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A Member of The IT Group

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STID 1082

September 1, 1999

RESP. RCVD 1/13/2000 AA

Mr. Amir K Gholami, REHS
Hazardous Materials Specialist
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: Interim Remedial Action Progress Report
Former Sears Store No. 1058
2600 Telegraph Avenue, Oakland, CA 94612
IT Corporation Project 782807

Dear Mr. Gholami:

IT Corporation, on behalf of Sears, Roebuck and Co. (Sears), presents the following Interim Remedial Action Progress Report for the former Sears Store No. 1058 located at 2600 Telegraph Avenue, Oakland, California. The purpose of the field activities was to collect shallow groundwater recharge data from on-site monitoring well MW-3 following removal of both groundwater and separate-phase hydrocarbons (SPH) from the well. The object of the data collection was to evaluate the most effective frequency for optimum SPH extraction from MW-3. The interim remedial action described herein was conducted at the site between May 11, and June 25, 1999.

On May 11, 1999, an IT Corporation technician gauged and recorded the depth to SPH and depth to groundwater in monitoring well MW-3 using an ORS Interface Probe™ (IP) Well Monitoring System. Liquid levels were recorded to the closest hundredth of a foot on a field form. No SPH thickness was recorded for MW-3 during this well measurement activity, although a "heavy sheen" and "strong odor" were observed and recorded. Approximately 15 gallons of water was then manually bailed from the well using a clean disposable bailer. The well recovery rate was recorded periodically on a field form. The depth to groundwater in monitoring well MW-3 was recorded again on May 12, 1999.

On June 2, 1999, an IT Corporation technician again gauged and recorded the depths to SPH and groundwater in monitoring well MW-3 following the same methodology as described above. Approximately 0.02 foot of SPH was measured in the well. Approximately 25 gallons of water was then hand bailed from the well using a disposable bailer. Due to a rapid well recharge rate, the well could not be hand bailed dry. Therefore, approximately 35 gallons of additional water was removed from the well using a down well pump. The well recovery rate was then recorded on a field form. The last depth to groundwater measurement was recorded approximately 6 hours after the bailing activity began.

On June 10, 1999, an IT Corporation technician again gauged and recorded the depths to SPH and groundwater in monitoring well MW-3 following the same methodology. There was no SPH thickness

recorded for MW-3 during this well measurement, although a "sheen" was observed and recorded on the field form. Approximately 17 gallons of water was then hand bailed from the well using a disposable bailer. The well recovery rate was recorded on a field form. The last depth to groundwater measurement was recorded approximately 6 hours after the bailing activity began.

On June 25, 1999, an IT Corporation technician again gauged and recorded the depths to SPH and groundwater in monitoring well MW-3 following the same methodology. Approximately 0.01 foot of SPH was measured in the well. Approximately 15 gallons of water was then hand bailed from the well using a disposable bailer. The well recovery rate was recorded on a field form. The last depth to groundwater measurement was recorded on June 28, 1999.

Copies of the field forms showing the recorded field data are presented in attachment 1. A summary of the field data is presented in Table 1. Bailed SPH, groundwater, and other waste materials from the four well bailing events are stored in 55-gallon drums on site. The stored SPH, groundwater, and other waste materials will be removed from the site by a licensed Sears contractor.

TABLE 1

Date	Static Depth to Product (feet)	Static Depth to Water (feet)	Product Thickness (feet)	Volume of Water and Product Bailed (Gallons)	Comments
May 11, 1999	12.52	12.52	sheen	15	Product sheen and strong odor observed. Rapid well recharge.
June 2, 1999	12.63	12.65	0.02	60	Rapid well recharge.
June 10, 1999	12.68	12.68	sheen	17	Product sheen observed. Rapid well recharge.
June 25, 1999	12.75	12.74	0.01	15	Rapid well recharge.

