL
EL* 772.18 DEPTH 4

TYPE of SCREEN MATERIAL PVC SCH 40

SLOT SIZE (inches) 0.010

INSIDE DIAMETER (inches) 2

TYPE of SAND PACK AROUND SCREEN Sand No 1

HORIZONTAL SURVEY DATUM: NAD83

VERTICAL SURVEY DATUM: NGVD88

BOTTOM of SCREENED INTERVAL
EL* 764.18 DEPTH 12

BOTTOM of SUMP and WELL
EL* 764.18 DEPTH 12

BOTTOM of BOREHOLE
EL* 764.18 DEPTH 12

NEAT CEMENT
BENTONITE SEAL
FILTER PACK
GROUT
BOREHOLE COLLAPSE

*All elevations (EL) are referenced to MSL.

All depths and heights are given in feet and are referenced to the ground surface.

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC	WELL NO: FTA-145-GP03
LOCATION Anniston, AL	DRILLING METHOD: Hollow Stem Auger
CLIENT: USACE Mobile District	INSTALLATION DATE 12/10/98
CONTRACTOR TEG / MILLER DRILLING	NORTHING: 1167690.25
DRILLER: S. MCDONALD, J. BROWNFIELD	EASTING: 670261.98
IT FIELD REPRESENTATIVE: D. PETERMAN, B. RHODES	JOB NO: 774645A

GROUND SURFACE ELEVATION* 779.51

TOP of WELL CASING or RISER PIPE
EL* 779.67 STICKUP 0.16

TYPE of SURFACE SEAL Temporary

TEMPORARY SURFACE SEAL

ANNULAR SPACE SEAL
TYPE N/A

TYPE of RISER MATERIAL (Flush Threaded) PVC SCH 40

INSIDE DIAMETER of RISER (inches) 2

TOP OF BENTONITE SEAL .6

APPROXIMATE DIAMETER of BOREHOLE (inches) 8.25

TOP OF SAND PACK 2.6

TOP OF SCREENED INTERVAL
EL* 774.76 DEPTH 4.75

TYPE of SCREEN MATERIAL PVC SCH 40

SLOT SIZE (inches) 0.010

INSIDE DIAMETER (inches) 2

TYPE of SAND PACK AROUND SCREEN Sand No 1

HORIZONTAL SURVEY DATUM: NAD83

VERTICAL SURVEY DATUM: NGVD88

BOTTOM of SCREENED INTERVAL
EL* 759.76 DEPTH 19.75

BOTTOM of SUMP and WELL
EL* 759.51 DEPTH 20

BOTTOM of BOREHOLE
EL* 759.51 DEPTH 20

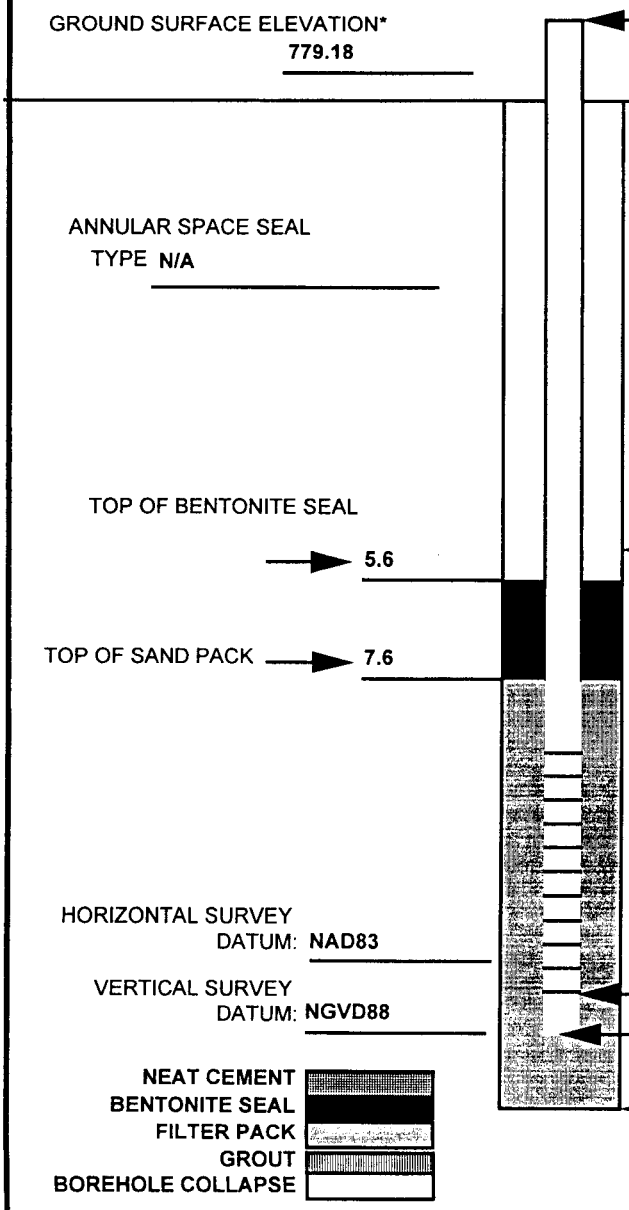
NEAT CEMENT
BENTONITE SEAL
FILTER PACK
GROUT
BOREHOLE COLLAPSE

*All elevations (EL) are referenced to MSL.

All depths and heights are given in feet and are referenced to the ground surface.

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC	**WELL NO:** FTA-145-GP04
LOCATION Anniston, AL	**DRILLING METHOD:** Hollow Stem Auger
CLIENT: USACE Mobile District	**INSTALLATION DATE** 12/10/98
CONTRACTOR TEG / MILLER DRILLING	**NORTHING:** 1167551.42
DRILLER: S. MCDONALD, J. BROWNFIELD	**EASTING:** 670304.12
IT FIELD REPRESENTATIVE: D. PETERMAN, B. RHODES	**JOB NO:** 774645A



