

APPENDIX 240-1

METHODS FOR ATTACHING WELL IDENTIFICATION TAG

MONITORING WELLS

Tags should be placed in an accessible and visible location.

For above ground completion wells:

Place tags at least 6 inches above ground level. Attach the tag to the outside of the protective casing.

The following methods are recommended by the Oregon Water Resources Department:

- A. Strap the tag to the well casing or access port. Stainless steel bands or large hose clamps designed for exterior use are recommended. Straps may be available at electrical, auto supply or construction supply stores. Ultra violet resistant nylon straps are also acceptable. Any band used should be designed for exterior applications.
- B. Rivet or bolt the tag to the well casing. Stainless steel rivets may be used.

For flush grade completion wells:

- B. Rivet or bolt the tag to the inside of the monument skirting.
- B. Band or strap the tag to the well casing.
- C. Insert the strap or band into the concrete in the bottom of the vault.

Regardless of which method is used, the identification label must be easily readable.

Other options may be used provided the installation is permanent and visible. Please contact the Water Resources Department for other options.

TABLE 240-1**WHICH SET OF STANDARDS APPLIES?**

The Department currently regulates the construction of borings through which ground water could become contaminated. The type of boring (and its purpose) will determine which set of regulations apply. Questions often arise as to how a certain boring is to be regulated. In general, if the purpose of a boring is to seek water then its considered a well. The table below lists common types of borings and which category they fall into. This is not a complete list of borings and there are other types of borings regulated by other agencies. Contact the Water Resources Department if there is a question as to what standard applies or what agency may need to be contacted.

The general standards and their Oregon Administrative Rule reference are:

Water Supply Wells	OAR 690-200 through 690-235
Monitoring Wells	OAR 690-240
Other Holes	OAR 690-240-0030
Geotechnical Holes	OAR 690-240-0035

Description of Boring	Standards that Apply
Air Sparging Hole	Geotechnical Hole
Aquifer Storage and Recovery Well	Water Supply Well
Cathodic Protection Hole	Geotechnical Hole
Community Well	Water Supply Well
Construction Hole	Other Hole
Dewatering Well	Water Supply Well
Domestic Well	Water Supply Well
Drive Point (Coring)	Geotechnical Hole
Drive Point Well (Dewatering)	Water Supply Well
Drive Point (Water Sampling)	Monitoring Well
Drive Point (Water Supply)	Water Supply Well
Dry (Disposal) Well	Other Hole
Elevator Shaft	Other Hole
Extraction Well	Monitoring Well
Fence Post Hole	Other Hole
Gas Migration Hole	Geotechnical Hole
Geothermal Well	Water Supply Well
Gravel Pit	Other Hole
Heat Exchange Hole (Closed Loop)	Geotechnical Hole
Heat Exchange Hole (Open Loop)	Water Supply Well
Horizontal Drain (Slope Stability)	Geotechnical Hole
Horizontal Well (Monitoring)	Monitoring Well

Horizontal Well (Water Supply)	Water Supply Well
Hydrologic Data Hole	Geotechnical Hole
Inclinometer	Geotechnical Hole
Industrial Well	Water Supply Well
Injection Well (Water)	Water Supply Well
Irrigation Well	Water Supply Well
Monitoring Well (>72 Hours)	Monitoring Well
Municipal Well	Water Supply Well
Observation Hole	Monitoring Well
Permeability Test Hole	Geotechnical Hole
Piezometer (Electric)	Geotechnical Hole
Piezometer (Pneumatic)	Geotechnical Hole
Piezometer Well	Monitoring Well
Piling Hole	Other Hole
Post Hole	Other Hole
Power Pole Hole	Other Hole
Public Supply Well	Water Supply Well
Remediation Or Recovery Well	Monitoring Well/Water Supply Well
Rock Boring (<10 Feet)	Other Hole
Rock Boring (>10 Feet)	Geotechnical Hole
Seismic Shot Hole	Geotechnical Hole
Slope Stability Hole	Geotechnical Hole
Soil Boring (<10 Feet)	Other Hole
Soil Boring (>10 Feet)	Geotechnical Hole
Soil Vapor Hole	Geotechnical Hole
Sparging Hole	Geotechnical Hole
Storm Water Disposal	Other Hole
Sump	Other Hole (if < 10 ft. deep and > 10 ft. dia.)
Temporary Monitoring Well (<72 Hours)	Geotechnical Hole
Trench	Other Hole
Underground Storage Tank (Ust) Pit	Other Hole
Vapor Extraction Hole	Geotechnical Hole
Wetland Delineation Hole	Other Hole

**TABLE 240-2
(OAR 690-240)**

Region Office Fax and Telephone Numbers

<u>Region</u>	<u>Office Location</u>	<u>Fax Number</u>	<u>Telephone Number</u>
Eastern	Baker City	(866) 214-3493	(541) 523-8224
North Central	Pendleton	(541) 278-0287	(541) 278-5456
Northwest	Salem	(503) 378-6203	(503) 378-8455
South	Central Bend	(541) 388-5101	(541) 388-6669
Southwest	Grants Pass	(541) 471-2876	(541) 471-2886

Notes:

1. Telephone and fax numbers are subject to change.
2. A current version of this table is available from the Water Resources Department's Salem office.
3. See Figure 240-2 for a map of region boundaries.

