Figure 11. Cumulative Percent Passed

SOIL ASSOCIATION	DEPTH (inches)	DOMINANT TEXTURE	PERMEABILITY (inches per hour)	AVAILABILITY WATER CAPACITY (inches per inch of soil)	pH (Units)	SHRINK SWELL POTENTIAL
COLOSO	0-58	Silt clay loam	0.6-2.0	0.11-0.14	5.6-6.5	Moderate
DIQUE	0-60	Loam silt	0.6-2.0	0.14-0.16	5.6-6.0	Low
MANI	0-58	Clay	0.2-0.6	0.11-0.13	5.6-6.5	Moderate
TOA	0-60	Silt clay loam	0.6-2.0	0.12-0.14	6.1-7.6	Moderate

(Modified from Gierbolini, 1976)

Figure 12. Water Flow Frequency Distribution

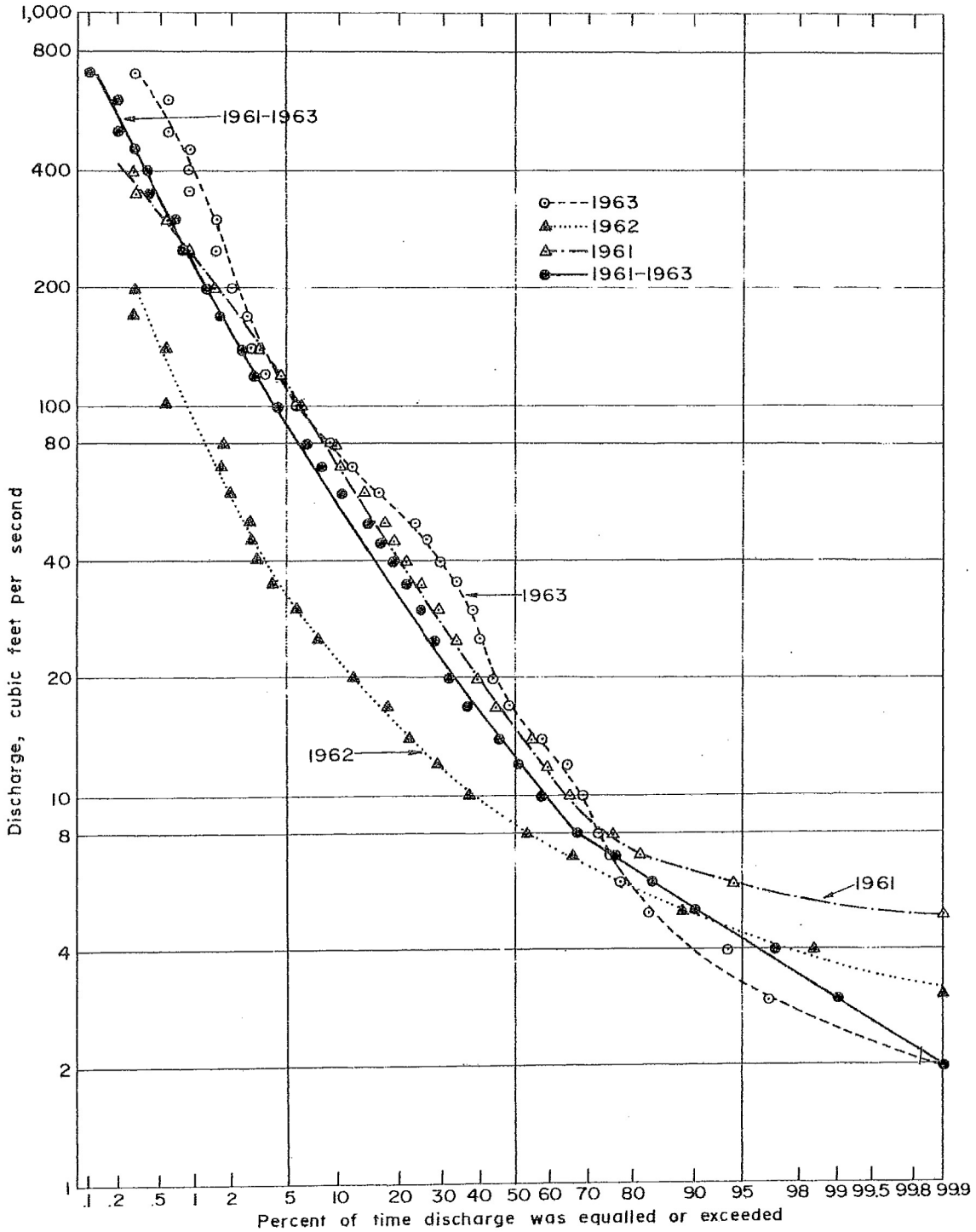

Figure 13. Water Quality Sample Río Rosario near Hormigueros

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USGS 180802067073300 HORMIGUEROS WELL, HORMIGUEROS, PR

Available data for this site Water-Quality: Field/Lab samples GO

Hormigueros Municipio, Puerto Rico
Hydrologic Unit Code 21010003
Latitude 18°08'02", Longitude 67°07'33"
NAD27
Land-surface elevation
31.0 feet above sea level NGVD29
The depth of the hole is 106.0 feet below land surface.

Output formats

- Parameter Group Period of Record table
- Inventory of available water-quality data for printing
- Inventory of water-quality data with retrieval
- Tab-separated data, one result per row
- Tab-separated data one sample per row with remark codes combined with values
- Tab-separated data one sample per row with tab-delimiter for remark codes
- Reselect output format

Sample Datetime	Time datum	Time datum reliability code	Sample Medium Code	Hydrogen ion, water, unfltrd calcd, mg/L (00191)	pH, water, unfltrd field, std units (00400)	Carbon dioxide water, unfltrd mg/L (00405)	Bicarbonate, wat unf fixed end pt, field, mg/L (00440)	Hardness, water, mg/L as CaCO3 (00900)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
1959-09-02	AST	T	WG	0.00005	7.3	31	388	380	43.0	22.0

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1.44 1.42 nadww01

Figure 14. Long- Term Geometric Mean Concentration of Fecal Coliform Bacteria Río Rosario near Highway

