

**STATE OF OREGON
GEOTECHNICAL HOLE REPORT**

(as required by OAR 690-240-0035)

(1) OWNER/PROJECT: Hole Number _____
 Name _____
 Address _____
 City _____ State _____ Zip _____

(2) TYPE OF WORK
 New Deepening Alteration (repair/recondition) Abandonment

(3) CONSTRUCTION METHOD:
 Rotary Air Hand Auger Hollow Stem Auger
 Rotary Mud Cable Tool Push Probe Other _____

(4) TYPE OF HOLE:
 Uncased Temporary Cased Temporary
 Uncased Permanent Slope Stability Other _____

(5) USE OF HOLE: _____

(6) BORE HOLE CONSTRUCTION:
 Special Standard Yes (attach copy) Depth of Completed Hole _____ ft.

HOLE			SEAL				Amount	Sacks or lbs
Diameter	From	To	Material	From	To			

Backfill placed from _____ ft. to _____ ft. Material _____
 Filter Pack placed from _____ ft. to _____ ft. Material _____ Size _____

(7) CASING/SCREEN:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Screen:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Slot Size _____

(8) WELL TEST:
 Pump Bailer Air Flowing/Artesian
 Permeability _____ Yield _____ GPM _____
 Conductivity _____ PH _____
 Temperature of water _____ °F/C Depth artesian flow found _____ ft.
 Water analysis done? Yes No
 By whom? _____
 Depth of strata analyzed. From _____ ft. to _____ ft.
 Remarks: _____

(9) LOCATION OF HOLE (legal description)
 County _____ Twp _____ N or S Range _____ E or W W.M.
 Sec _____ 1/4 of the _____ 1/4 Tax Lot _____
 Tax Map Number _____ Lot _____
 Lat _____ ° _____ ' _____ " or _____ DMS or DD
 Long _____ ° _____ ' _____ " or _____ DMS or DD
 Street Address of Well (or nearest address) _____

Map with location identified must be attached

(10) STATIC WATER LEVEL:
 _____ ft. below land surface. Date _____
 Artesian pressure _____ lb. per square inch. Date _____

(11) SUBSURFACE LOG:
 Ground Elevation _____

Material Description	From	To	SWL

Date Started _____ Date Completed _____

(12) ABANDONMENT LOG:

Material Description	From	To	Sacks or Pounds

Date Started _____ Date Completed _____

Professional Certification
 (to be signed by a licensed water supply or monitoring well constructor, or Oregon registered geologist or professional engineer).
 I accept responsibility for the construction, alteration, or abandonment work performed during the construction dates reported above. All work performed during this time is in compliance with Oregon's geotechnical hole construction standards. This report is true to the best of my knowledge and belief.
 License or Registration Number _____
 Signed _____ Date _____
 Affiliation _____

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

INSTRUCTIONS FOR COMPLETING THE GEOTECHNICAL HOLE REPORT

- (1) **Landowner:** Enter the landowner's name and address.
- (2) **Type of Work:** Check all that apply.
- (3) **Construction Method:** Check the appropriate box to indicate the drill method used.
- (4) **Type of Hole:** Check the type of geotechnical hole (descriptions of each are listed in OAR 690-240-0035).
- (5) **Use of Hole:** Describe the intended use of the hole.
- (6) **Bore Hole Construction:**
 - Indicate if special construction standards were used and attach copy.
 - Indicate depth of completed hole.
 - Describe each change in borehole size or construction.
 - Describe seal material (i.e. 3/8 bentonite chips, neat cement grout, cement grout w/5% bentonite, concrete), where placed, and amount used in sacks or pounds.
 - If backfill was used, indicate location and material (i.e. concrete, cement).
 - If filter pack was used, indicate location, material (i.e. pea gravel, sand), and material size.
- (7) **Casing/Screen:** Describe type of casing and screen and location of each.
- (8) **Well Test:** Indicate type of well test conducted (bailer, air, or pump), yield, and duration, if applicable. Indicate water temperature. If applicable, indicate location of artesian flow. Indicate if a water analysis was performed and who performed the test.
- (9) **Location of Hole:** Indicate the legal description of the hole (County, Township, Range, Section, Tax Lot number, ¼ ¼ or latitude and longitude, and street address of the hole or nearest address). If Global Positioning System (GPS) equipment is used, report latitude and longitude in degrees, minutes, and seconds (at least one digit to right of decimal) or decimal degrees (five digits to right of decimal).
- (10) **Static Water Level (swl):** Indicate date reading was taken. If flowing, indicate swl in pounds per square inch (psi), note if swl was taken above land surface, otherwise, indicate location of swl in feet below land surface. Note if well is flowing artesian.
- (11) **Subsurface Log:** Describe each change of formation (color, texture, grain size, and structure of material). Indicate the thickness of each stratum encountered. There should be at least one entry for each change of formation. Indicate the date construction started and the date construction was completed.
- (12) **Abandonment Log:** Describe the materials, location, and methods used to abandon the hole. Indicate the date abandonment was started and the date abandonment was completed.

The individual taking responsibility for the geotechnical hole must sign the Professional Certification portion of the form. Note the appropriate license or registration number.

Map: A map, including an approximate scale and a north arrow, showing the location of the geotechnical hole on site must be attached to this report.