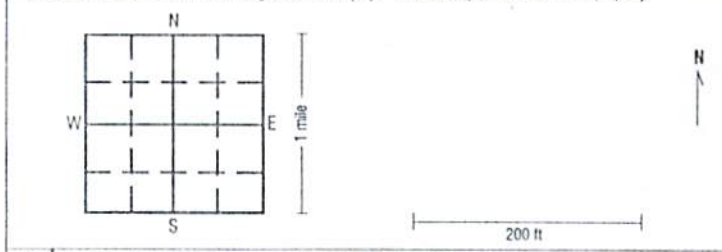


Site identification
 Property Owner Orchard Heights Well Number 1
 Address Swisher, IA
 Tenant _____
 Well Depth 520 ft Date completed 9/7/00

Location County Johnson
 _____ mi. ^N and _____ mi. ^E of intersection of _____ and _____
 _____ mi. ^S and _____ mi. ^W of intersection of _____ and _____
 1/4 of the _____ 1/4 of the NE 1/4 of Sec 7 TWP 8N RNG 7 ^E _W



upland hillside valley Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	47	Yellow		Clay
47	96	Blue		Clay
96	110			SAND
110	156	Blue		Clay
156	283			Limestone
283	513			Siliceous
513	520	Green		marlclastic shale

COPY

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

Well use

<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Commercial
<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Public supply	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Test well	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Other _____

(explain) _____

Drill method Rotary auger cable other _____
Hole size
 12 inch from 0 ft to 298 ft
 8 inch from 298 ft to 520 ft

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

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

Size (ID/OD)	Type / WT	Depth top	Depth bottom	Amount (length)
8" SDR 17	PVC	+1	298	299

Perforated or slotted casing? (yes/no)

Perforated / slotted from _____ ft to _____ ft
 Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes/no) Placement method Hellibenton

Type	Depth Top	Depth bottom	Amount (vol/wt)
Benseal	0	298	35 SACKS

Well screen? (yes/no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
0. _____					
0. _____					

Bottom capped (yes/no) with _____
 Seals / Packers (yes/no) kind Rubber depth 298 ft
 Gravel packed (yes/no) from _____ ft to _____ ft
 type _____ amount _____

Well developed? (yes/no) Air
 Explain _____
 (pumped, airlifted, bailed) for 4 hrs at 75 GPM.

Pump installed? (yes/no) Date ____/____/____
 Installer's name _____
 Type of pump _____ Depth to intake _____ ft
 Pump diameter _____ Rated capacity _____ GPM

Water information Aquifer: sand / gravel limestone sandstone
 Main water-supply zone from 340 ft to 500 ft seepage well
 Static water level 140 ft (below/above) GL; tape airline E-line estimate
 Pumping water level 280 ft below GL; tape airline E-line estimate
 At yield of 75 GPM; orifice volumetric estimate
 Measurements taken at 2:00 (AM/PM) Date 9/7/00

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

Contractor Gingerich Well
 Address 1321 Loust Avenue Kalna IA
 Driller KLG Gingerich Certification no. 40046