Bailing Data for Monitoring Well MW-3

To evaluate recharge rates, IT Corporation plotted the liquid levels in monitoring well MW-3 as a function of time during each bailing event. These data, which are presented in attachment 1 together with the recorded field data for each bailing event, indicate a rapid recharge rate for MW-3. The minimal amount of product thickness and recharge, as shown in Table 1, indicates that a small amount of SPH is associated with MW-3. Based on these data, IT Corporation recommends utilizing a vacuum truck to remove additional SPH and groundwater from MW-3 during four (4) weekly site visits, each consisting of a half-hour period of high-vacuum fluid extraction to determine if a measurable thickness of SPH recharges into well MW-3. If a measurable thickness of SPH is not found in the well during two consecutive quarterly monitoring and sampling events, low-risk classification and closure/no further action status will be requested for the site. However, alternative remediation methods will be recommended if a measurable thickness of SPH is recorded in MW-3 during the two consecutive quarters following the high-volume fluid extraction events.

If you have any questions or comments, please call Melissa Gossell at (925) 370-3990, extension 266.

Sincerely,
IT CORPORATION

Melissa Gossell
West Zone Project Manager

IT CORPORATION

David A. Bero, P.G.
Senior Geologist

Attachment 1

1. Field Data

c: Scott DeMuth, Sears, Roebuck and Co.
Russ Zora, Central Files, Lenexa, KS
Project Files

Project Name: Sears / #1058/Oakland, CA
Site Address: 2633 Telegraph Ave., Oakland
Project Number: 1176603.03054300

Date: 5-11-99
Page 1 of 1
Project Manager: Melissa Gossell

Well ID: MW3
Well Diameter: 2

DTW Measurements: @ 10:35
Initial: 12.52
Recharge: 12.70
DTB:
Calc Well Volume: gal
Well Volume: gal

Purge Method
Peristaltic
Gear Drive
Submersible

Pump Depth ft.
Hand Bailed K Stainless steel bailer
Air Lift
Other

Instruments Used
YSI: X
Hydac:
Omega:
Other:

Time	Temp ~~X~~ C / F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
10:46	19.8	0.78	6.70	5		NO PRODUCT ON BOTTOM OF WELL Heavy Sheen, DRK GREY STRONG ODOR.
10:56	19.6	0.75	6.69	10		↓
11:06	19.7	0.75	6.70	15		DRYING @ 15 GALLONS
						recharging quickly
						11:10 (13.00) DTW
						13:35 (12.70) DTW
						5/12/99 12.55 (DTW) 9:05 AM

