

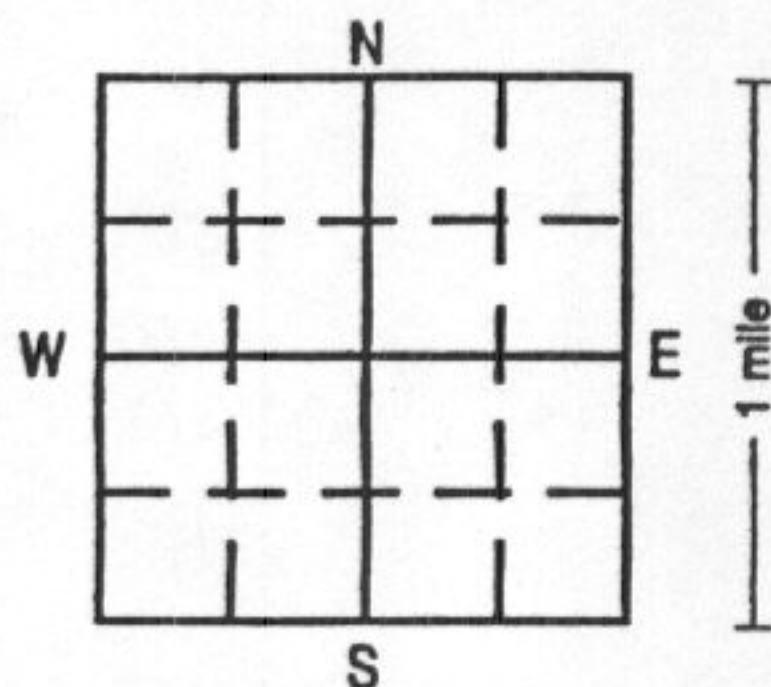
Site identification

Property Owner City of Red Oak Well Number N. #4
Address P.O. Box 475 Red Oak, IA 51566-0475
Tenant _____
Well Depth 155 ft Date Completed 9 / 18 / 96

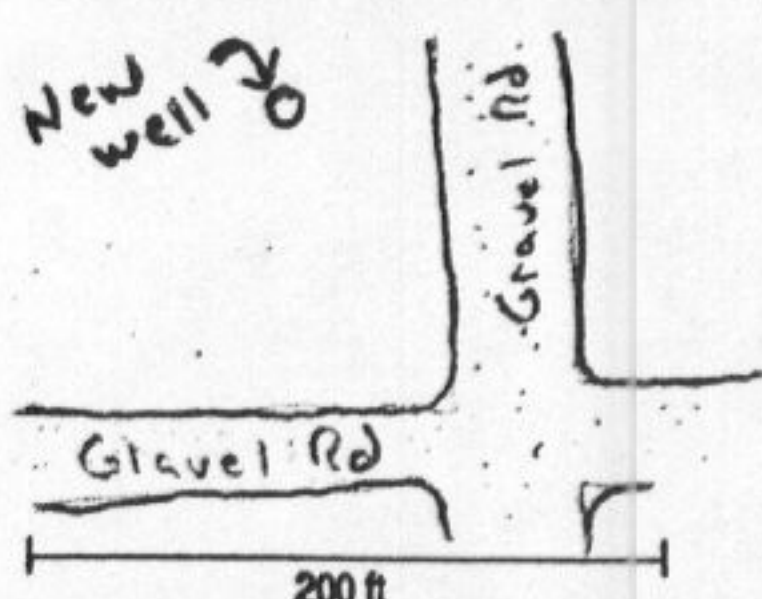
Location

County Montgomery
1 mi. ^(N)_S and 3 mi. ^(E)_W of intersection of hwy 34 and hwy 48
SE 1/4 of the SE 1/4 of the 1/4 of Sec 14 TWP 72 RNG 38 ^(E)_W

Show exact location of well in section grid with a dot (•).



Sketch map of well location on property



☐ upland ☐ hillside ☐ valley Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	4	Br/Bk		Top Soil
4	20	Br		Clay
20	23	Gr		Sticky Clay
23	24	Br		Sand + Gravel
24	51	Gr		Sticky Clay - cobbles
51	85			Sandstone w/streaks of shale
85	112	wht		shale w/sandstone streaks
112	120	wht		shale
120	140	wht		sandstone w/streaks of shale
140	146			Small + Medium Gravel
146	155			coarse sand + Gravel
155	160	wht		Shale
160	162	Bk		Shale
162				Limestone

use additional sheets as needed

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

Well use

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

Drill method

☐ rotary ☐ auger ☐ cable other Reverse Rotary

Hole size

48 inch from 0 ft to 155 ft
_____ inch from _____ ft to _____ ft
_____ inch from _____ ft to _____ ft

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

Casing

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
18"	70.59 lb/ft	(7)	114.4	121.4

Perforated or slotted casing? (yes/no)

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

Casing grouted? (yes/no)

Type	Depth Top	Depth Bottom	Amount
Bentonite	20	97	77', 35 yd ³
Neat Cement	0	20	20', 9 yd ³

Well screen? (yes/no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
18	.030	114.4	155	40.6	S.S.

Bottom capped (yes/no) with S.S. Plate
Seals / Packers (yes/no) kind _____ depth _____ ft
Gravel packed (yes/no) from 97 ft to 155 ft
type "B" amount 58', 27 yd³

Well developed? (yes/no)

Explain Surged + Bailed

Pump installed? (yes/no)

Date 1 / 17 / 97

Installer's name Dennis Mohr SR.
Type of pump 9BEH Depth to intake 135 ft
Pump diameter 9 in. Rated capacity 500 GPM

Water Information

Aquifer: ☒ sand/gravel ☐ limestone ☒ sandstone

Main water-supply zone from 140 ft to 155 ft

Final water level (static water level) 59 ft (below / above) GL.

Pumping water level 108 ft below GL; ☐ tape ☒ airline ☐ E-line

At yield of 500 GPM; ☒ orifice ☐ volumetric ☐ estimate Date 9/23/96

Water quality test? (yes/no)

Date tested 9 / 25 / 96

Tested by Hygienic Laboratory Univ. of IA
Test results _____

Contractor Layne-Western

Address P.O. Box 597 Valley, NE 68064

Driller Dave Deaver Certification no. 40259