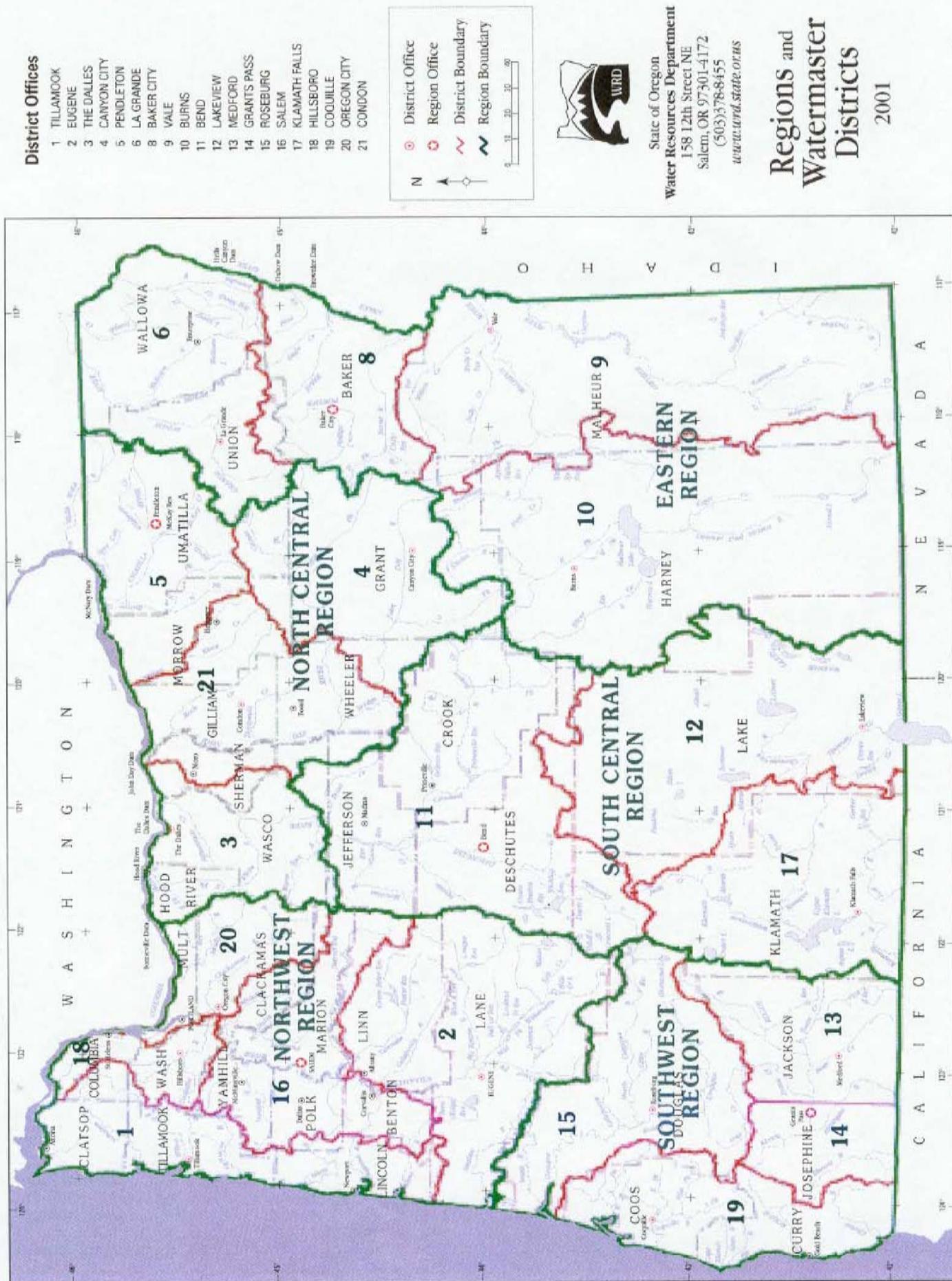
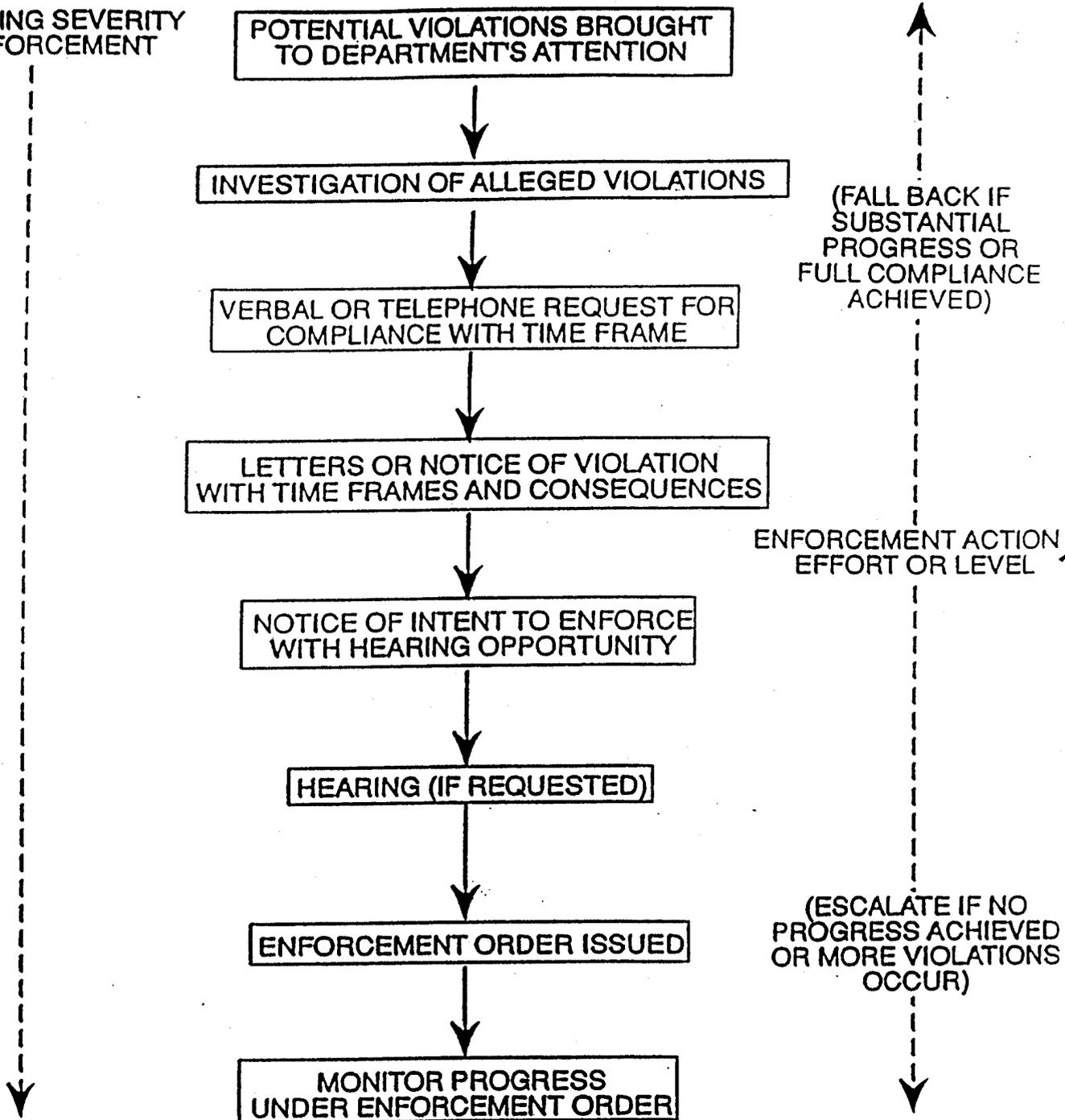


