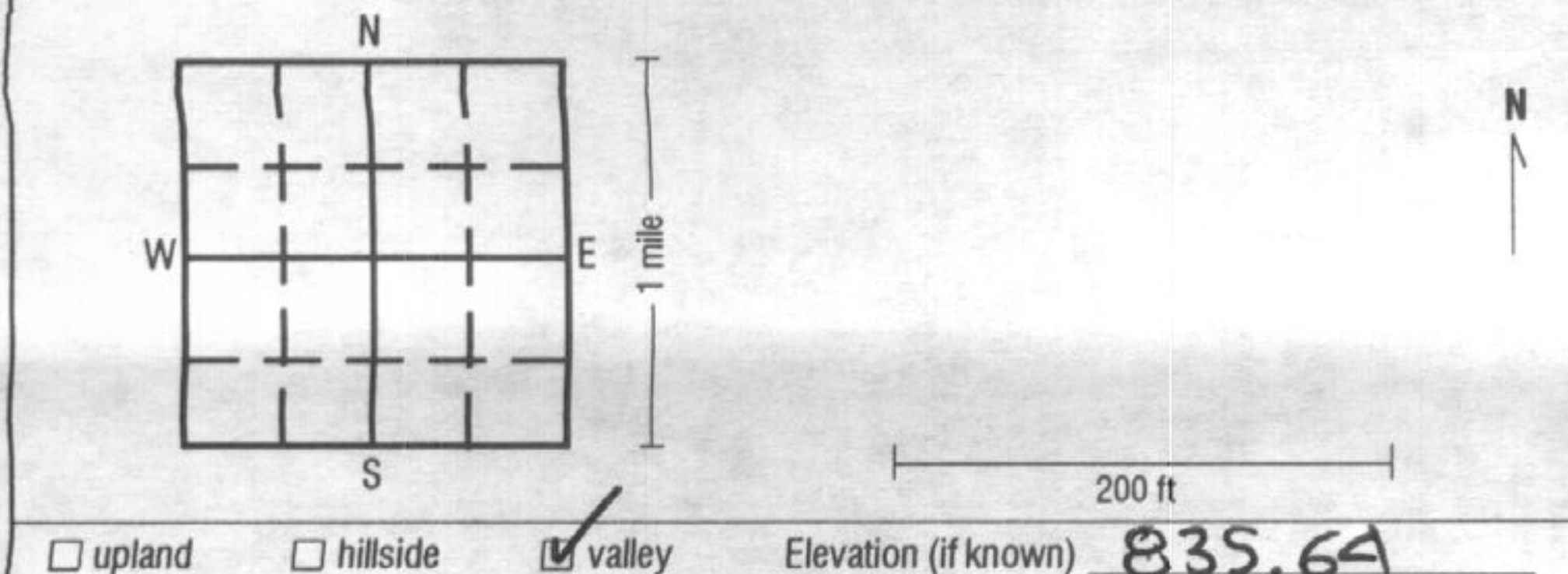


Site identification
 Property Owner Des Moines Water Works Well Number CW-5
 Address 220 Valley Dr. Des Moines, Io. 5032-1190
 Tenant _____
 Well Depth 37.83 ft Date completed 2/15/00

Drill method rotary auger cable other Cassion
Hole size 16 inch from 0 ft to 37.83 ft
 hole size continued _____ inch from _____ ft to _____ ft
 _____ inch from _____ ft to _____ ft

Location County Dallas
3 mi. ^N/_S and 1.1 mi. ^E/_W of intersection of Army Rd. W. and I35 S.
 _____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec 30 TWP 78N RNG 25W ^E/_W
 Show exact location of well in section grid with a dot (•). Sketch map of well location on property.

Casing Drive shoe (yes/no) _____ Pitless adapter (yes/no) _____
 Size (ID/OD) 13 1/16' Type / Wt Concrete Depth top 835.64 Depth bottom 797.81 Amount (length) _____



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

upland hillside valley Elevation (if known) 835.64

Casing grouted? (yes/no) _____ Placement method Trimie
 Type _____ Depth Top _____ Depth bottom _____ Amount (vol/wt) _____

Formation log

From	To	Color	Hardness	Formation description
0	5	Br	soft	clay with sand
5	15	Br	soft	Fine to med sand
15	33	lt Br	soft	Fine to med + coarse sand
33		blue	hard	weathered shale

Well screen? (yes/no) no
 Diameter 9.625 Slot size 0._____ Depth Top _____ Depth Bottom _____ Length 680 Material SS
 Bottom capped (yes/no) no with SS Plate
 Seals / Packers (yes/no) yes kind K depth _____ ft
 Gravel packed (yes/no) _____ from _____ ft to _____ ft
 type _____ amount _____

Well developed? (yes/no) yes
 Explain Surged by Pumping
 (pumped, airlifted, bailed) for 336 hrs at 500 GPM.

Pump installed? (yes/no) yes Date 4/12/00
 Installer's name Harry Burton
 Type of pump Turbine Depth to intake 40' ft
 Pump diameter 20" Rated capacity 3400 GPM

Water information Aquifer: sand / gravel limestone sandstone
 Main water-supply zone from 800.73 ft to _____ ft seepage well
 Static water level 21.52 ft (below/above) GL; tape airline E-line estimate
 Pumping water level 27.7 ft below GL; tape airline E-line estimate
 At yield of 1000 GPM; orifice volumetric estimate
 Measurements taken at _____: _____ (AM / PM) Date 2/15/00

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

Water quality test? (yes/no) _____ Date tested _____ / _____ / _____
 Tested by _____

Well use
 Domestic Municipal Commercial
 Livestock Public supply Monitoring
 Test well Irrigation Other _____ (explain)

Contractor Reynolds Inc.
 Address P.O. Box 186 Orleans, Ia. 47452
 Driller Harry Burton Certification no. 40562