Iowa Department of Natural Resources – Geological Survey
109 Trowbridge Hall, Iowa City, IA 52242-1319 PH (319) 335-1575

WELL RECORD 60881

PWTS Well No. 5064055

PWTS Permit No. 2005-289W

County Permit No. _____

Site identification

Property Owner: CITY OF PRAIRIE CITY Other ID: WELL 2R

Address: 203 E. JEFFERSON, PRAIRIE CITY, IA

Tenant: CITY OF PRAIRIE CITY

Well Depth: 46 ft Date completed: 9 / 28 / 05

Location

County: JASPER

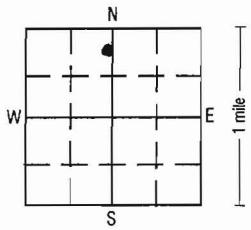
1/16 mi. N (S) and 1/4 mi. E (W) of intersection of HWY F48 and S. HASTINGS ST.

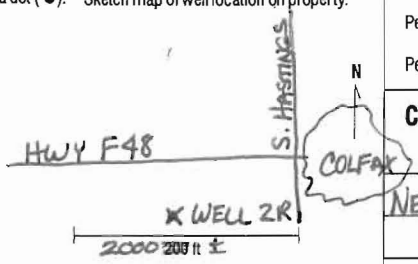
NE 1/4 of the NE 1/4 of the NW 1/4 of Sec. 11 TWP 79 N RNG 21 E (W)

GPS Coordinates (NAD83 datum only) decimal degrees:

_____.____ N. Latitude _____.____ W. Longitude.

Show exact location of well in section grid with a dot (●). Sketch map of well location on property.





☐ upland ☐ hillside ☐ valley ☒ level surface Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	6	BROWN		TOPSOIL/CLAY
6	21	BROWN		FINE SAND
21	46	GRAY		MEDIUM SAND/GRAVEL
46	48	GRAY		SHALE

use additional sheets as needed

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

Well use

☐ Domestic ☐ Livestock ☐ Test well ☐ Heat pump ☒ Municipal ☐ Public supply ☐ Irrigation ☐ Commercial ☐ Monitoring ☐ Other _____

Drill method

☒ rotary ☐ auger ☐ cable other _____

Hole size

48 inch from 0 ft to 48 ft

hole size continued: ____ inch from ____ ft to ____ ft; ____ inch from ____ ft to ____ 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)
20"	STD. STEEL	+7'	34'	41'

Perforated or slotted casing? (yes / no)

Perforated / slotted from _____ ft to _____ ft

Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no)

Placement method: TREMIE

Type	Depth top	Depth bottom	Amount (vol/wt)
NEAT CEMENT	0	18'	11 CYD.

Well screen? (yes / no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
20"	0.070	34'	46'	12'	SST
	0.___				

Bottom capped (yes / no) with SST. PLATE

Seals / Packers (yes / no) kind BENTONITE depth 18-20 ft

Gravel packed (yes / no) from 20 ft to 46 ft

type NORTHERN #2 amount 14 TONS

Well developed? (yes / no)

Explain: SURGED, BAILED + PUMPED

(pumped) airlifted (bailed) for 4 hrs at 400 GPM

Pump installed? (yes / no)

Date 9 / 28 / 05

Installer's name: JESUS GUEVARA/RODNEY RAY

Type of pump: VERTICAL TURBINE Depth to intake 45 ft

Pump diameter 11" Rated capacity 350 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone

Main water-supply zone from 21 ft to 46 ft ☐ seepage well

Static water level 7.5 ft (below / above) GL; ☐ tape ☐ airline ☒ E-line ☐ estimate

Pumping water level 19.8 ft below GL; ☐ tape ☐ airline ☒ E-line ☐ estimate

At yield of 442 GPM; ☒ orifice ☐ volumetric ☐ estimate for 24 hours

Measurements taken at 9 : 00 (AM / PM) Date 5 / 6 / 05

Water quality test? (yes / no)

Date tested 5 / 23 / 05

Tested by: IOWA HYGIENIC LABORATORY

Contractor: LAYNE-WESTERN

Address: 5600 GATEWAY DRIVE, STE. B., GRIMES, IA

Driller: MARK LESLIE Certification no. 3684

Send original form to: **Iowa Department of Natural Resources – Geological Survey**

Make photocopies for: **Well Contractor, Customer, and County Health Department**