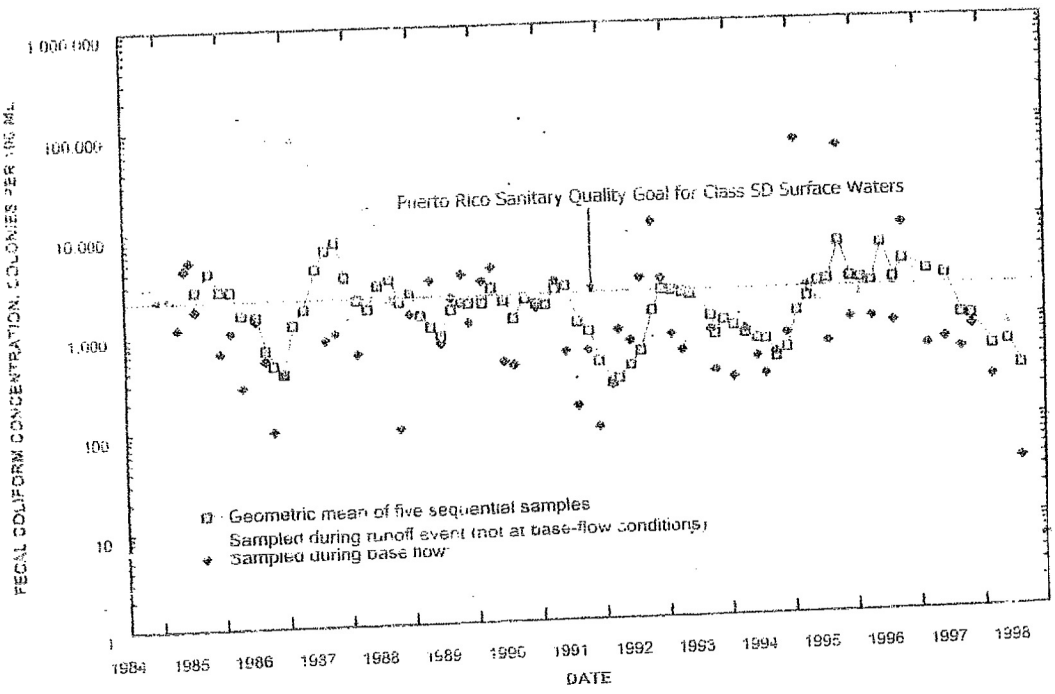


Figure Long-term geometric mean concentration of fecal coliform bacteria at Río . . near Highway PR- . (USGS station 50044000), October 1985 to August 1998. Note that the fecal coliform concentrations are presented in a logarithmic scale.