GROUND SURFACE ELEVATION* 779.18

TOP of WELL CASING or RISER PIPE
EL* 781.51 STICKUP 2.33

TYPE of SURFACE SEAL Temporary

TEMPORARY SURFACE SEAL

ANNULAR SPACE SEAL
TYPE N/A

TYPE of RISER MATERIAL (Flush Threaded) PVC SCH 40

INSIDE DIAMETER of RISER (inches) 2

TOP OF BENTONITE SEAL 5.6

APPROXIMATE DIAMETER of BOREHOLE (inches) 8.25

TOP OF SAND PACK 7.6

TOP OF SCREENED INTERVAL
EL* 769.43 DEPTH 9.75

TYPE of SCREEN MATERIAL PVC SCH 40

SLOT SIZE (inches) 0.010

INSIDE DIAMETER (inches) 2

TYPE of SAND PACK AROUND SCREEN Sand No 1

HORIZONTAL SURVEY DATUM: NAD83

VERTICAL SURVEY DATUM: NGVD88

BOTTOM of SCREENED INTERVAL
EL* 754.43 DEPTH 24.75

BOTTOM of SUMP and WELL
EL* 754.18 DEPTH 25

BOTTOM of BOREHOLE
EL* 754.18 DEPTH 25

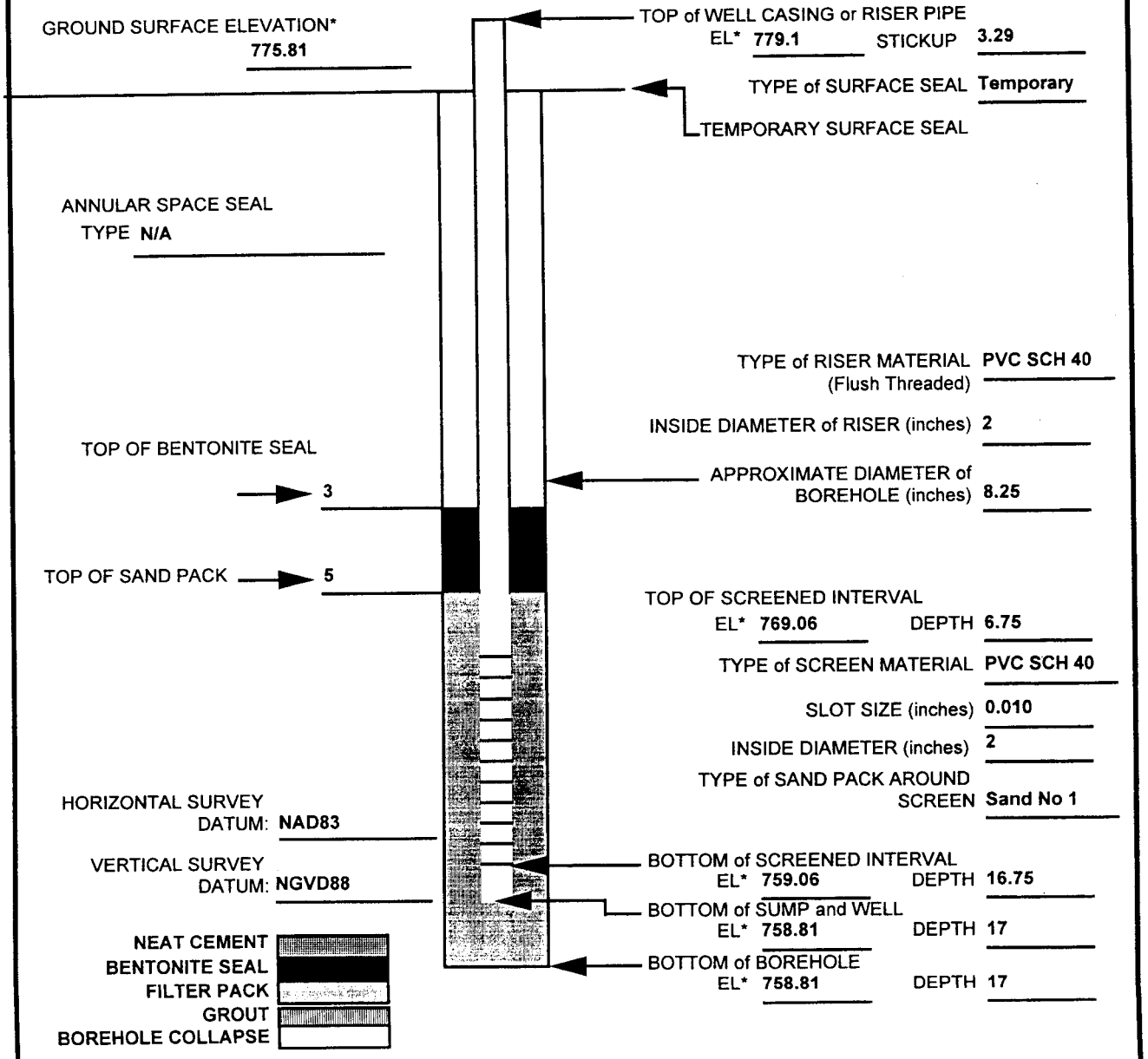
NEAT CEMENT
BENTONITE SEAL
FILTER PACK
GROUT
BOREHOLE COLLAPSE

*All elevations (EL) are referenced to MSL.

All depths and heights are given in feet and are referenced to the ground surface.

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC	WELL NO: FTA-145-GP05
LOCATION Anniston, AL	DRILLING METHOD: Hollow Stem Auger
CLIENT: USACE Mobile District	INSTALLATION DATE 12/09/98
CONTRACTOR TEG / MILLER DRILLING	NORTHING: 1167476.6
DRILLER: S. MCDONALD, J. BROWNFIELD	EASTING: 670220.94
IT FIELD REPRESENTATIVE: D. PETERMAN, B. RHODES	JOB NO: 774645A

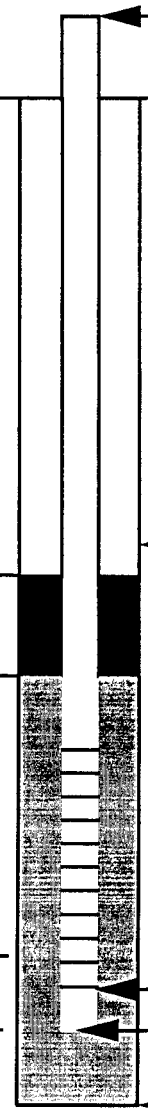


*All elevations (EL) are referenced to MSL.

All depths and heights are given in feet and are referenced to the ground surface.

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC	WELL NO: FTA-145-GP06
LOCATION Anniston, AL	DRILLING METHOD: Hollow Stem Auger
CLIENT: USACE Mobile District	INSTALLATION DATE 12/11/98
CONTRACTOR TEG / MILLER DRILLING	NORTHING: 1167740.67
DRILLER: S. MCDONALD, J. BROWNFIELD	EASTING: 670154.03
IT FIELD REPRESENTATIVE: D. PETERMAN, B. RHODES	JOB NO: 774645A



GROUND SURFACE ELEVATION*
777.1

TOP of WELL CASING or RISER PIPE
EL* 778.92 STICKUP 1.82

TYPE of SURFACE SEAL Temporary

TEMPORARY SURFACE SEAL

ANNULAR SPACE SEAL
TYPE N/A

TYPE of RISER MATERIAL (Flush Threaded) PVC SCH 40

INSIDE DIAMETER of RISER (inches) 2

TOP OF BENTONITE SEAL
.5

APPROXIMATE DIAMETER of BOREHOLE (inches) 8.25

TOP OF SAND PACK 2.2

TOP OF SCREENED INTERVAL
EL* 773.85 DEPTH 3.25

TYPE of SCREEN MATERIAL PVC SCH 40

SLOT SIZE (inches) 0.010

INSIDE DIAMETER (inches) 2

TYPE of SAND PACK AROUND SCREEN Sand No 1

HORIZONTAL SURVEY DATUM: NAD83

VERTICAL SURVEY DATUM: NGVD88

BOTTOM of SCREENED INTERVAL
EL* 763.85 DEPTH 13.25

BOTTOM of SUMP and WELL
EL* 763.6 DEPTH 13.5

BOTTOM of BOREHOLE
EL* 763.6 DEPTH 13.5

NEAT CEMENT
BENTONITE SEAL
FILTER PACK
GROUT
BOREHOLE COLLAPSE

*All elevations (EL) are referenced to MSL.

All depths and heights are given in feet and are referenced to the ground surface.

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC	WELL NO: FTA-145-GP07
LOCATION Anniston, AL	DRILLING METHOD: Hollow Stem Auger
CLIENT: USACE Mobile District	INSTALLATION DATE 12/10/98
CONTRACTOR TEG / MILLER DRILLING	NORTHING: 1167450.55
DRILLER: S. MCDONALD, D. BISHOP	EASTING: 670383.23
IT FIELD REPRESENTATIVE: J. JENKINS	JOB NO: 774645A

GROUND SURFACE ELEVATION*
780.91

TOP of WELL CASING or RISER PIPE
EL* 781.37 STICKUP 0.46

TYPE of SURFACE SEAL Temporary

TEMPORARY SURFACE SEAL

ANNULAR SPACE SEAL
TYPE N/A

TYPE of RISER MATERIAL (Flush Threaded) PVC SCH 40

INSIDE DIAMETER of RISER (inches) 2

TOP OF BENTONITE SEAL
2

APPROXIMATE DIAMETER of BOREHOLE (inches) 8

TOP OF SAND PACK 4

TOP OF SCREENED INTERVAL
EL* 775.91 DEPTH 5

TYPE of SCREEN MATERIAL PVC SCH 40

SLOT SIZE (inches) 0.010

INSIDE DIAMETER (inches) 2

TYPE of SAND PACK AROUND SCREEN Sand No 1

HORIZONTAL SURVEY DATUM: NAD83

VERTICAL SURVEY DATUM: NGVD88

BOTTOM of SCREENED INTERVAL
EL* 760.91 DEPTH 20

BOTTOM of SUMP and WELL
EL* 760.91 DEPTH 20

BOTTOM of BOREHOLE
EL* 760.91 DEPTH 20

NEAT CEMENT
BENTONITE SEAL
FILTER PACK
GROUT
BOREHOLE COLLAPSE

*All elevations (EL) are referenced to MSL.