TABLE 240-3

MINOR WELL CONSTRUCTION VIOLATIONS

<u>Oregon Statute Reference</u>	<u>Value Assignment</u>	<u>Title</u>
ORS 537.762	Minor	REPORT OF COMMENCEMENT OF CONSTRUCTION
ORS 537.765	Minor	WELL REPORT
ORS 537.789	Minor	WELL IDENTIFICATION NUMBER
<u>Administrative Rule Reference</u>	<u>Value Assignment</u>	<u>Title</u>
690-240-0024	Minor	WELL IDENTIFICATION LABEL
690-240-0026	Minor	WELL IDENTIFICATION LABEL MAINTENANCE
690-240-0355	Minor	MONITORING WELL DRILLING MACHINES
690-240-0375	Minor	MONITORING WELL CONSTRUCTION NOTICE REQUIRED (START CARD)
690-240-0395	Minor	MONITORING WELL REPORT REQUIRED (WELL LOG)
690-240-0395(7)(i)	Minor	WATER TEMPERATURE
690-240-0410(4)	Minor	MONITORING WELL CONSTRUCTION (START CARD NUMBER)

INCREASING SEVERITY
OF ENFORCEMENT



It is desirable to achieve compliance at the lowest possible level of enforcement. Escalation of enforcement can be expected if compliance does not result at the next lower level. Reduction of enforcement effort can be expected if substantial progress towards compliance is achieved.