Figure 15. Ground Water Flow Direction at the Hormigueros Landfill Area

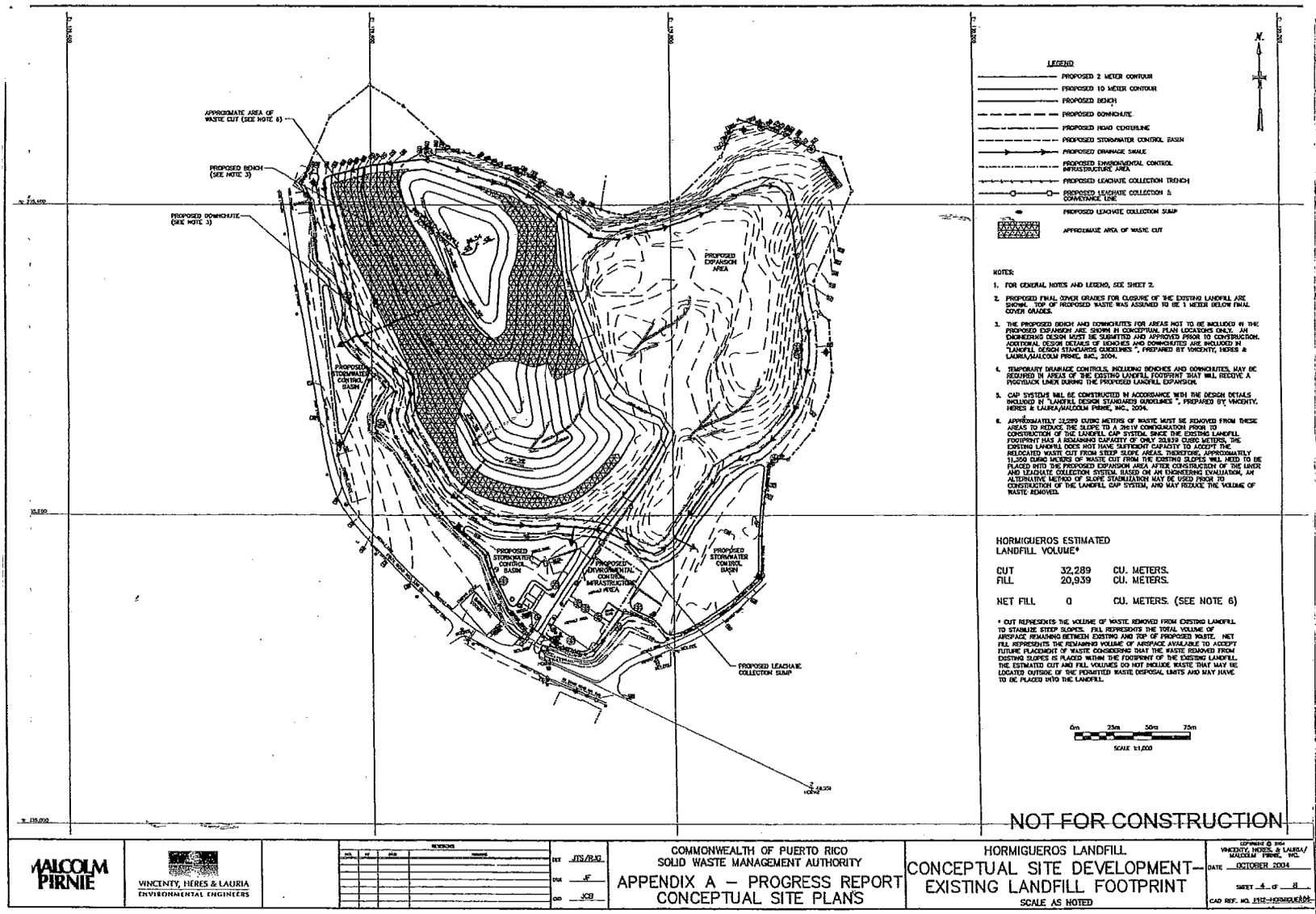


