



October 26, 2000

Project No. 41-0302

Mr. Dave Dewitt
Tosco Distribution Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

RECEIVED
11:48 am, Apr 06, 2009
Alameda County
Environmental Health

SITE: TOSCO FACILITY NO. 5325
3220 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

RE: TANK CAVITY WELL INSTALLATION REPORT

Dear Mr. DeWitt:

TRC submits this report for activities conducted on September 28, 2000 at Tosco Facility No. 5325, located at 3220 Lakeshore Avenue, Oakland, California (Figure 1).

The tank cavity well installation began with the saw-cutting of a 2.5 foot x 2.5 foot concrete area where the tank cavity well (TW-1) was to be installed. Following the removal of the concrete debris, a 2-foot diameter conductor casing was advanced down into the pea gravel approximately 3 feet below grade (fbg).

Following the conductor casing advancement, 10 feet of 4-inch diameter schedule 40 polyvinyl chloride (PVC) slotted casing (0.020-inch slots) was advanced into the pea gravel inside of the conductor casing. This was accomplished by removing pea gravel by suction hose from the interior of the casing as it was advanced down into the tank cavity. A 4-inch diameter schedule 40 PVC blank was then attached, and the casing was advanced to a total depth of 13.5 fbg. A locking casing cap was used to seal the top of the tank cavity well casing. The 2-foot diameter conductor casing was then removed, and the small void remaining was filled with pea gravel. The tank cavity well was then completed to grade using a 12-inch traffic-rated well box set with concrete. Following installation, approximately 3,000 gallons of water was removed. The purge water was then transported to the Tosco Rodeo Refinery for disposal. Approximately one-eighth of a yard of pea gravel was generated from the tank cavity well installation. A tank cavity well installation diagram is presented in Figure 2.

If you have any questions regarding this report, please contact Tracy Walker at (925) 688-2476.

Sincerely,

Jeffrey S. Hunter
Staff Geologist

Attachments

Tracy L. Walker, RG
Associate

FILE #	255325	SS	X	BP
RPT	X	QM		TRANSMITTAL
1	2	3	X	4
				5
				6

FIGURES



LAKESHORE AVENUE

Former Underground Storage Tanks

U-6

U-D

Driveway

Driveway

U-5

U-2

U-C

TW-2

U-A

TW-1

U-1

Dispenser Islands

U-B

Commercial Building

Dispenser Island

U-3

Former Waste Oil Tank

U-4

Fence
Approximate Property Boundary

LAKE PARK AVENUE

Driveway





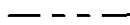



Driveway

Driveway

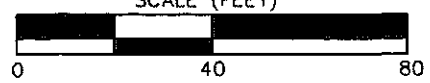
Driveway

Driveway

LEGEND

-  Groundwater monitoring well
-  TW-1 Tank cavity well installed by TRC on 9/28/00
-  TW-2 Tank cavity well installed by Gettler-Ryan
-  Soil boring
-  Property line
-  Former product line trench (1990)
-  Limit of 1990 excavation
-  Former product line trench (1996)

SCALE (FEET)



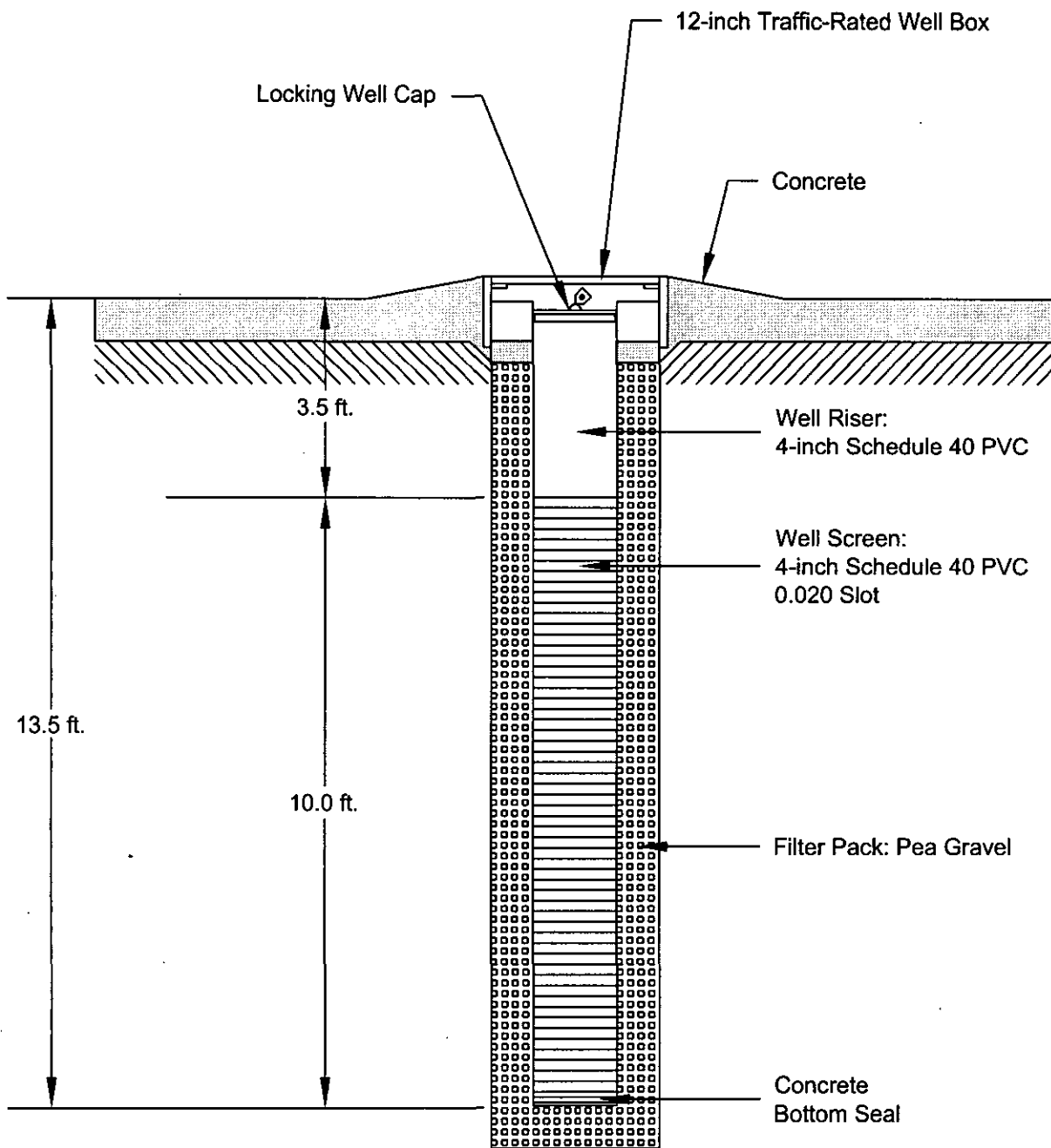
SOURCE: Gettler-Ryan Inc. Site Plan

SITE PLAN

Tosco (Unocal) Service Station 5325
3220 Lakeshore Avenue
Oakland, California

TRC

FIGURE 1



SCALE: NOT TO SCALE

**TANK CAVITY WELL TW-1
COMPLETION DIAGRAM**

Tosco (Unocal) Service Station 5325
3220 Lakeshore Avenue
Oakland, California

TRC

FIGURE 2