All depths and heights are given in feet and are referenced to the ground surface.

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC	**WELL NO:** FTA-145-GP08
LOCATION Anniston, AL	**DRILLING METHOD:** Hollow Stem Auger
CLIENT: USACE Mobile District	**INSTALLATION DATE** 12/10/98
CONTRACTOR TEG / MILLER DRILLING	**NORTHING:** 1167702.85
DRILLER: S. MCDONALD, J. BROWNFIELD	**EASTING:** 670374.54
IT FIELD REPRESENTATIVE: D. PETERMAN, B. RHODES	**JOB NO:** 774645A

GROUND SURFACE ELEVATION*
784.54

TOP of WELL CASING or RISER PIPE
EL* 786.61 STICKUP 2.07

TYPE of SURFACE SEAL Temporary

TEMPORARY SURFACE SEAL

ANNULAR SPACE SEAL
TYPE N/A

TYPE of RISER MATERIAL (Flush Threaded) PVC SCH 40

INSIDE DIAMETER of RISER (inches) 2

TOP OF BENTONITE SEAL
2.6

APPROXIMATE DIAMETER of BOREHOLE (inches) 8.25

TOP OF SAND PACK 4.6

TOP OF SCREENED INTERVAL
EL* 777.79 DEPTH 6.75

TYPE of SCREEN MATERIAL PVC SCH 40

SLOT SIZE (inches) 0.010

INSIDE DIAMETER (inches) 2

TYPE of SAND PACK AROUND SCREEN Sand No 1

HORIZONTAL SURVEY DATUM: NAD83

VERTICAL SURVEY DATUM: NGVD88

BOTTOM of SCREENED INTERVAL
EL* 767.79 DEPTH 16.75

BOTTOM of SUMP and WELL
EL* 767.54 DEPTH 17

BOTTOM of BOREHOLE
EL* 767.54 DEPTH 17

NEAT CEMENT
BENTONITE SEAL
FILTER PACK
GROUT
BOREHOLE COLLAPSE

*All elevations (EL) are referenced to MSL.

All depths and heights are given in feet and are referenced to the ground surface.

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC	WELL NO: FTA-145-GP09
LOCATION Anniston, AL	DRILLING METHOD: Hollow Stem Auger
CLIENT: USACE Mobile District	INSTALLATION DATE 12/10/98
CONTRACTOR TEG / MILLER DRILLING	NORTHING: 1167936.09
DRILLER: S. MCDONALD, D. BISHOP	EASTING: 670271.64
IT FIELD REPRESENTATIVE: D. PETERMAN, J. JENKINS	JOB NO: 774645A

GROUND SURFACE ELEVATION* 787.69

TOP of WELL CASING or RISER PIPE
EL* 788.76 STICKUP 1.07

TYPE of SURFACE SEAL Temporary

TEMPORARY SURFACE SEAL

ANNULAR SPACE SEAL
TYPE N/A

TYPE of RISER MATERIAL (Flush Threaded) PVC SCH 40

INSIDE DIAMETER of RISER (inches) 2

TOP OF BENTONITE SEAL 4

APPROXIMATE DIAMETER of BOREHOLE (inches) 8

TOP OF SAND PACK 7

TOP OF SCREENED INTERVAL
EL* 778.69 DEPTH 9

TYPE of SCREEN MATERIAL PVC SCH 40

SLOT SIZE (inches) 0.010

INSIDE DIAMETER (inches) 2

TYPE of SAND PACK AROUND SCREEN Sand No 1

HORIZONTAL SURVEY DATUM: NAD83

VERTICAL SURVEY DATUM: NGVD88

BOTTOM of SCREENED INTERVAL
EL* 763.69 DEPTH 24

BOTTOM of SUMP and WELL
EL* 763.69 DEPTH 24

BOTTOM of BOREHOLE
EL* 763.69 DEPTH 24

NEAT CEMENT
BENTONITE SEAL
FILTER PACK
GROUT
BOREHOLE COLLAPSE

*All elevations (EL) are referenced to MSL.

All depths and heights are given in feet and are referenced to the ground surface.

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC	WELL NO: FTA-145-GP10
LOCATION Anniston, AL	DRILLING METHOD: Hollow Stem Auger
CLIENT: USACE Mobile District	INSTALLATION DATE 12/11/98
CONTRACTOR TEG / MILLER DRILLING	NORTHING: 1168182.84
DRILLER: S. MCDONALD, D. BISHOP	EASTING: 669894.36
IT FIELD REPRESENTATIVE: D. PETERMAN, J. JENKINS	JOB NO: 774645A