FLUOR DANIEL GTI

ENGINEERING GRID

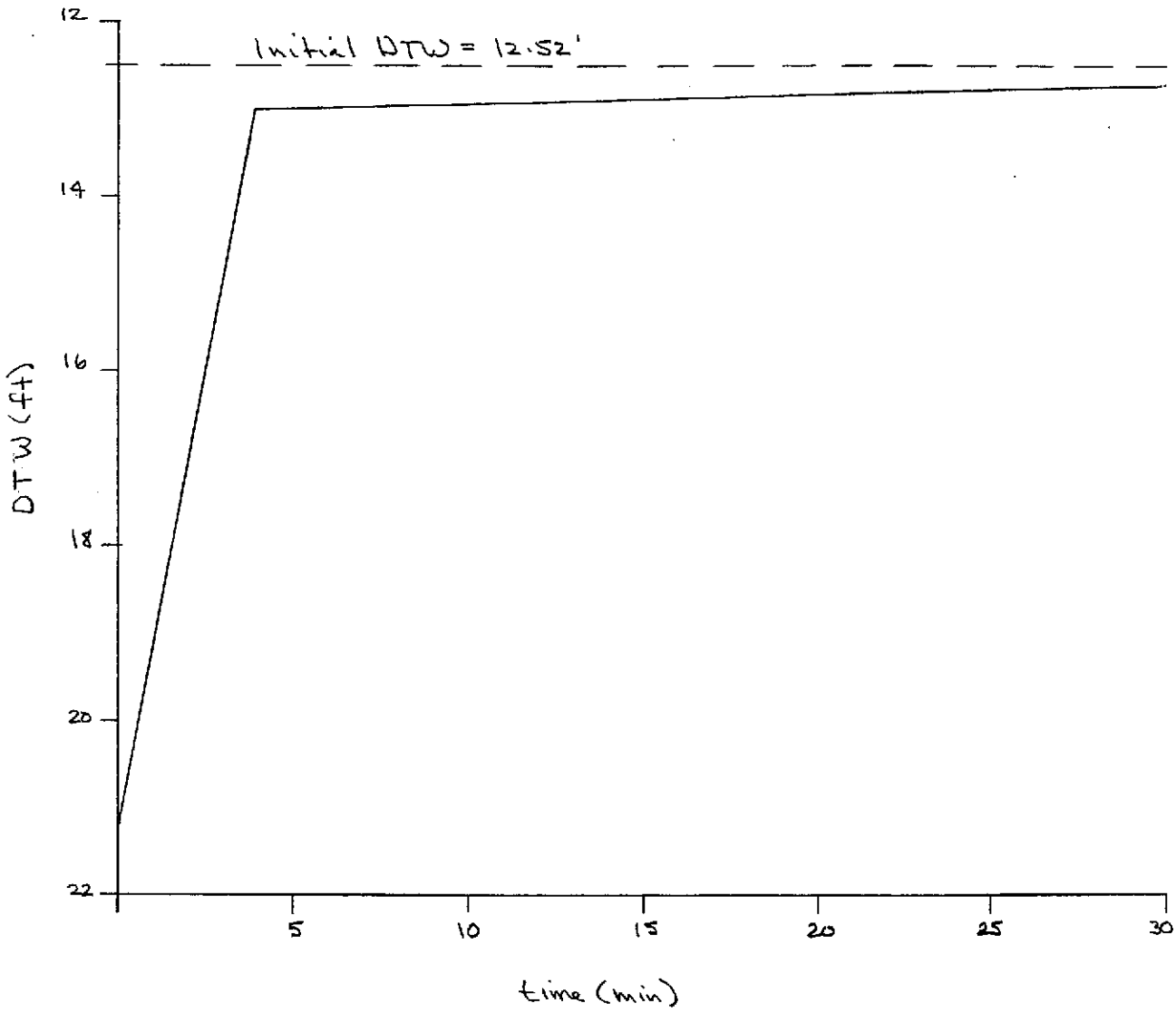
PROJECT Sears Oakland Site # 1058 PROJECT NUMBER

SUBJECT Well Recharge - MW-3 BY DATE

PAGE OF

CHECKED BY DATE 5-11-99

Initial DTW = 12.52'
DTP = 12.52'
PT = Sheen (strong odor)



FLUOR DANIEL GTI

ENGINEERING GRID

PROJECT SEARS OAKLAND #1058 PROJECT NUMBER 782807.04060700

SUBJECT MW-3 BAIL BY _____ DATE 6/2/99

PAGE _____ OF _____

CHECKED BY Hector Merino DATE ~~ARRIVE~~ @ 9:09 DEPART @ 10:5

DTW = 12.65 DTP = 12.63 PT = 0.02 @ 9.15 AM

STICKY PRODUCT ON PROBE, TOTAL DTB = 24.67

STICKY PRODUCT ON OUTSIDE OF DISPOSABLE BAILER

NO PRODUCT ON BOTTOM OF WELL.

