

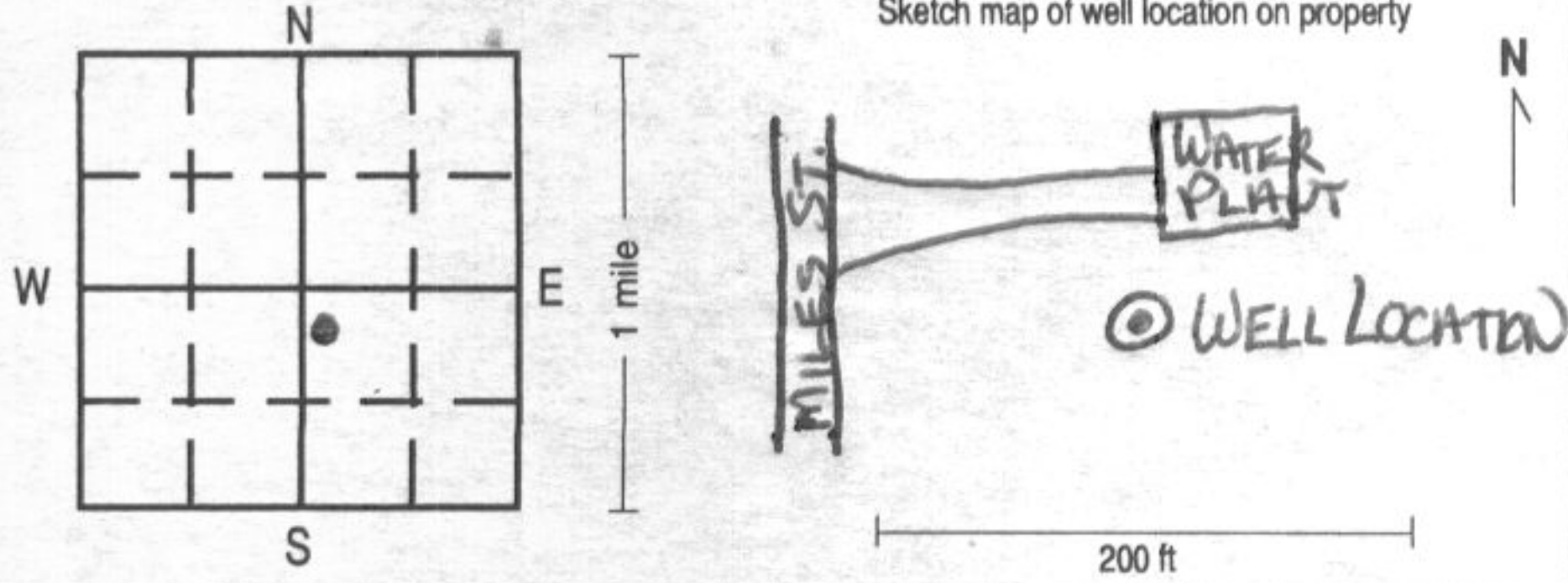
Site identification
 Property Owner CITY OF FREMONT Well Number 97-1
 Address 215 E. MAIN, FREMONT, IA 52561
 Tenant CITY OF FREMONT
 Well Depth 75 ft Date Completed 08 / 27 / 97

Drill method rotary auger cable other _____
Hole size
24 inch from 0 ft to 77 ft hole size continued _____ inch from _____ ft to _____ ft
 _____ inch from _____ ft to _____ ft _____ inch from _____ ft to _____ ft
 Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Location County MAHASKA
1/8 mi. ^N and _____ mi. ^E of intersection of HWY 63 and MILES ST.
NW 1/4 of the NW 1/4 of the SE 1/4 of Sec 14 TWP 7A RNG 14 ^E _W
 Show exact location of well in section grid with a dot (•).

Casing Drive shoe (yes / no) Pitless adaptor (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
8" I.O.D.	0.322"	5'	69'	64'



Perforated or slotted casing? (yes no
 Perforated / slotted from _____ ft to _____ ft
 Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes no
 Type SAND/CEMENT Depth Top 6' Depth Bottom 64' Amount 6 yds.

upland hillside valley Elevation (if known) _____

Well screen? (yes no
 Diameter 8" Slot size 0.090" Depth Top 69' Depth Bottom 75' Length 6' Material SST.
 Bottom capped (yes no with SST. PLATE
 Seals / Packers (yes no kind BENTONITE depth 64'-66' ft
 Gravel packed (yes no from 66 ft to 77 ft
 type NORTHERN #3 amount 6 TONS

Formation log

From	To	Color	Hardness	Formation description
0	3'	Black		TOP SOIL
3'	6'	Brown		CLAY
6'	23'	Gray		CLAY
23'	45'	Brown		CLAY W/GRAVEL + ROCKS
45'	68'	Gray		CLAY W/SANDSTONE
68'	74.5'	Gray		SAND + GRAVEL
74.5'	77'	Gray		CLAY

use additional sheets as needed

Well developed? (yes no
 Explain SURGE BLOCK/BAILER, SURGE PUMPING, PHOSPHATE TREATMENT

Pump installed? (yes no Date 08 / 27 / 97
 Installer's name DAVE DEEVER
 Type of pump SUBMERSIBLE Depth to intake 68 ft
 Pump diameter 6" Rated capacity 80 GPM

Water information Aquifer: sand/gravel limestone sandstone
 Main water-supply zone from 69 ft to 75 ft
 Final water level (static water level) 26.7 ft below above) GL.
 Pumping water level 64 ft below GL; tape airline E-line
 At yield of 60 GPM; orifice volumetric estimate Date 08/27/97

Water quality test? (yes no Date tested 08 / 27 / 97
 Tested by IOWA HYGIENIC LAB.
 Test results TO BE SUBMITTED TO STATE

Remarks (including depth of lost drilling fluids, materials, or tools)

Contractor LAYNE - WESTERN
Address 912 S. 14th AVE., MARSHALLTOWN, IA 50158
Driller DAVE DEEVER Certification no. 40259

Well use
 Domestic Municipal Industrial
 Livestock Public Supply Monitoring
 Test Well Irrigation Other _____ (explain)