GROUND SURFACE ELEVATION*
775.49

TOP of WELL CASING or RISER PIPE
EL* 777.73 STICKUP 2.24

TYPE of SURFACE SEAL Temporary

TEMPORARY SURFACE SEAL

ANNULAR SPACE SEAL
TYPE N/A

TYPE of RISER MATERIAL (Flush Threaded) PVC SCH 40

INSIDE DIAMETER of RISER (inches) 2

TOP OF BENTONITE SEAL → 1

APPROXIMATE DIAMETER of BOREHOLE (inches) 8

TOP OF SAND PACK → 2

TOP OF SCREENED INTERVAL
EL* 772.59 DEPTH 2.9

TYPE of SCREEN MATERIAL PVC SCH 40

SLOT SIZE (inches) 0.010

INSIDE DIAMETER (inches) 2

TYPE of SAND PACK AROUND SCREEN Sand No 1

HORIZONTAL SURVEY DATUM: NAD83

VERTICAL SURVEY DATUM: NGVD88

BOTTOM of SCREENED INTERVAL
EL* 762.59 DEPTH 12.9

BOTTOM of SUMP and WELL
EL* 762.59 DEPTH 12.9

BOTTOM of BOREHOLE
EL* 762.59 DEPTH 12.9

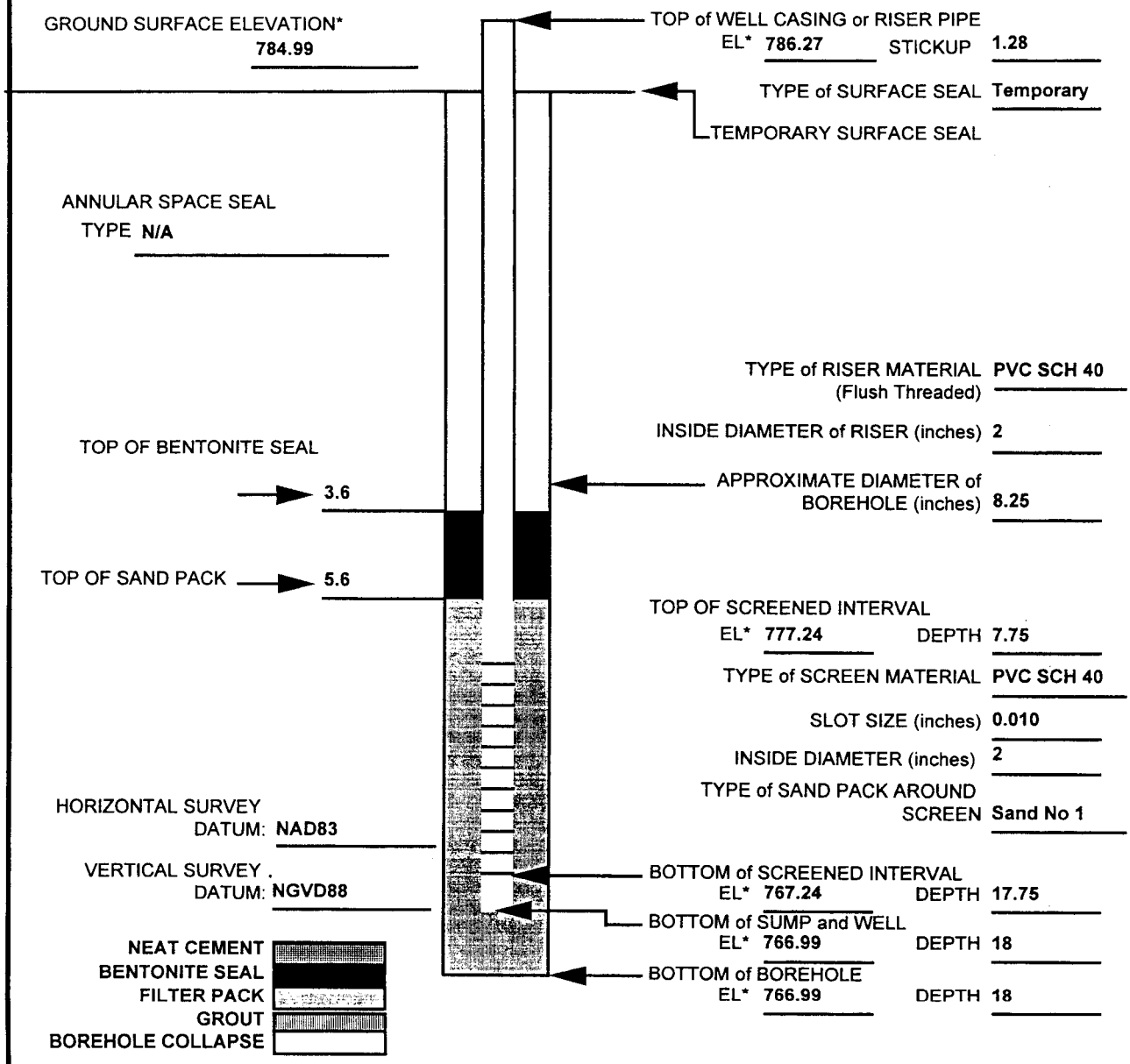
NEAT CEMENT
BENTONITE SEAL
FILTER PACK
GROUT
BOREHOLE COLLAPSE

*All elevations (EL) are referenced to MSL.

All depths and heights are given in feet and are referenced to the ground surface.

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC	**WELL NO:** FTA-145-GP12
LOCATION Anniston, AL	**DRILLING METHOD:** Hollow Stem Auger
CLIENT: USACE Mobile District	**INSTALLATION DATE** 12/11/98
CONTRACTOR TEG / MILLER DRILLING	**NORTHING:** 1168230.27
DRILLER: S. MCDONALD, J. BROWNFIELD	**EASTING:** 670106.19
IT FIELD REPRESENTATIVE: D. PETERMAN, B. RHODES	**JOB NO:** 774645A



*All elevations (EL) are referenced to MSL.

All depths and heights are given in feet and are referenced to the ground surface.

MONITORING WELL INSTALLATION DETAIL

PROJECT: Fort McClellan, SAD TERC	WELL NO: FTA-145-GP13
LOCATION Anniston, AL	DRILLING METHOD: Hollow Stem Auger
CLIENT: USACE Mobile District	INSTALLATION DATE 12/16/99
CONTRACTOR MILLER DRILLING	NORTHING: 1168394.64
DRILLER: S. McDonald, J. Brownfield	EASTING: 669807.55
IT FIELD REPRESENTATIVE: D. Peterman, J. Jenkins	JOB NO: 774645A

GROUND SURFACE ELEVATION*
758.27

TOP of WELL CASING or RISER PIPE
EL* 760.74 STICKUP N/A

TYPE of SURFACE SEAL Concrete
THICKNESS of SURFACE SEAL (inches) 3

ANNULAR SPACE SEAL
TYPE N/A

TYPE of RISER MATERIAL (Flush Threaded) PVC SCH 40

INSIDE DIAMETER of RISER (inches) 2

TOP OF BENTONITE SEAL
2.6

APPROXIMATE DIAMETER of BOREHOLE (inches) 8

TOP OF SAND PACK 5.6

TOP OF SCREENED INTERVAL
EL* 748.77 DEPTH 9.5

TYPE of SCREEN MATERIAL PVC SCH 40

SLOT SIZE (inches) 0.010

INSIDE DIAMETER (inches) 2

TYPE of SAND PACK AROUND SCREEN Sand No 2

HORIZONTAL SURVEY DATUM: NAD83

VERTICAL SURVEY DATUM: NGVD88

BOTTOM of SCREENED INTERVAL
EL* 743.77 DEPTH 14.5

BOTTOM of SUMP and WELL
EL* 743.77 DEPTH 14.5

BOTTOM of BOREHOLE
EL* 743.77 DEPTH 14.5

NEAT CEMENT
BENTONITE SEAL
FILTER PACK
GROUT
BOREHOLE COLLAPSE

*All elevations (EL) are referenced to MSL.

All depths and heights are given in feet and are referenced to the ground surface.

APPENDIX C

WELL DEVELOPMENT LOGS

Parc 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: 774645 COST CODE: 01020300 DELIVERY ORDER CK05

SITE ID: LOCATION ID: ETA-145-GP02 (Well Number) Static Water Level: 3.2' ft

Target Purge Volume: ____ gal WELL DEPTH: 12.6' (ft from TOC) Well Casing Diameter: (opt) 2" Recovery Depth: _____

Date 1998	Time 24hr 0950	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
22 DEC.	09:55	.5	6.5	2.5	15.5	6.45	.472	999	7.43	NA	MR	DARK GREY
	10:00	.4	6.8	4.5	15.9	6.62	.483	999	2.54			" "
	:05	.4	7.3	6.5	16.7	6.58	.466	999	7.16			" "
	:10	—	—	8.5	—	—	—	—	—			STOPPED TO CLEAN PUMP
	:15	—	6.35	8.5	—	—	—	—	—			RESTARTED
	:20	.5	7.6	11	16.2	6.48	.426	999	7.18			DARK GREY
	:25	.5	9.25	13.5	17.5	6.43	.427	999	6.68			" "
	:30	—	—	16	—	—	—	—	—			STOPPED TO CLEAN PUMP
	:50	—	4.7	16	—	—	—	—	—			RESTARTED
	:55	.5	6.6	18.5	17.1	6.22	.328	999	7.00			DARK GREY
	11:00	.5	7.7	21	17.7	6.38	.358	999	4.72			" "

Parcel 145
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: 774645 COST CODE: 01020300 DELIVERY ORDER CK05

SITE ID: LOCATION ID: FTA-145-GP02 (Well Number) Static Water Level: 3.2 ft

Target Purge Volume: ____ gal WELL DEPTH: 12.6 (ft from TOC) Well Casing Diameter: (opt) 2" Recovery Depth: ____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
22 DEC.	11:05	—	—	23.5	—	—	—	—	—	NA	MR	STOPPED TO CLEAN PUMP
	:10	—	6.8	23.5	—	—	—	—	—			RESTARTED
	:15	1.0	10.0	29.5	16.7	6.29	.333	999	7.30			DARK GREY
	:17	1.0	—	31.5	—	—	—	—	—			STOPPED WELL DRY
	:50	—	4.0	31.5	—	—	—	—	—			RESTARTED
	:55	.5	6.7	34	17.6	6.31	.325	999	3.18			CLOUDY GREY
	12:00	.5	8.5	36.5	18.7	6.37	.351	999	7.45			" "
	:05	.3	9.15	38.0	19.8	6.31	.335	999	1.35			" "
	:10	.3	9.85	39.5	20.9	6.31	.350	999	7.32			" "
	:15	.3	10.4	41	21.1	6.22	.299	999	7.60			
	:17	.3	—	42	—	—	—	—	—			STOPPED WELL DRY

Parcel 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: 774645 COST CODE: 01020300 DELIVERY ORDER CK05