START BAILING @ 9:20 AM

WELL NOT DRY after 25 GAL, @ 9:45 AM

USED 2" Pump @ FULL SPEED DRY @ (9:52) 35 GAL DTW 21.20

WATER IS DRK GREY, SHEEN, ODOR

IME	DTW
1:50	21.20
1:55	14.50
0:00	13.20
0:05	13.05
0:10	12.96
0:15	12.93
0:20	12.90

ETURN @ 15:20 pm on 6/2/99 DTW @ 15:30 = 12.72

FLUOR DANIEL GTI

ENGINEERING GRID

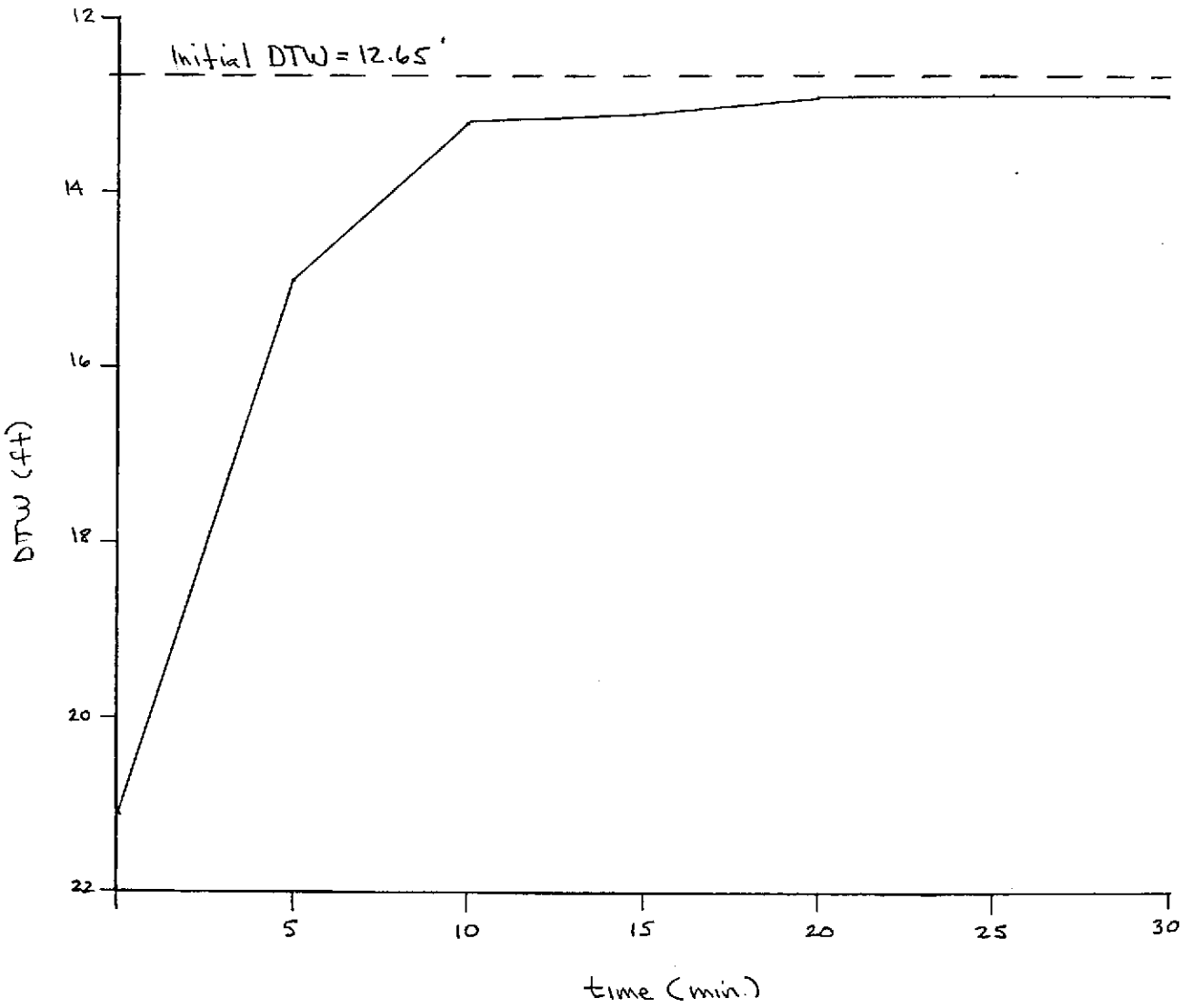
PROJECT Sears Oakland Site # 1058 PROJECT NUMBER