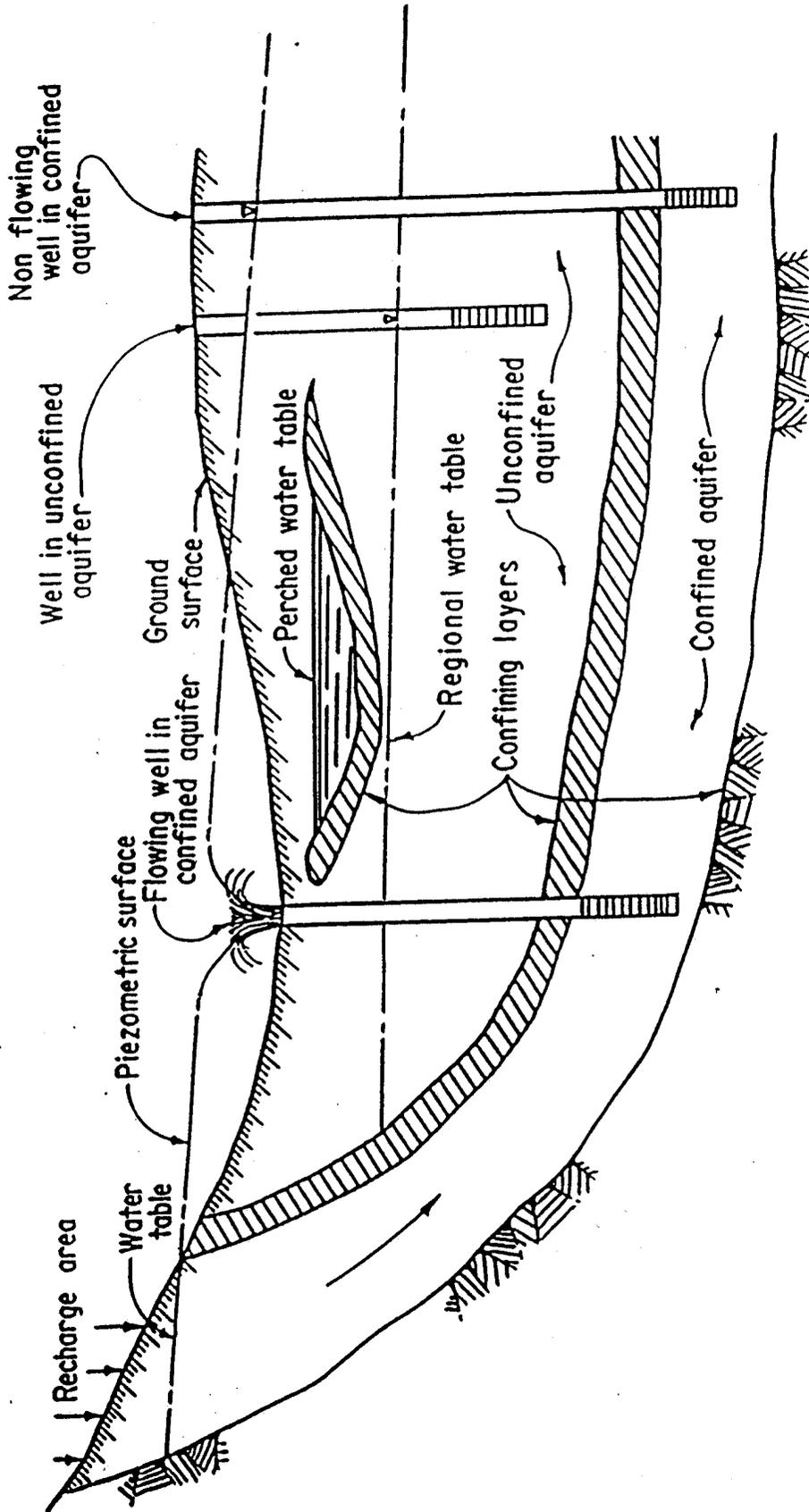


FIGURE 1-2.—Types of aquifers. 103-D-1401.