SITE ID: LOCATION ID: ETA-145-GP02 (Well Number) Static Water Level: 3.2' ft

Target Purge Volume: ____ gal WELL DEPTH: 12.6' (ft from TOC) Well Casing Diameter: (opt) 2" Recovery Depth: _____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
22 DEC.	12:55	—	4.0	42	—	—	—	—	—	NA	MR	RESTARTED
	13:00	.3	5.9	43.5	17.0	6.22	.310	830	7.60			GREY CLOUDY
	:05	.4	7.0	45.5	18.8	6.26	.319	680	6.94			" "
	:10	.4	7.95	47.5	18.8	6.27	.321	530	6.99			" "
	:15	.4	8.60	49.5	19.3	6.29	.322	377	6.69			" "
	:20	.4	9.70	51.5	19.7	6.31	.343	999	6.56			" "
	:25	.4	10.70	53.5	19.4	6.24	.302	999	6.74			" "
	:25	—	—	53.5	—	—	—	—	—			STOPPED WELL DRY
	:											
	:											
	:											

Parcel 145
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP03 (Well Number) **Static Water Level:** 2'8 ft

Target Purge Volume: ____ gal WELL DEPTH: 19.6 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** ____

Date 1998	Time 24hr 1310	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
22 Dec	13:15	.4	4.2	2	17.2	7.29	.358	999	7.97	NA	OKA	Dark, Gray, Muddy
	13:20	.4	4.5	4	17.9	7.30	.347	999	7.78			" " "
	13:25	.4	4.8	6	17.9	7.22	.342	999	7.76			" " "
	13:30	.4	5.1	8	18.1	7.17	.337	999	7.63			" " "
	13:40	.4	5.2	12	17.8	7.13	.338	200	7.13			" " "
	13:50	.4	5.2	16	18.2	7.27	.342	320	3.01			Gray, Muddy, cloudy
	14:00	.4	5.3	20	18.8	7.28	.342	545	2.09			" " "
	14:10	.4	5.4	24	18.7	7.27	.342	627	9.44			" " "
	14:20	.4	5.5	28	19.1	7.25	.342	607	1.97			" " "
	14:30	.4	5.6	32	18.8	7.26	.344	614	1.95			" " "
	14:40	.4	5.7	36	19.0	7.27	.344	596	2.31			" " "

slight sulfer odor

Parcl 45

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP03 (Well Number) **Static Water Level:** 2.8 ft

Target Purge Volume: ____ gal WELL DEPTH: 19.6 (ft from TOC) Well Casing Diameter: (opt) 2 **Recovery Depth:** _____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
22 Dec	14:50	.4	5.8	40	18.8	7.27	.343	550	2.16	N/A	GLA	Gray, Cloudy
	15:00	.4	5.9	44	18.8	7.27	.341	621	2.31			" "
	15:10	.4	6.0	48	19.0	7.28	.342	461	2.72			" "
	15:20	.4	6.0	52	19.3	7.26	.342	434	8.94			" "
	15:30	.4	6.1	56	19.3	7.26	.342	417	2.81			" "
	15:40	.4	6.1	60	18.9	7.27	.341	437	9.07			" "
	15:50	.4	6.2	64	19.0	7.27	.340	329	8.73			" "
	16:00	.4	6.2	68	19.1	7.27	.341	304	2.81			" "
	16:10	.4	6.3	72	19.0	7.27	.339	167	2.43			Clearing
	16:20	.4	6.3	76	18.9	7.27	.339	145	2.78			"
	16:30	.4	6.4	80	18.9	7.27	.340	134	2.26			"

Parcel 145
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP03 (Well Number) **Static Water Level:** 2.8 ft

Target Purge Volume: ____ gal WELL DEPTH: 19.6 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** ____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
22 Dec	16:40	.4	6.4	84	18.8	7.27	.339	115	2.70	N/A	OKA	CLEARING
	16:50	.4	6.4	88	18.7	7.27	.338	74.6	2.76			Clearing
	17:00	.4	6.4	92	18.8	7.26	.339	56.7	8.93			clearing
	17:10	.4	6.4	96	18.9	7.27	.339	42.6	8.49			Clearing
	17:15	.4	6.4	98	18.9	7.27	.339	41.1	8.52			Clearing
	:	Last Line used			Time	Limit	4.0	hrs				
	:											
	:											
	:											
	:											
	:											

OKA 12-22-98

Parcel 45

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP05 (Well Number) **Static Water Level:** 6 ft

Target Purge Volume: ____ gal WELL DEPTH: 27.5 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** _____

Date 1998	Time 24hr 0810	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
22 Dec	08:15	.3	8.8	1.5	17.0	6.68	.585	999	8.89	NA	OKA	DARK GRAY MUDDY
	08:20	.3	8.9	3	17.4	6.80	.525	999	8.63			" " "
	08:25	.3	9	4.5	18.6	7.18	.513	999	8.24			" " "
	08:30	.3	9	6	17.6	7.17	.512	999	8.64			" " "
	08:40	.3	9.1	9	17.5	7.23	.506	999	1.98			" " "
	08:50	.3	9.2	12	18.9	7.23	.486	999	7.99			" " "
	09:00	.3	9.3	15	18.2	7.20	.474	999	2.17			Gray Cloudy"
	09:10	.3	9.4	18	18.3	7.27	.474	252	2.72			Gray Cloudy"
	09:20	.3	9.5	21	18.2	7.18	.477	516	7.33			Gray Cloudy"
	09:30	.3	9.7	24	18.2	7.15	.465	207	2.31			" "
	09:40	.3	9.8	27	18.6	7.16	.465	136	2.33			Clearing Cloudy

Slight odor ?

Parcel 145
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP04 (Well Number) **Static Water Level:** 6 ft

Target Purge Volume: _____ gal WELL DEPTH: 27.5 (ft from TOC) Well Casing Diameter: (opt) 2' **Recovery Depth:** _____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
22 Dec	09:50	.3	9.9	30	18.1	7.25	.457	114	8.36	N A	OKA	Clearing, Cloudy
	10:00	.3	9.9	33	18.6	7.19	.460	77	3.13			clearing
	10:10	.3	9.9	36	18.6	7.15	.460	138	2.56			clearing, Cloudy
	10:20	.3	9.9	39	18.4	7.17	.457	83.9	2.55			Clearing
	10:30	.3	10	42	18.3	7.18	.453	81.3	2.81			"
	10:40	3	10	45	18.5	7.16	.455	57.6	8.47			clear
	10:50	.3	10	48	18.4	7.12	.458	50.7	2.50			"
	11:00	.3	10	51	18.5	7.16	.454	38.6	2.17			"
	11:10	3	10	54	18.8	7.15	.453	44.5	2.16			"
	11:20	.3	10	57	18.6	7.16	.453	33.6	8.65			clear
	11:30	3	10	60	18.7	7.17	.452	24.3	2.61			"
	11 40	.3	10	63	18.8	7.16	.453	31.1	8.51			

Parcl. 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP04 (Well Number) **Static Water Level:** 6 ft

Target Purge Volume: ____ gal WELL DEPTH: 27.5 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** _____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
22 Dec	11:50	.3	10	66	18.6	7.18	.453	57.4	8.24	NA	OKA	clear,
	12:00	.3	10	69	18.4	7.15	.448	36.4	8.07			"
	12:10	.3	10	72	18.5	7.14	.445	48.2	7.81			"
	12:15	.3	10	73.5	18.6	7.17	.451	49.1	2.31			"
	:		Time	limit	41.0	has						
	:											
	:											
	:											
	:											
	:											
	:											

Ok. a 12-22-98

Photo sample Taken

Parcel 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: 774645 COST CODE: 01020300 DELIVERY ORDER CK05

SITE ID: LOCATION ID: FTA-145-GP05 (Well Number) Static Water Level: 5.8' ft

Target Purge Volume: ____ gal WELL DEPTH: 19.1 (ft from TOC) Well Casing Diameter: (opt) 2" Recovery Depth: ____