Figure 16. Typical Installation of Groundwater Monitoring Wells

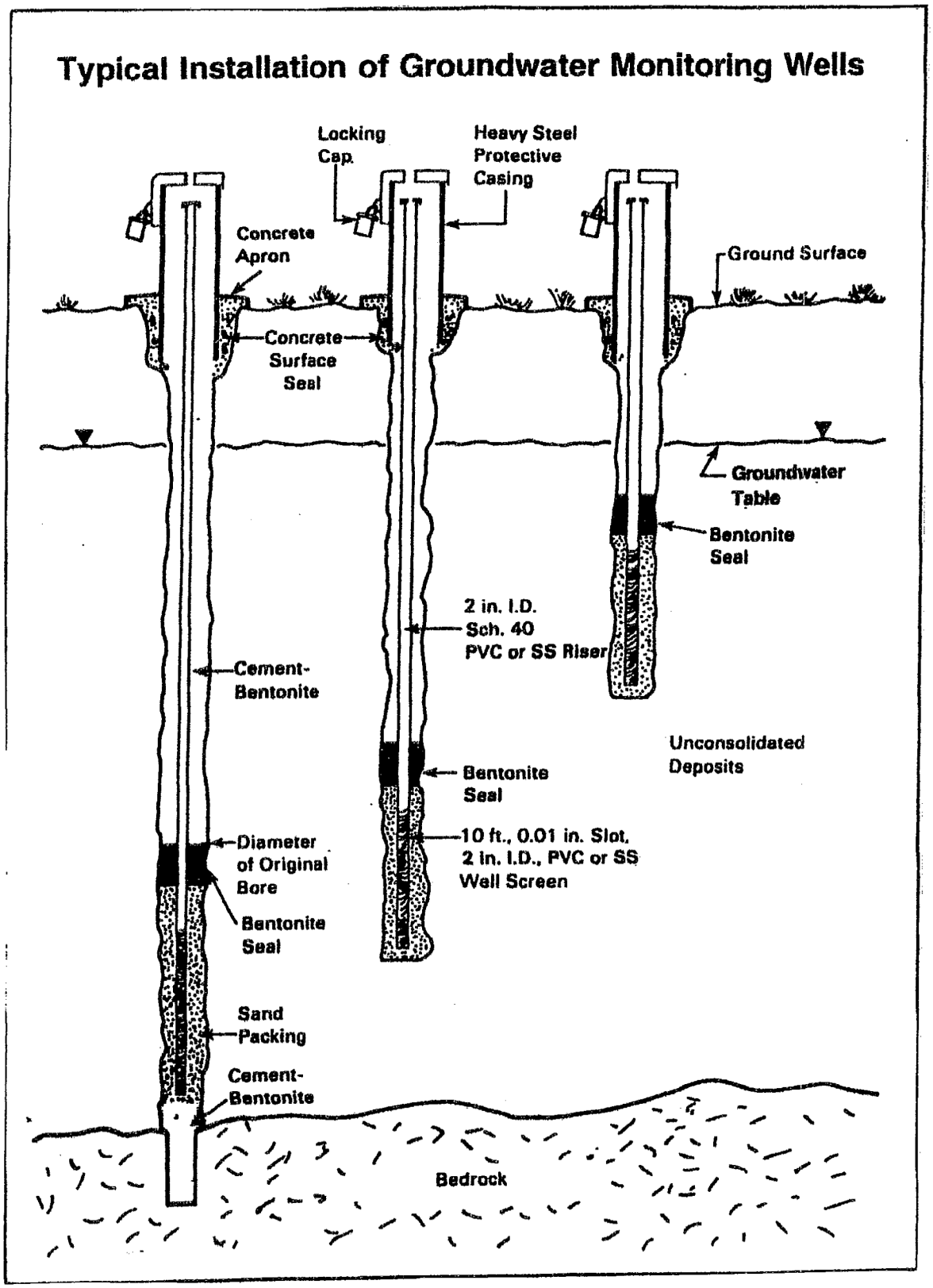
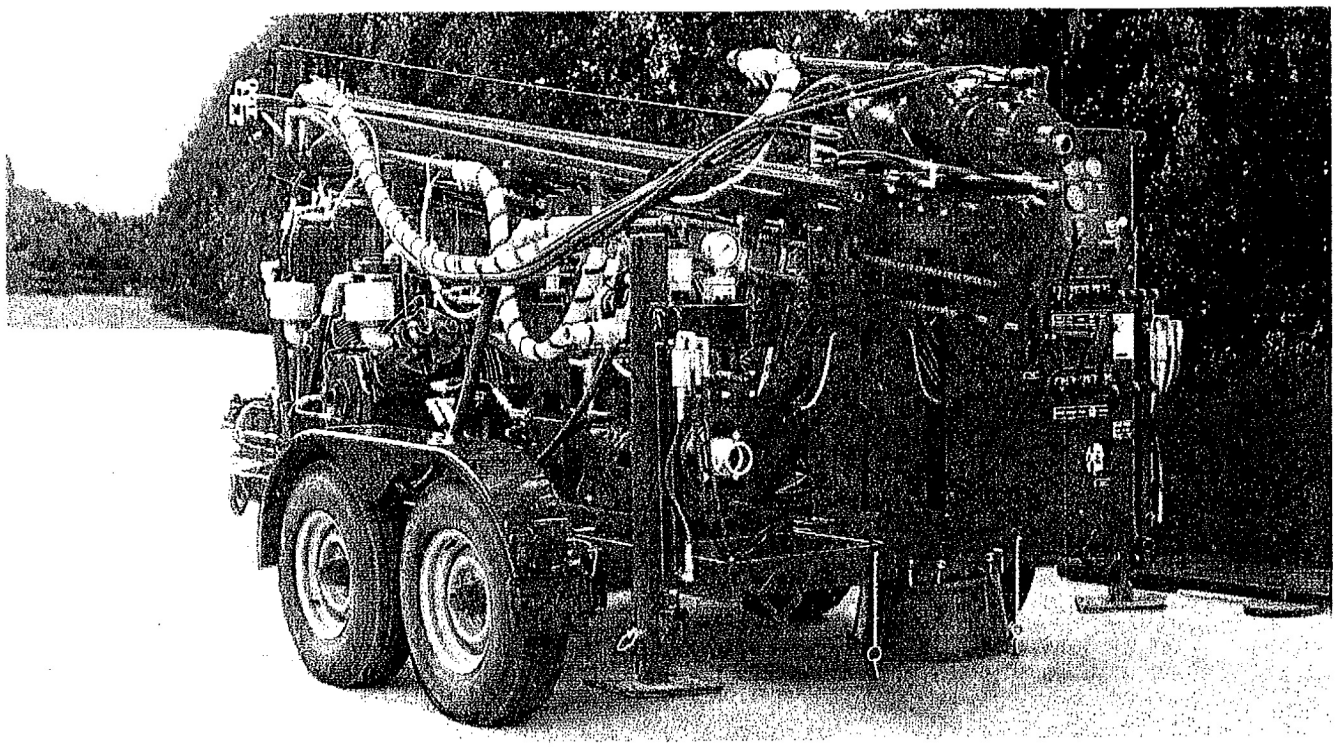


Figure 17. Monitoring Well Air Rotary Drilling



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