SUBJECT Well Recharge - MW-3 BY DATE

PAGE OF

CHECKED BY DATE 6.2.99

Initial DTW = 12.65'
DTP = 12.63'
PT = 0.02'



Project Name: SEARS, OAKLAND #1058 Date: 6-10-99

Site Address: _____ Page 1 of 1

Project Number: 782807.04060700 Project Manager: MELISSA GOSPER

Well ID: MW-3 DTW Measurements:

Well Diameter: 2" Initial: 12.68 Calc Well Volume: _____ gal

Recharge: _____ Well Volume: _____ gal

DTB: 24.67

Purge Method
Peristaltic_____
Gear Drive_____
Submersible 2"

Pump Depth_____ft.
Hand Bailed_____
Air Lift_____
Other_____

Instruments Used
YSI: _____ Other:_____
Hydac: _____
Omega:_____

Time	Temp C / F	Conductivity (mmhos/cm)	pH	Purge Volume Gallons	Turbidity	Comments
1035	19.6	1.82	6.84	5	CLOUDY	WATER IS GRAY W/ SHEEN ON SURFACE
1037	16.6	0.44	7.17	12	CLOUDY	
						DRY @ 17
TIME	DTW RECOVER	TIME	DTW			DTW RECOVER
1042	21.06	1113	12.83			21.06
1044	16.01	1118	12.81			16.01
1046	14.86	1632	12.69			14.86
1048	13.27					13.27
1050	13.10					13.10
1052	13.03					13.03
1054	12.98					12.98
1056	12.94					12.94
1058	12.92					12.92
1103	12.89					12.89
1108	12.85					12.85

NO PRODUCT DETECTED W/ I.P. OR BAILER HOWEVER A SHEEN WAS SEEN.