Date 1998	Time 24hr 1540	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
15DEC	15:45	1.25	14.0	6.25	17.7	6.78	.420	999	2.21	NA	MR	DARK GREY
	:50	1.20	16.5	12.45	18.0	7.25	.415	999	2.78			" "
	:55	1.0	17.9	17.45	18.2	7.45	.371	999	1.65			" "
	16:00	1.0	18.92	22.45	18.2	7.58	.399	999	1.40			" "
	:01	—	—	22.45	—	STOPPED PUMPING WELL DRY			—			—
	:25	—	10.6	—	—	RESTARTED PUMPING			—			—
	:30	1.25	18.50	28.70	17.6	7.39	.387	999	3.01			DARK GREY
	:											
	:											
	:											
	:											

Pa(1 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: 774645 COST CODE: 01020300 DELIVERY ORDER CK05

SITE ID: LOCATION ID: ETA-145-GP05 (Well Number) Static Water Level: 6.4 ft

Target Purge Volume: ____ gal WELL DEPTH: 19.1' (ft from TOC) Well Casing Diameter: (opt) 2" Recovery Depth: ____

Date 1998	Time 24hr 07:55	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
16 DEC.	08:00	.5	9.45	2.5	15.4	6.43	.391	999	8.96	NA	MR	DARK GREY
	:05	.5	10.55	5	16.3	6.56	.275	999	7.94			" "
	:10	.5	10.7	7.5	17.8	6.73	.350	999	7.42			GREY CLOUDY
	:20	.4	11.45	11.5	18.9	6.87	.355	999	2.12			" "
	:30	.4	11.6	15.5	19.3	7.03	.356	999	7.02			" "
	:40	.4	11.9	19.5	19.8	7.02	.352	377	2.39			" "
	:50	.4	12.72	23.5	19.5	7.08	.347	531	7.77			" "
	09:00	.4	13.18	27.5	20.4	7.12	.338	702	2.29			" "
	:10	.3	13.3	30.5	21.3	7.14	.347	514	2.13			" "
	:20	.3	13.45	33.5	21.1	7.13	.346	536	8.00			" "
	:30	.3	13.5	36.5	21.5	7.14	.346	478	1.49			" "

Parcel 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: 774645 COST CODE: 01020300 DELIVERY ORDER CK05

SITE ID: LOCATION ID: FTA-145-GP05 (Well Number) Static Water Level: 6.4' ft

Target Purge Volume: 92.2 gal WELL DEPTH: 19.1 (ft from TOC) Well Casing Diameter: (opt) 2" Recovery Depth: _____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
16DEC.	09:40	.3	13.52	39.5	21.7	7.13	.345	430	7.96	NA	MR	GREY, CLOUDY
	:50	.3	13.75	42.5	21.7	7.12	.343	230	2.00			" "
	10:00	.3	14.20	45.5	22.4	7.14	.345	999	2.00			DARK GREY
	:10	.3	14.3	48.5	22.6	7.12	.344	708	7.87			GREY, CLOUDY
	:20	.3	14.45	51.5	23.0	7.15	.342	664	2.53			" "
	:30	.3	14.84	54.5	23.0	7.14	.342	999	1.65			" "
	:40	.3	15.04	57.5	23.2	7.13	.341	999	2.20			" "
	:50	.3	15.28	60.5	22.5	7.14	.340	372	8.50			" "
	11:00	.3	15.50	63.5	23.5	7.13	.346	999	2.72			DARK GREY
	:											
	:											

Parc. 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP06 (Well Number) **Static Water Level:** 6.25 ft

Target Purge Volume: _____ gal WELL DEPTH: 15.1 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** _____

Date 1998	Time 24hr 1035	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
18 Dec	10:40	.3	7.1	1.5	14.2	7.43	.402	999	2.90	N/A	OKA	Gray, Cloudy, Muddy
	10:45	.3	8.3	3	14.4	7.40	.447	999	9.01			" " "
	10:50	.3	—	4.5	Pump	Clogged,	No readings	Taken				Pump Cleaned
	10:55	—	8.7	4.5	Restarted	Pump	—	—				—
	11:00	.3	10.4	6	16.1	7.09	.499	999	8.28			Gray, Cloudy, Muddy
	11:05	.3	12.0	7.5	18.1	7.02	.524	948	7.35			" " "
	11:10	.3	13.3	9	18.1	6.99	.544	999	7.59			" " " Well Dry
	:											
	:											
	:											
	:											

10.4 @ 1121

Parcel 145
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: 774645 COST CODE: 01020300 DELIVERY ORDER CK05

OKA

SITE ID: LOCATION ID: FTA-145-GP06 (Well Number) Static Water Level: 6.25 ft

Target Purge Volume: ____ gal WELL DEPTH: 15.1 (ft from TOC) Well Casing Diameter: (opt) 2" Recovery Depth: ____

Date 1998	Time 24hr 0805	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
21 Dec	08:10	.2	6.2	1	17.6	6.77	.622	999	9.43	NA	OKA	Gray, Cloudy, muddy
	08:15	.2	7.3	2	16.9	6.97	.562	277	9.74			" " "
	08:20	.2	7.7	3	17.0	6.95	.601	102	9.77			" " "
	08:30	.2	8.8	5	18.0	6.92	.623	779	3.87			" " "
	08:40	.2	10.5	7	21.5	6.96	.644	999	7.81			" " "
	08:50	.2	11.2	9	22.4	6.84	.651	999	7.77			" " "
	09:00	.2	12.0	11	22.1	6.76	.652	999	2.01			" " "
	09:10	.2	13.2	13	21.1	6.88	.620	999	7.91			" " "
	09:20	.2	14.0	15	22.3	6.96	.637	489	2.12			Well "DRY"
	11:10	—	~~7~~.5	15	RESTARTED		PUMP	—	—			" " "
	11:15	.2	8.5	16	19.3	6.86	.653	868	4.38			" " "

Pard 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP06 (Well Number) **Static Water Level:** 6.25 ft

Target Purge Volume: _____ gal WELL DEPTH: 15.1 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** _____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
21 Dec	11:20	.2	8.7	17	19.6	6.83	.657	921	4.60	N/A	OKA	Gray, muddy, cloudy
	11:30	.2	9.3	19	21.2	6.81	.656	999	7.89			" " "
	11:40	.2	10.5	21	21.9	6.83	.657	640	4.53			" " "
	11:50	.2	11.3	23	22.4	6.82	.658	974	7.80			" " "
	12:00	.2	11.7	25	22.6	6.73	.667	956	7.70			" " "
	12:10	.2	13.5	27	21.8	6.91	.644	999	8.08			WELL DRY
	12:30	—	11.0	28	Partial Recharge for Sample							
	:	Last line used - Time limit										
	:											
	:											
	:											

OKA 12-21-98

Parcel 145
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-6P07 (Well Number) **Static Water Level:** 6.50 ft

Target Purge Volume: _____ gal WELL DEPTH: 19.66 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** 19.2

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
12-16	15 :35	.80	16.7	0	20.3	6.83	.544	999	7.55		S. Smith B. Lambert	gray-cloudy
	15 :40	.80	17.55	4	20.3	6.93	.551	999	1.99			
	15 :45	.80	17.60	8	20.6	7.04	.540	513	2.79			
	15 :50	.80	17.80	12	20.5	7.18	.542	495	2.80			
	15 :55	.80	17.00	16	20.2	7.18	.534	464	1.45			
	16 :05	.80	17.4	20	20.2	7.29	.544	422	1.28			
	16 :15	.80	17.88	24	20.0	7.23	.536	316	1.11			
	16 :25	.80	18.20	28	19.4	7.30	.542	547	2.97			
	16 :35	.80	18.50	32	20.0	7.22	.54	—	2.57			Error in Turb. meter
	16 :45	.80	19.2	36	19.0	7.14	.528	323	1.46			
	:											

Parcel 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

Page 1 of 2 ~~2~~ 3 OKA

SITE ID: **LOCATION ID:** FTA-145-GP07 (Well Number) **Static Water Level:** 7.98 ft

Target Purge Volume: _____ gal WELL DEPTH: 19.66 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** 18.9

