

MONITORING WELL / PIEZOMETER CONSTRUCTION DOCUMENTATION FORM

Disposal Site Name: _____ Permit No.: _____
Well/Piezometer No.: _____ Date Started: _____ Date Completed: _____
Applicable Requirements¹: ☐ 567 IAC 113 ☐ 567 IAC 115 ☐ Site Permit
☐ 567 IAC 114 ☐ 567 IAC 139 ☐ Other: _____

A. SURVEYED LOCATION² AND ELEVATION OF POINT

Elevations (MSL): Ground Surface: _____ Top of Protective Casing: _____
Top of Well Casing: _____
Site Coordinates: Northing: _____ Easting: _____
World Coordinates: Latitude: _____ Longitude: _____
Elevation and Coordinate Systems: _____

B. SOIL BORING INFORMATION

Certified Well Contractor _____
Address _____ City, State, Zip Code _____
Name of driller _____ Cert No. _____
Drilling method _____ Drilling fluid _____ Bore hole diameter _____
Soil sampling method _____ Depth of boring _____

C. MONITORING WELL INSTALLATION

Casing material: _____	Placement method: _____
Length of casing: _____	Quantity: _____
Casing diameter: _____	Backfill (if different from seal): _____
Casing joint type: _____	Material: _____
Casing/screen joint type: _____	Placement method: _____
Screen material: _____	Quantity: _____
Screen opening size: _____	Surface seal design: _____
Screen length: _____	Material of protective casing: _____
Depth of Well: _____	Material of grout between protective casing and well casing: _____
Filter Pack: _____	Protective cap: _____
Material: _____	Material: _____
Grain Size: _____	Vented?: <input type="checkbox"/> Y <input type="checkbox"/> N Locking?: <input type="checkbox"/> Y <input type="checkbox"/> N
Quantity: _____	Well cap: _____
Seal (minimum 3 ft. length above filter pack): _____	Material: _____
Material: _____	Vented?: <input type="checkbox"/> Y <input type="checkbox"/> N

D. GROUNDWATER MEASUREMENT (± 0.01 foot below top of inner well casing)

Water level _____ Stabilization time _____
Well development method _____
Average depth of frost line _____

¹ Refer to the site's permit to determine applicable requirements. Note that some sites may only be regulated by their permit versus current landfill chapters. If the permit and rule are silent regarding applicable requirements, then 567 IAC Chapter 39 shall apply, which requires use of the Well Log (Well Record) Form, not this form. If the applicable requirements have been modified and approved by the DNR, then note under Other.

² The location does not need to be surveyed by a licensed surveyor. A handheld GPS reading accurate to +/- 30 feet is acceptable when an aerial photograph showing the location (pin) is included with this form. The site coordinates should be the same coordinate system currently used for survey control and mapping of the site.

DRILLER'S CERTIFICATION

I certify under penalty of law I believe the information reported above is true, accurate, and complete.

Signature _____ **Certification #** _____ **Date** _____

Note: Attach well log, boring log, and map showing new monitoring well/piezometer location in relation to existing wells or piezometers.

Complete one form for each well plugged and submit within 30 days to the local county agent, DNR project officer, and Erik Day with the DNR's Water Supply Section at erik.day@dnr.iowa.gov. DNR prefers that the forms be completed and submitted electronically.

Well and Boring Logs

Elevations: ± 0.01 ft. MSL

Depths: ± 0.1 ft from Ground Surface

Top of protective casing (TOP)

Elevation C

Top of Well Casing (TOC)

Elevation B

Ground surface (GS)

Elevation A

Depth Use 0

Top of backfill

Base of concrete plug and
bentonite grout

Elevation A-W

Depth W

Base of Protective Casing

Elevation C-A =

Depth PC-C-A =

Base of Backfill, Top of Seal

Elevation A-X =

Depth X

Top of Filter Pack, Base of Seal

Elevation A-Y =

Depth Y

Top of Screen (TOS)

Elevation B-TD-S-WP =

Depth A-TOS^{elev} =

Bottom of Screen (BOS)

Elevation B-TD-WP =

Depth A-BOS^{elev} =

Bottom of Well

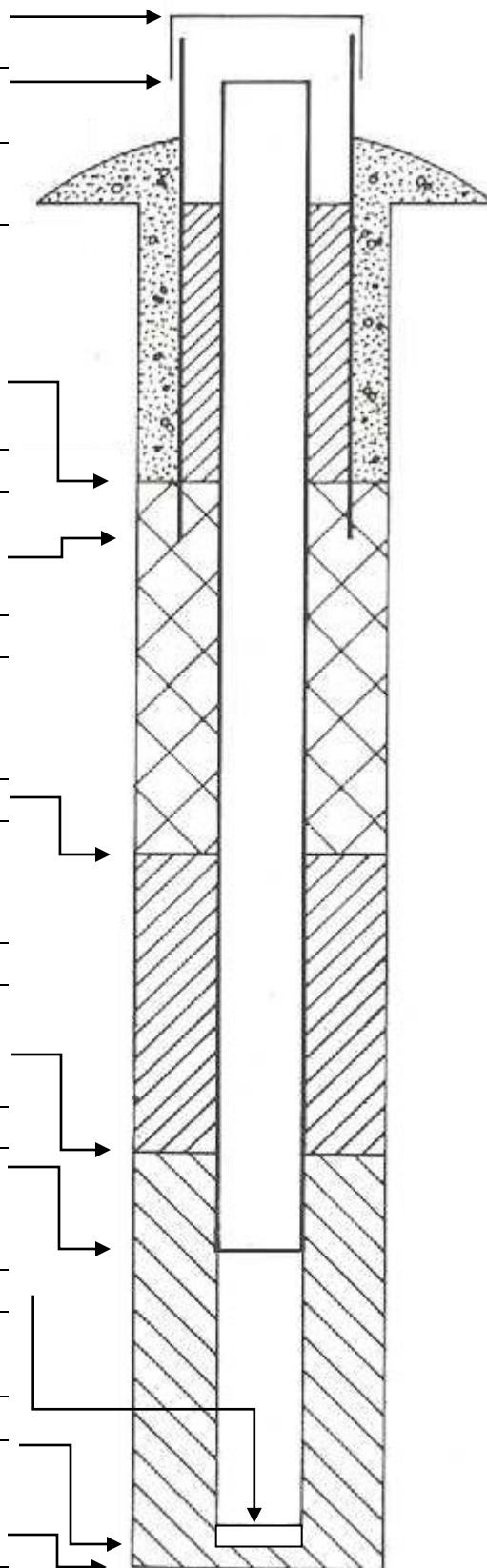
Elevation _____

Depth _____

Bottom of Filter Pack

Elevation A-Z =

Depth Z



Required Data:

- Elevations for A, B, and C shall be surveyed.
- Depths for W, X, Y, and Z shall be field measured following completion of each item.
- Lengths of the Protective Casing (PC), Screen (S), and Well Point (WP) shall be field measured prior to installation of each item.
- The total Depth (TD) from the Top of Well Casing to the Bottom of Well Point shall be field measured following installation.

PC: _____

S: _____

WP: _____

TD: _____