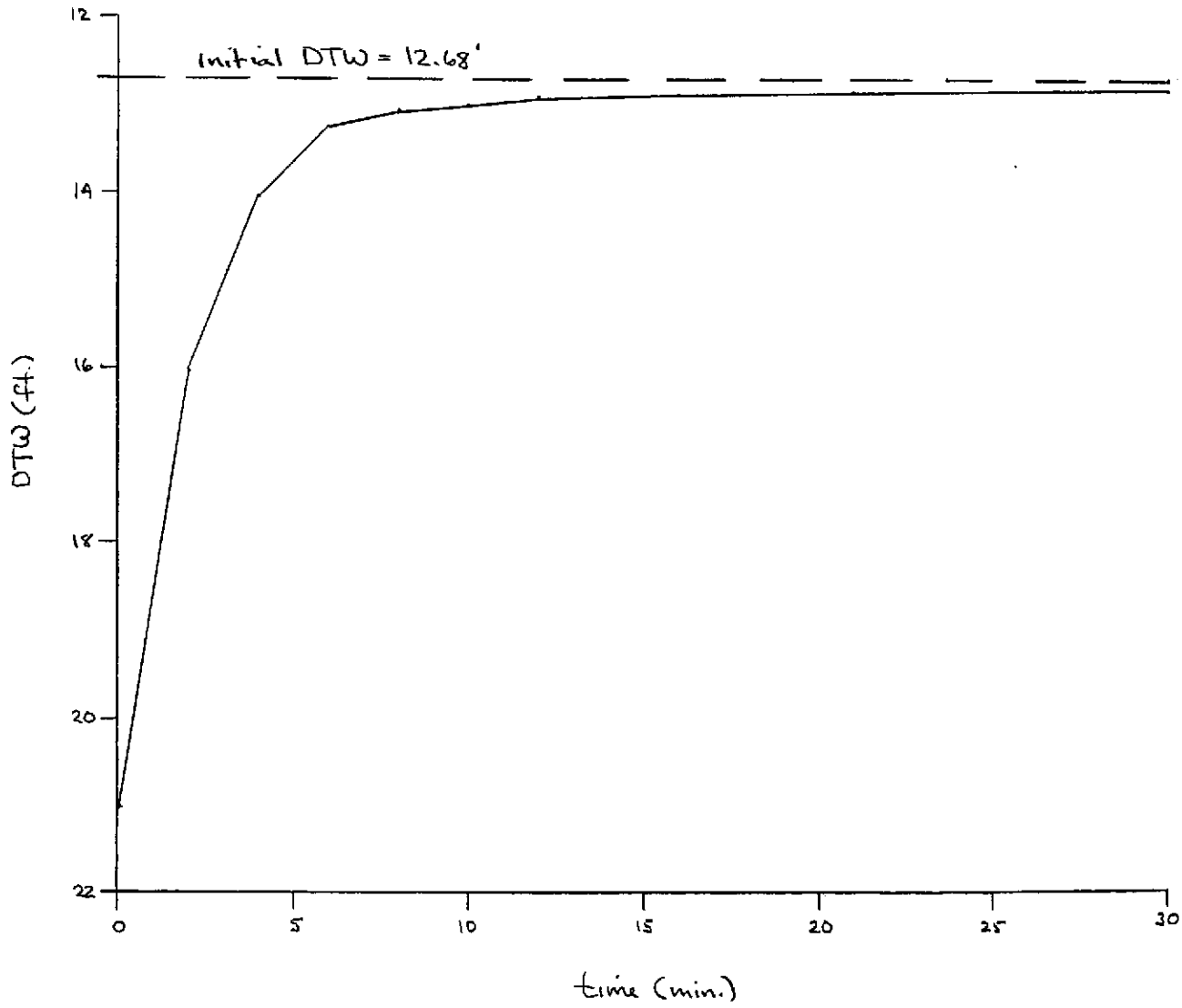
PROJECT Sears Oakland Site # 1058 PROJECT NUMBER

SUBJECT Well Recharge - MW-3 BY DATE

PAGE OF

CHECKED BY DATE 6-10-99

Initial DTW = 12.68'
DTP = Sheen @ 12.68'



FLUOR DANIEL GTI

ENGINEERING GRID

PROJECT SEARS/TELEGRAPH #1058 PROJECT NUMBER 782807.0406070C

SUBJECT MW-3 BY _____ DATE _____

PAGE _____ OF _____

CHECKED BY H Merino DATE 6/25/99

DTW	DTB	PT	TIME	Arrive	Depart
12.75	12.74	.01	9:40Am	9:30Am	11:30Am

DROPED STAINLESS STEEL BAILER TO BOTTOM OF WELL, NO PRODUCT DETECTED

USED DISPOSABLE BAILER to CONFIRM .01 PRODUCT, BROWN ~~Black~~ STICKY PRODUCT STUCK TO OUTSIDE OF BAILER, PUT SMALL AMOUT IN 40mL VOA FOR INSPECTION.

USED 2" PUMP TO EVACUATE WELL.

START PUMPING @ 10:15Am DRY @ 10:20 Am 15 GALLONS

TIME	DTW
10:20	20.15
10:30	13.32
10:40	13.00
10:50	12.92
11:00	12.88
11:10	12.89

6-28-99

DTW	DTP	PT	TIME
12.75	—	—	14:25PM

NO FREE Product detected, Small amount On tip of probe.

