Appendix 2.

Well-Construction Diagrams
Well SPMW1

Protective steel surface casing
-2.9 to 2.1 ft

2-inch-diameter Schedule 40 PVC riser
-2.7 to 33.3 ft

Ground surface
Concrete surface seal and pad
0–1.5 ft

Depth to water on 6/2/2013
7.6 ft

Annular seal:
cement-bentonite grout 1.5–15 ft
bentonite 15–30.3 ft

2-inch-diameter Schedule 40 PVC
0.01-inch slot screen
33.3–43.1 ft

10–20 mesh silica sand pack
30.3–48.6 ft

2-inch-diameter Schedule 40 PVC
sump and end cap
43.1–48.6 ft

Bentonite 48.6–201.7 ft

Total well depth: 48.6 ft
Total borehole depth: 201.7 ft
Nominal borehole diameter:
10 in. from 0 to 30 ft
6 in. from 30 to 201.7 ft

[ft, feet; PVC, polyvinyl chloride]
Well SPMW2

Protective steel surface casing
-2.9 to 2.1 ft

Ground surface
Concrete surface seal and pad
-0.3 to 1.3 ft

2-inch-diameter Schedule 40 PVC riser
-2.5 to 3.6 ft

Bentonite 1.3–3 ft

Depth to water on 6/2/2013
3.1 ft

2-inch-diameter Schedule 40 PVC
0.01-inch slot screen
3.6–8.4 ft

10–20 mesh silica sand pack
3–8.9 ft

2-inch-diameter Schedule 40 PVC well point
8.4–8.9 ft

Total well depth: 8.9 ft
Total borehole depth: 8.9 ft
Nominal borehole diameter: 8 in.
Well SPMW3

Protective steel surface casing
-3 to 2 ft

Ground surface

Concrete surface seal and pad
-0.3 to 1 ft

2-inch-diameter Schedule 40 PVC riser
-2.6 to 8.7 ft

Depth to water on 6/2/2013
2.9 ft

Bentonite 1–6.5 ft

2-inch-diameter Schedule 40 PVC
0.01-inch slot screen
8.7–18.5 ft

10–20 mesh silica sand pack
6.5–19 ft

2-inch-diameter Schedule 40 PVC well point
18.5–19 ft

Total well depth: 19.0 ft
Total borehole depth: 19.0 ft
Nominal borehole diameter: 8 in.
Well SPMW4

Protective steel surface casing
-3 to 2 ft

Ground surface
Concrete surface seal and pad
-0.3 to 1 ft

Depth to water on 6/3/2013
2.8 ft

Bentonite 1–10.6 ft

2-inch-diameter Schedule 40 PVC riser
-2.6 to 10.7 ft

2-inch-diameter Schedule 40 PVC
0.01-inch slot screen
10.7–15.5 ft

10–20 mesh silica sand pack
10.6–17 ft

2-inch-diameter Schedule 40 PVC well point
15.5–16 ft

Total well depth: 16.0 ft
Total borehole depth: 17.0 ft
Nominal borehole diameter: 8 in.