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
12-17	07:13		Start		Pumping						B. Lambert S. Smith	murky-gray
	07:15	1.00	14.55	3.00	18.0	6.51	.572	1287	3.44			
	07:20	1.00	17.00	8.00	18.9	7.14	.551	1207	2.39			
	07:25	1.00	17.40	13.00	19.1	7.17	.542	1255	4.17			
	07:30	1.00	18.70	18.00	19.0	7.22	.547	354	3.31			
	07:40	1.00	19.10	23.00	18.8	7.27	.545	1022	2.46			
	07:41		Well			Dry						
	08:10	.75	13.95	Start	Pumping							
	08:15	.75	13.95	27.00	18.3	7.30	.543	1242	4.22			murky-gray
	08:20	.75	13.70	31.00	18.5	7.33	.542	1221	4.12			
	08:30	.75	NA	39.00	18.6	7.25	.527	1108	2.18			

Well is Developed

Parcel 145
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GW07 (Well Number) **Static Water Level:** 7.98 ft

Target Purge Volume: 127 gal WELL DEPTH: 19.66 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** 18.9

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
12-17	08:40	.75	NA	47.00	18.8	7.31	.533	1406	3.48		B. Linert S. Smith	Murky Gray
	08:50	.75	NA	55.00	18.6	7.37	.532	198	8.12			
	09:00	.75	NA	63.00	19.0	7.28	.524	440	2.66			
	09:10	.75	NA	71.00	19.2	7.21	.511	1006	1.87			
	09:12		we	ll		Dry						
	09:35		Start Pumping									Murky Gray
	09:40	.75	NA	75.0	19.0	7.30	.532	1245	4.15			
	09:50	.75	NA	83.0	19.0	7.32	.528	1195	3.33			
	10:00	.75	NA	91.0	19.1	7.32	.520	224	2.64			
	:											
	:											

Part . 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: 774645 COST CODE: 01020300 DELIVERY ORDER CK05

SITE ID: LOCATION ID: FTA-145-GP08 (Well Number) Static Water Level: 7.8 ft

Target Purge Volume: ____ gal WELL DEPTH: 19.35 (ft from TOC) Well Casing Diameter: (opt) 2" Recovery Depth: _____

Date 1998	Time 24hr 1420	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
17 Dec	14:25	.2	9.6	1	19.7	7.42	.362	999	8.33	NA	OKA	Gray, Cloudy, Muddy
	14:30	.2	9.8	2	20.5	7.32	.361	999	7.96			" " "
	14:35	.2	9.95	3	19.8	7.20	.395	999	8.03			" " "
	14:40	.2	10.4	4	20.5	7.13	.414	999	7.54			" " "
	14:50	.2	12	6	20.3	7.16	.415	999	8.01			" " "
	15:00	2	13	8	21.9	7.37	.361	999	7.21			" " "
	15:10	.2	14	10	22.9	7.27	.366	310	7.32			" " "
	15:20	.2	15	12	20.6	7.27	.397	999	8.11			" " "
	15:30	.2	16	14	18.3	7.56	.409	999	8.45			" " "
	15:40	.2	17	16	19.9	7.64	.364	999	7.46			" " " well dry
	16:18	—	13.2	16	Restarted	Pump	—	—				—

Parcel 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP08 (Well Number) **Static Water Level:** 7.8 ft

Target Purge Volume: _____ gal WELL DEPTH: 19.35 (ft from TOC) Well Casing Diameter: (opt) _____ **Recovery Depth:** _____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
17 Dec	16:23	.2	14.8	17	16.7	7.02	.350	467	7.28	NA	OKA	Gray, Cloudy, Muddy
	16:28	.2	15.25	18	13.8	6.77	.353	999	8.15			
	16:33	.2	16.2	19	18.5	6.96	.370	999	6.30			
	16:43	.2	15.6	20	17.7	7.06	.388	999	6.74			
	:	Suspended due to darkness										
	:											
	:											
	:											
	:											
	:											
	:											

Parc 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

OKA

SITE ID: **LOCATION ID:** FTA-145-GP08 (Well Number) **Static Water Level:** 10.9 ft

Target Purge Volume: _____ gal WELL DEPTH: 19.35 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** _____

Date 1998	Time 24hr 0805	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
18 Dec	08:10	.2	12.0	1	16.5	6.62	.350	999	7.92	N/A	OKA	Gray, Cloudy, Muddy
	08:15	.2	12.5	2	17.9	7.22	.355	999	3.10			" " "
	08:20	.2	13.0	3	18.2	7.26	.354	999	7.27			" " "
	08:25	.2	13.9	4	20.4	7.31	.355	289	6.59			" " "
	08:35	.2	15.1	6	18.8	7.45	.363	584	3.80			" " "
	08:45	.2	17.0	8	18.4	7.49	.365	999	3.44			" " "
	08:50	.2	17.8	9	Well	DRY	NO READINGS		TAKEN			Recharging
	09:25	—	13.0	9	Restarted	Pumping	—		—			—
	09:30	.2	14.7	10	18.7	7.55	.361	952	3.11			Gray, Cloudy, Muddy
	09:35	.2	15.9	11	19.7	7.49	.368	999	4.02			" " "
—	09:45	.2	17.3	13	22.5	7.44	.368	409	2.86	—	—	" " "

13.4 @0917
13.2 @0920
13.0 @0923
0945 Time Expires

Parcel 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP09 (Well Number) **Static Water Level:** 12.2 ft

Target Purge Volume: ____ gal WELL DEPTH: 24.9 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** _____

Date 1998	Time 24hr 1255	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
21 Dec	13:00	.2	13.2	1	21.1	7.35	.488	999	1.69	N/A	OKA	Dark gray, Cloudy.
	13:05	.2	13.7	2	21.4	7.31	.486	999	1.84			" "
	13:10	.2	14.0	3	21.8	7.17	.482	999	8.18			" "
	13:20	2	14.15	5	22.4	7.17	.477	999	8.01			" "
	13:30	.2	14.3	7	22.3	7.16	.452	449	7.92			Gray, Cloudy
	13:40	.2	14.35	9	22.8	7.06	.460	752	7.87			" "
	13:50	.2	14.4	11	22.8	7.06	.457	856	1.74			" "
	14:00	.2	14.47	13	22.3	7.12	.453	369	1.90			" "
	14:10	.2	—	15	No	Readings	Taken					" "
	14:20	2	14.72	17	23.1	7.02	.455	764	1.78			" "
	14:30	.2	15.0	19	22.7	7.10	.456	999	7.87			

Pard 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP09 (Well Number) **Static Water Level:** 12.2 ft

Target Purge Volume: ____ gal WELL DEPTH: 24.9 (ft from TOC) Well Casing Diameter: (opt) ____ **Recovery Depth:** ____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
21 Dec	14:40	.3	15.0	22	22.5	7.10	.455	682	1.59	N/A	GKA	Gray, Cloudy
	14:50	.3	15.1	25	22.4	7.11	.453	730	2.87			" "
	15:00	.3	15	28	22.3	7.05	.453	710	2.74			" "
	15:10	.3	15	31	22.3	7.07	.451	638	2.21			" "
	15:20	.3	15	34	22.3	7.06	.449	276	2.08			Cloudy, clearing
	15:30	.3	15.1	37	22.3	7.05	.445	114	2.22			clearing.
	15:40	.3	15.1	40	22.4	7.07	.448	51.4	2.14			"
	15:50	.3	15.1	43	22.3	7.08	.448	38.5	7.81			"
	16:00	.3	15.1	46	22.4	7.08	.448	27.2	7.72			clear.
	16:10	.3	15.15	49	22.5	7.04	.449	22.3	2.05			clear
	16:20	.3	15.15	52	22.3	7.06	.447	18.9	2.56			clear

Parcel 145
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP10 (Well Number) **Static Water Level:** 7.1 ft

Target Purge Volume: _____ gal WELL DEPTH: 15.0 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** _____