FLUOR DANIEL GTI

ENGINEERING GRID

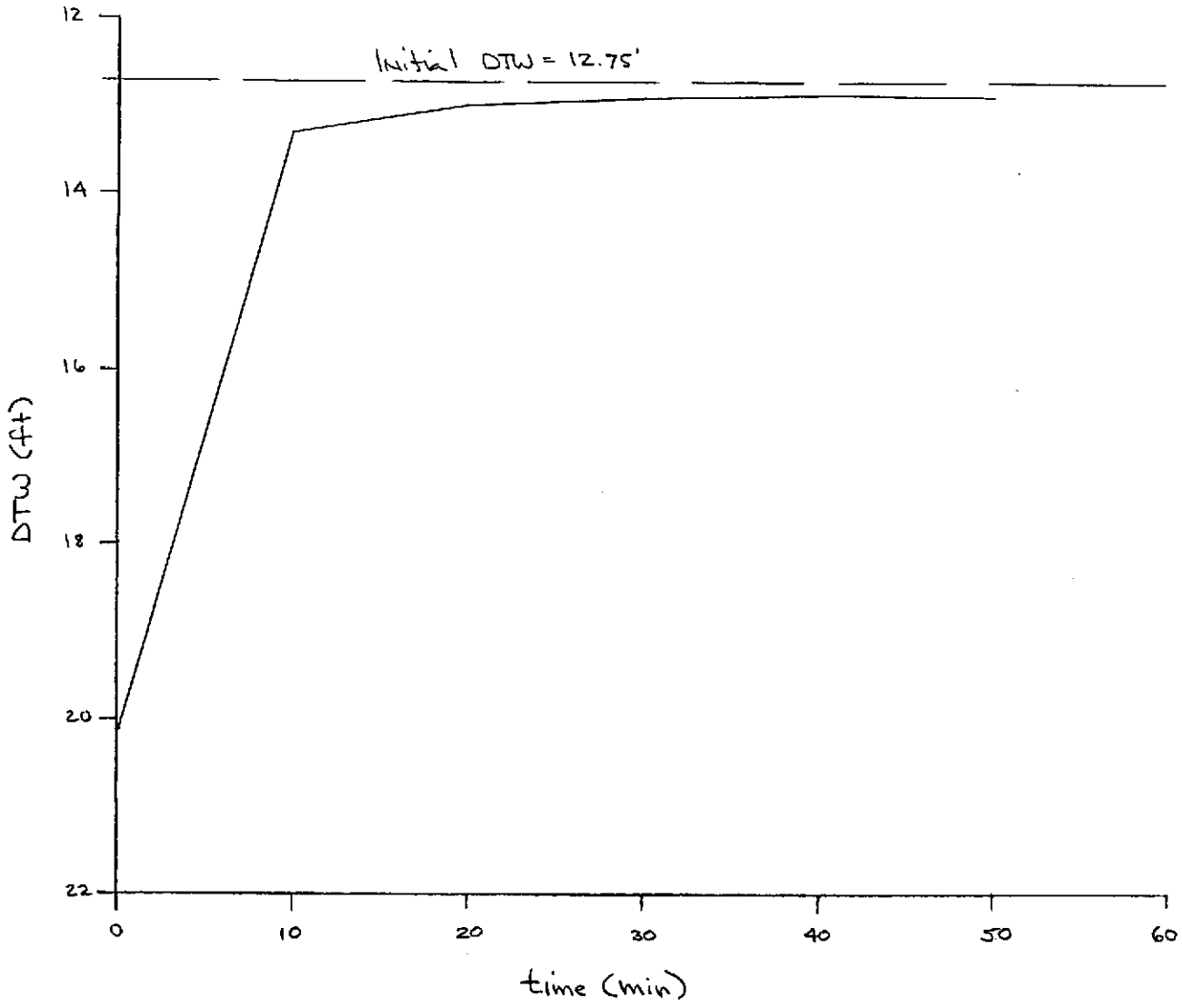
PROJECT Sears Oakland Site # 1058 PROJECT NUMBER _____

SUBJECT Well Recharge – MW-3 BY _____ DATE _____

_____ PAGE _____ OF _____

CHECKED BY _____ DATE 6.25.99

Initial DTW = 12.75'
DTP = 12.74'
PT = 0.01'



Note: On 6.28.99, no product detected in well