GROUNDWATER TECHNOLOGY, INC.
OIL RECOVERY SYSTEMS

Monitoring Well 1

Drilling Log

Project: Good Chevrolet — Owner: Good Chevrolet
Location: 1630 Park St. Alameda — Project Number: 20-8208
Date Drilled: 1/15/87 — Total Depth of Hole: 20 ft. — Diameter: 7.5 inches
Surface Elevation: ____ — Water Level, Initial: 14 ft. — 24-hrs.: ____
Screen: Dia. .020 — Length: 15 feet — Slot Size: .020
Casing: Dia. 2 inch — Length: 5 feet — Type: PVC
Drilling Company: Kvilhaug — Drilling Method: Hollowstem Auger
Driller: C. Pruner — Log by: N. Farrar

Sketch Map

Notes

Depth (Feet)	Well Construction	Notes	Sample Number	Graphic Log	Description/Soil Classification
0					3 inches Asphalt 8 inches base course
2					Black silty sand (loose, dry, no product odor)
4			A 5, 12, 14		(grades light brown, medium dense)
6				SM	
8					(strong product odor)
10			B 10, 19, 30		
12					
14			C 10, 14, 19		Encountered water 1/15/87 (grades no product odor)
16					
18					
20					Drilled to 20 feet, installed well
22					
24					

02100144

GROUNDWATER TECHNOLOGY, INC.
OIL RECOVERY SYSTEMS

Monitoring Well 2

Drilling Log

Project Good Chevrolet Owner Good Chevrolet
Location 1630 Park St. Alameda Project Number 20-8208
Date Drilled 1/15/87 Total Depth of Hole 20 ft. Diameter 7.5 inches
Surface Elevation ____ Water Level, Initial 14 ft. 24-hrs. ____
Screen: Dia. .020 Length 15 feet Slot Size .020
Casing: Dia. 2 inch Length 5 feet Type PVC
Drilling Company Kvilhaug Drilling Method Hollowstem Auger
Driller C. Pruner Log by N. Farrar

Sketch Map

Notes

Depth (Feet)	Well Construction	Notes	Sample Number	Graphic Log	Description/Soil Classification
0					3 inches Asphalt 8 inches base course
2					Brown silty sand (medium dense, dry, no no product odor) (grades tan)
4			A 6 6 12	SM	
6					(grades slight product odor)
8					
10			B 10 21 27		(grades dense) (strong product odor)
12					
14					(very slight product odor) Encountered water 1/15/87
16			C 15 20 28		(grades no product odor)
18					
20					Drilled to 20 feet, installed well
22					
24					