Date 1998	Time 24hr 0755	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
17 Dec	08:00	.2	7.9	1	17.9	6.49	.417	999	7.99	N/A	OKA	TAN, Cloudy
	08:05	.2	7.9	2	19.1	6.65	.385	266	7.47			" "
	08:10	.2	7.9	3	19.7	6.73	.378	971	7.47			" "
	08:20	.2	7.9	5	19.4	6.42	.359	999	6.94			" "
	08:30	.2	7.9	7	19.1	6.16	.358	816	6.92			" "
	08:40	.2	7.9	9	19.1	6.05	.357	404	6.74			TAN, Cloudy
	08:50	.2	7.95	11	19.7	6.59	.358	203	2.37			" "
	09:00	.2	8	13	19.9	6.68	.360	172	7.38			Clearing, Cloudy
	09:10	.2	8.1	15	20.1	6.68	.360	85	7.08			Clearing
	09:20	.2	8.2	17	20.4	6.67	.362	75.5	6.91			Clearing
	09:30	.2	8.3	19	20.2	6.68	.357	245	6.81			TAN, Cloudy

Part 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP10 (Well Number) **Static Water Level:** 7.1 ft

Target Purge Volume: ____ gal WELL DEPTH: 15.0 (ft from TOC) Well Casing Diameter: (opt) ____ **Recovery Depth:** ____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
17 Dec	09:40	.2	8.2	21	20.0	6.24	.359	125	2.68	N/A	OKA	clearing, Cloudy
	09:50	.2	8.2	23	20.0	6.43	.360	36.5	7.38			Clear
	10:00	.2	8.2	25	19.9	6.59	.354	19.6	2.22			Clear
	:	Last Line Used										
	:											
	:											
	:											
	:											
	:											
	:											
	:											

OKA 12-17-98

Photo Sample Taken

Parcel 145

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-145-GP12 (Well Number) **Static Water Level:** 15.65 ft

Target Purge Volume: _____ gal WELL DEPTH: 20.1 (ft from TOC) Well Casing Diameter: (opt) _____ **Recovery Depth:** _____

Date 1998	Time 24hr 1025	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
17 Dec	10:30	.2	–	1	16.7	6.26	.178	999	7.45	N/A	OKA	WELL DRY TAN, Muddy, Cloudy
	11:15	–	16.9	1	Restarted		Pump					
	11:20	.1	17.8	1.5	18.8	6.64	197	999	7.94			TAN, muddy, cloudy
	11:25	.1	19.1	2	18.6	6.60	.196	999	8.14			WELL "DRY"
	12:10	–	17.0	2	Restarted		Pump					—
	12:15	.1	–	2.5	Well Dry, No readings Taken							TAN, muddy, cloudy
	:			moved	on	to	Another	Location				
	:											
	:											
	:											
	:											

OKA 12-17-98

Groundwater Well Development Log

Fort McClellan, Alabama

Project Number: 774645
Form Completed by: O.K. Allen
Well Developed by (person/firm): O.K. Allen IP Corp

Parcel No.: FTA-145
Well No.: GP13
Date started: 12-24-99

Monitoring Well Information

Development Method: Purge
Development Equipment: Whale Pumps

Casing Diameter: 2"
Flush mount or Stickup: Stick up

Screen @ 9.5 -14.5 FT

Beginning Measurments
Depth to Water (ft): 6.25
Total depth of Well (ft): 16.71

PID: 0.0 WC: 10.46
PV: 1.8 gal 5" PV: 9 gal

NO WATER used IN WELL INSTALLAT

	Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
T	11 05	0	6.25	START						
	11:20	2.2	7.90	7.36	.497	+999	1.64	14.3	DARK GRAY	Pump 6" OFF BOTTOM .15 PR
	11:35	4.4	7.76	7.27	.513	+999	0.07	14.8	DARK GRAY MUDDY	.15 PR
1 HR	11:50	7.4	8.25	7.18	.494	512	0.74	14.9	GRAY CLOUDY	INCREASED FLOW RATE .2 PR
1	12:05	10.4	8.23	7.24	.515	480	0.76	14.9	GRAY CLOUDY	Pump 2' OFF BOTTOM .2 PR
	12:20	13.4	8.45	7.30	.516	70.3	0.81	14.9	CLEARING	.2 PR
	12:35	16.4	8.65	7.20	.514	36.8	0.46	15.3	CLEAR	.2 PR
	12:50	19.4	8.88	7.15	.507	50.9	0.26	15.4	CLEAR	RAISED PUMP TO TOP OF SCREEN .2 PR

D:\FTMC\DEVELOPMENTLOG.DOC
08/03/99

Development Time 2.5 HRS WATER Removed 28.4 GAL FINAL NTU:

5-22-00;10:01 ;THE T GROUP ;2563483551 # 2/ 3

Parcel No.: FTA-145
Well ID: GP03
Date: 12-24-99

Time 24hr	Purge Volume (gal)	Water Level (ft) (TOC)	pH (std units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/L)	Temperature (°C)	Clarity (color)	Comments (Date if different from start date)
2hrs 1 13:05	22.4	8.97	7.14	.508	27.2	0.27	15.3	Clear	.2PR
13:20	25.4	8.99	7.05	.507	20.0	0.26	15.3	Clear	.2PR
13:35	28.4	9.11	7.15	.499	15.2	0.26	15.2	Clear	.2PR
:	Well Developed			15 Volumes Removed			FINAL	NTU:	TOTAL GA: 28.4
:									
:									
:									
:									
:									
:									
:									
:									
:									
:									

OK 12-24-99

5-22-00;10:01 ;THE IT GROUP

APPENDIX D

SURVEY DATA

Appendix D

Survey Data
Former Motor Pool Area 1800/1900, Parcels 145(7), 52(7), and 48(7)
Fort McClellan, Calhoun County Alabama

Sample Location	Northing	Easting	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)
FTA-100-SW/SD01	1167635.050	669864.280	764.63	NA
FTA-100-SW/SD02	1167791.520	669753.540	761.93	NA
FTA-145-DEP01	1168364.483	669881.280	773.60	NA
FTA-145-DEP02	1168080.824	669877.900	775.96	NA
FTA-145-GP01	1167892.947	670055.297	775.85	NA
FTA-145-GP02(W)	1167859.913	670105.194	776.18	777.02
FTA-145-GP02(SS)	1167878.966	670091.735	775.45	NA
FTA-145-GP03(W)	1167690.251	670261.982	779.51	779.67
FTA-145-GP03(SS)	1167670.834	670194.351	777.84	NA
FTA-145-GP04(W)	1167551.422	670304.122	779.18	781.51
FTA-145-GP04(SS)	1167524.192	670238.974	776.77	NA
FTA-145-GP05(W)	1167476.609	670220.940	775.81	779.10
FTA-145-GP05(SS)	1167464.502	670217.696	776.48	NA
FTA-145-GP06(W)	1167740.677	670154.035	777.10	778.92
FTA-145-GP06(SS)	1167727.217	670108.079	775.31	NA
FTA-145-GP07	1167450.553	670383.235	780.91	781.37
FTA-145-GP08	1167702.852	670374.541	784.54	786.61
FTA-145-GP09(W)	1167936.091	670271.641	787.69	788.76
FTA-145-GP09(SS)	1167957.607	670259.210	787.45	NA
FTA-145-GP10	1168182.843	669894.361	775.49	777.73
FTA-145-GP11	1167887.228	670072.010	775.75	NA
FTA-145-GP12	1168230.279	670106.191	784.99	786.27
FTA-145-GP13	1168394.646	669807.556	758.27	760.74
FTA-145-GP14	1168532.141	669762.665	764.06	NA
FTA-145-SW/SD01	1168519.240	669550.727	757.92	NA
FTA-145-SW/SD02	1168102.917	669647.896	759.36	NA
WS-145-SW/SD01	1167216.732	670358.586	772.57	NA
UST-48-GP01(SS)	1168644.600	669920.982	770.15	NA
UST-48-GP02(SS)	1168661.140	669961.457	771.89	NA
UST-48-MW01(W)	1168640.840	669932.795	770.92	NA

Horizontal coordinates were referenced to the U.S. State Plane Coordinate System, Alabama East Zone, North American Datum (NAD83), 1983.

Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).

NA - Not available, temporary well not installed.
ft msl - Feet mean sea level.