02100144

GROUNDWATER TECHNOLOGY, INC.
OIL RECOVERY SYSTEMS

Monitoring Well 3

Drilling Log

Project Good Chevrolet Owner Good Chevrolet

Location 1630 Park St. Alameda Project Number 20-8208

Date Drilled 1/15/87 Total Depth of Hole 20 ft. Diameter 7.5 inches

Surface Elevation ____ Water Level, Initial 14 ft. 24-hrs. ____

Screen: Dia. .020 Length 15 feet Slot Size .020

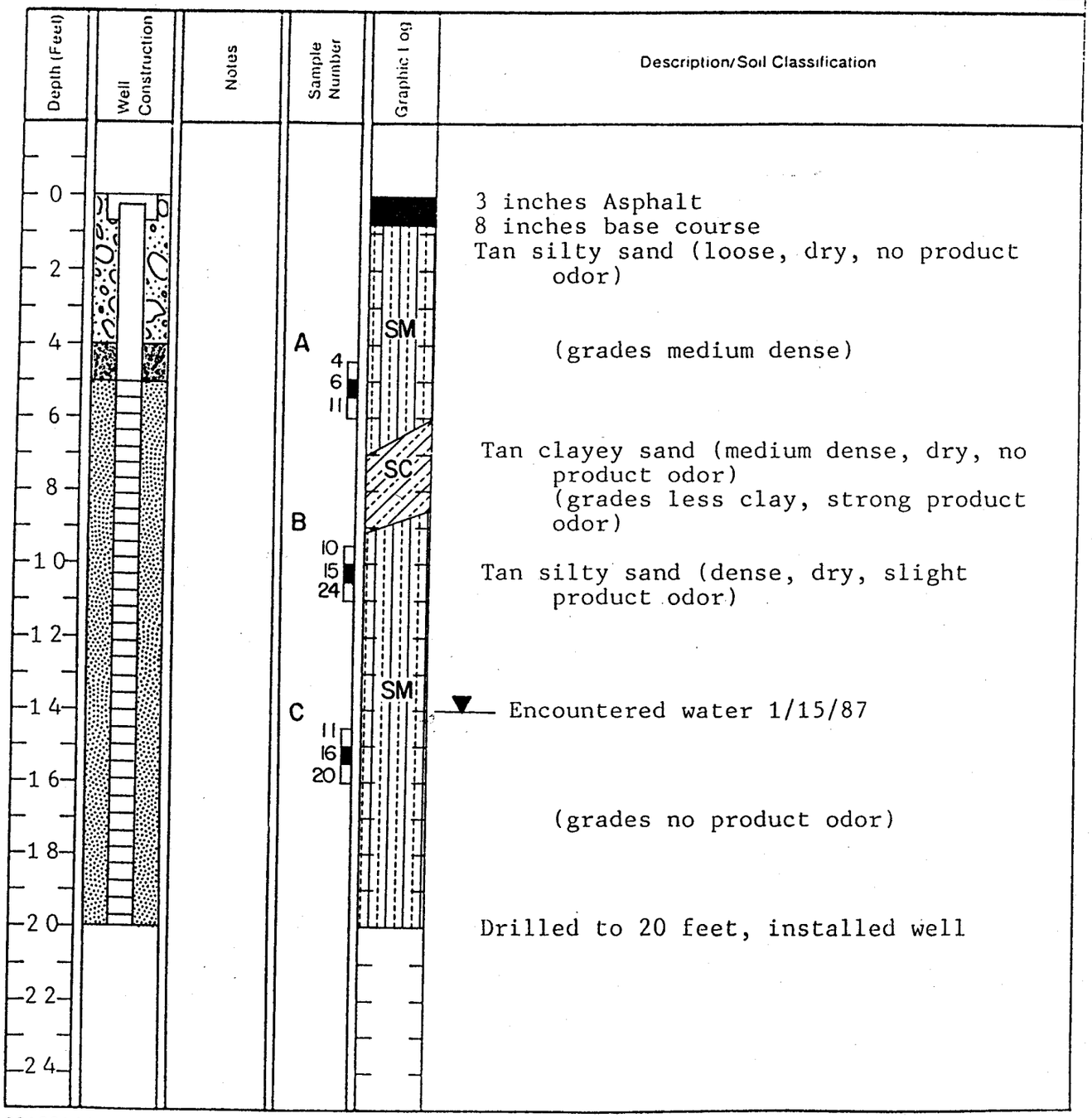
Casing: Dia. 2 inch Length 5 feet Type PVC

Drilling Company Kvilhaug Drilling Method Hollowstem Auger

Driller C. Pruner Log by N. Farrar

Sketch Map

Notes



02100144

GROUNDWATER TECHNOLOGY, INC.
OIL RECOVERY SYSTEMS

Soil Boring 4

Drilling Log

Project: Good Chevrolet — Owner: Good Chevrolet

Location: 1630 Park St. Alameda — Project Number: 20-8208

Date Drilled: 1/15/87 — Total Depth of Hole: 10 ft — Diameter: 7.5 inch

Surface Elevation: — Water Level, Initial: — 24-hrs.:

Screen: Dia.: — Length: — Slot Size:

Casing: Dia.: — Length: — Type:

Drilling Company: Kvilhaug — Drilling Method: Hollowstem Auger

Driller: C. Pruner — Log by: N. Farrar

Sketch Map

Notes

Depth (Feet)	Well Construction	Notes	Sample Number	Graphic Log	Description/Soil Classification
0					3 inches Asphalt 8 inches base course
2					Tan silty sand (loose, moist, no product odor)
4					
6				SM	
8					
10					Drilled to 10 feet
12					
14					
16					
18					
20					
22					
24					

02100144

GROUNDWATER TECHNOLOGY, INC.
OIL RECOVERY SYSTEMS

Soil Boring 5

Drilling Log

Project: Good Chevrolet — Owner: Good Chevrolet

Location: 1630 Park St. Alameda — Project Number: 20-8208

Date Drilled: 1/15/87 — Total Depth of Hole: 10.5 ft — Diameter: 7.5 inch

Surface Elevation: — Water Level, Initial: — 24-hrs.:

Screen: Dia.: — Length: — Slot Size:

Casing: Dia.: — Length: — Type:

Drilling Company: Kvilhaug — Drilling Method: Hollowstem Auger

Driller: C. Pruner — Log by: N. Farrar

Sketch Map

Notes

Depth (Feet)	Well Construction	Notes	Sample Number	Graphic Log	Description/Soil Classification
0					3 inches Asphalt 8 inches base course
2					Tan silty sand (loose, dry, no product odor)
4				SM	
6					(grades more silty)
8					(grades coarser)
10			A 5		(slight product odor)
12					(strong product odor, obtained grab sample)
14					
16					
18					
20					
22					
24					

02100144

SUBSURFACE DATA LOG

LOG No. EB-1 DATE: 10/15/93
LOCATION: GOOD CHEVROLET
EQUIPMENT:
PROJECT No.

DRY DENSITY (lbs cu ft)	MOISTURE (% of dry wt)	"N" VALUE (blows/ft)	OVM READING (ppm)	SAMPLE TYPE	DEPTH (ft)	LOG	U.S.C.	
								2" A/C and 5" Aggregate Base
								SAND, coarse-grained, red, damp (FILL)
								SAND, medium-grained, medium brown (FILL)
								SAND, medium- to coarse-grained, medium gray-brown, damp, loose
					5			SAND, medium- to coarse-grained, yellow-brown moist, loose
								SAND, fine-grained, green, moist, dense
					10			SAND, medium- to coarse-grained, orange-brown, moist to wet, dense
								gasoline vapors detected between 9 to 11.5 feet
					15			Bottom of Boring 11.5 feet

GeoPlexus, Inc.

FIGURE 5

SUBSURFACE DATA LOG

DRY DENSITY (lbs cu. ft.)	MOISTURE (% of dry wt.)	"N" VALUE (blows/ft.)	OVM READING (ppm)	SAMPLE TYPE	DEPTH (ft)	LOG	U.S.C.	
								3" A/C and 6" Aggregate Base
								SAND, medium- to coarse-grained, dark gray, damp, loose, contains brick fragments (FILL)
					5			SAND, medium- to coarse-grained, yellow-brown, moist, loose
					10			SAND, medium- to coarse-grained, orange-brown moist, dense gasoline vapors detected between 9-12 feet
					15			Bottom of Boring 12 feet

LOG No. EB-2 DATE: 10/15/93

LOCATION: GOOD CHEVROLET

EQUIPMENT:

PROJECT No.

GeoPlexus, Inc.

FIGURE 6

SUBSURFACE DATA LOG

DRY DENSITY (lbs cu. ft.)	MOISTURE (% of dry wt.)	"N" VALUE (blows/ft.)	OVM READING (ppm)	SAMPLE TYPE	DEPTH (ft)	LOG	U.S.C.	
								2" A/C and 6" Aggregate Base
								SAND, medium- to coarse-grained, dark gray, damp contains brick fragments (FILL)
					5			SAND, medium- to coarse-grained, yellow-brown, moist, dense
								SAND, medium- to coarse-grained, orange-brown, moist, dense
					10			SAND, medium-grained, green, moist
								SAND, fine- to medium-grained, blue-gray, moist gasoline vapors between 9-12 feet
					15			SAND, medium- to coarse-grained, blue-gray, wet dense
								Bottom of Boring 13 feet

LOG No. EB-3 DATE: 10/15/93

LOCATION: GOOD CHEVROLET

EQUIPMENT:

PROJECT No.

GeoPlexus, Inc.

FIGURE 7

SUBSURFACE DATA LOG

DRY DENSITY (lbs cu. ft.)	MOISTURE (% of dry wt.)	"N" VALUE (blows/ft.)	OVM READING (ppm)	SAMPLE TYPE	DEPTH (ft.)	LOG	U.S.C.

LOG No. EB-4 DATE: 10/15/93

LOCATION: GOOD CHEVROLET

EQUIPMENT:

PROJECT No.

2" A/C and 6" Aggregate Base

SAND, fine- to coarse-grained, dark gray, damp loose, contains brick fragments (FILL)

SAND, medium-grained, orange-brown, moist, dense

5

SAND, medium- to coarse-grained, greenish-brown, moist, dense

10

gasoline vapors detected between 8-11.5'

Bottom of Boring 11.5 feet

15

GeoPlexus, Inc.

FIGURE 8

SUBSURFACE DATA LOG

LOG No. EB-5 DATE: 10/15/93
LOCATION: GOOD CHEVROLET
EQUIPMENT:
PROJECT No.

DRY DENSITY (lbs cu. ft.)	MOISTURE (% of dry wt.)	"N" VALUE (blows/ft.)	OVM READING (ppm)	SAMPLE TYPE	DEPTH (ft)	LOG	U.S.C.	
								2" A/C and 5" Aggregate Base
								SAND, medium-grained, dark gray, brick fragments (FILL)
								SAND, medium-grained, yellow-brown, damp, loose
					5			
								SAND, medium- to coarse-grained, orange-brown, damp, dense
								greenish staining at 8 to 9 feet, gasoline vapors at 8.5 to 12 feet
					10			
								SAND, coarse-grained, orange-brown, wet, dense
								Bottom of Boring 12.5 feet
					15			

GeoPlexus, Inc.

FIGURE 9

SUBSURFACE DATA LOG

DRY DENSITY (lbs cu. ft.)	MOISTURE (% of dry wt.)	"N" VALUE (blows/ft.)	OVM READING (ppm)	SAMPLE TYPE	DEPTH (ft)	LOG	U.S.C.	
								3" A/C and 6" Aggregate Base
								SAND, medium- to coarse-granied, gray-brown, damp, loose, contains brick fragments (FILL)
								SAND, medium- to coarse-grained, yellow-brown, moist, dense
					5			SAND, medium- to coarse-grained, orange-brown, damp to moist, dense
								gasoline vapors at 9 feet
					10			Bottom of Boring 9 feet
					15			

LOG No. EB-6 DATE: 10/15/93

LOCATION: GOOD CHEVROLET

EQUIPMENT:

PROJECT No.

GeoPlexus, Inc.

FIGURE 10

SUBSURFACE DATA LOG

LOG No. EB-7 DATE: 10/15/93

LOCATION: GOOD CHEVROLET

EQUIPMENT:

PROJECT No.

DRY DENSITY (lbs cu. ft.)	MOISTURE (% of dry wt.)	"N" VALUE (blows/ft.)	OVM READING (ppm)	SAMPLE TYPE	DEPTH (ft)	LOG	U.S.C.	
								2" A/C and 6" Aggregate Base
								SAND, medium-grained, dark gray, damp, brick fragments (FILL)
					5			SAND, medium- to coarse-grained, yellow-brown, moist, dense
								SAND, medium- to coarse-grained, orange-brown, moist, dense
								gasoline vapors at 9 to 9.5 feet
					10			Boring terminated at 9.5 feet
					15			

GeoPlexus, Inc.

FIGURE 11

AIR TOXICS LTD.

SAMPLE NAME : AGP3 24403

ID#: 9811243-03A

EPA Method TO-3 GC/PID/FID

File Name:	**6112421**	**Date of Collection: 11/12/98**
Dil. Factor:	**11.0**	**Date of Analysis: 11/24/98**

Compound	Det. Limit (ppmv)	Det. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
Benzene	0.011	0.036	Not Detected	Not Detected
Toluene	0.011	0.042	0.045 J	0.17 J
Ethyl Benzene	0.011	0.049	0.013 J	0.056 J
Total Xylenes	0.011	0.049	0.020 J	0.090 J
Methyl tert-Butyl Ether	0.011	0.040	0.014 J	0.053 J
TPH (C5+ Hydrocarbons) ref. to Gasoline	0.11	0.46	0.42 J,B	1.7 J,B
C2-C4 Hydrocarbons ref. to Gasoline	0.11	0.20	Not Detected	Not Detected

B = Compound present in laboratory blank, background subtraction not performed.
J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Fluorobenzene (PID)	100	50-150
Fluorobenzene (FID)	109	50-150

AIR TOXICS LTD.

SAMPLE NAME : AGP2 12365

ID#: 9811243-02A

EPA Method TO-3 GC/PID/FID

File Name:	**6112420**	**Date of Collection: 11/12/98**
Dil. Factor:	**6.38**	**Date of Analysis: 11/24/98**

Compound	Det. Limit (ppmv)	Det. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
Benzene	0.0064	0.021	0.011 J	0.036 J
Toluene	0.0064	0.024	0.091	0.35
Ethyl Benzene	0.0064	0.028	0.011 J	0.050 J
Total Xylenes	0.0064	0.028	0.055 J	0.24 J
Methyl tert-Butyl Ether	0.0064	0.023	0.032	0.12
TPH (C5+ Hydrocarbons) ref. to Gasoline	0.064	0.27	0.73 B	3.0 B
C2-C4 Hydrocarbons ref. to Gasoline	0.064	0.12	Not Detected	Not Detected

B = Compound present in laboratory blank, background subtraction not performed.

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Fluorobenzene (PID)	99	50-150
Fluorobenzene (FID)	108	50-150

AIR TOXICS LTD.

SAMPLE NAME : AGP1 21018

ID#: 9811243-01A

EPA Method TO-3 GC/PID/FID

File Name:	**6112419**	**Date of Collection:**	**11/12/98**
Dil. Factor:	**2.38**	**Date of Analysis:**	**11/24/98**

Compound	Det. Limit (ppmv)	Det. Limit (uG/L)	Amount (ppmv)	Amount (uG/L)
Benzene	0.0024	0.0077	0.012	0.038
Toluene	0.0024	0.0091	0.030	0.11
Ethyl Benzene	0.0024	0.011	0.0041 J	0.018 J
Total Xylenes	0.0024	0.011	0.022 J	0.096 J
Methyl tert-Butyl Ether	0.0024	0.0087	0.0058 J	0.021 J
TPH (C5+ Hydrocarbons) ref. to Gasoline	0.024	0.099	0.46 B	1.9 B
C2-C4 Hydrocarbons ref. to Gasoline	0.024	0.044	0.029 J	0.053 J

B = Compound present in laboratory blank, background subtraction not performed.
J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	% Recovery	Method Limits
Fluorobenzene (PID)	86	50-150
Fluorobenzene (FID)	96	50-150