WELL RECORD FORM

PWSID# *or* PWTS No. 2529035 | PWTS Permit No. 20200478 | GeoSam WNumber *(IGS use only)* 96543

Site Identification

Property owner City of De Soto | Other ID #5

Address 405 Walnut | City De Soto

Tenant Ground level EL 871' Top of Pitless EL 882'

Well depth 50 ft | Date completed 6 / 2 / 2021

Location

County Dallas

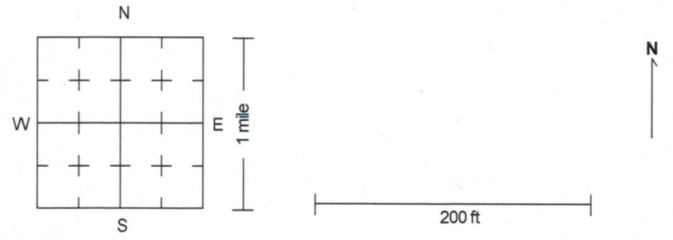
GPS coordinates (NAD83 datum)

41.5506070 Latitude | -94.0023230 Longitude

☐ Decimal Degrees ☐ Degrees, Decimal Minutes ☐ Degrees, Minutes, Seconds

____ 1/4 of the ____ 1/4 of the ____ 1/4 of Sec ____ TWP ____ RNG ____ E W

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



Formation Log

From	To	Color	Hardness	Formation description
0	3	Black		Peat, silt - Top soil
3	12	Brown		Clay, sandy
12	14	Blue Gy		Clay
14	25	Brown		Sand & Gravel
25	50	Brown		Sand, fine to course, cobbles
50		Gray		Shale/Bed Rock
				(use additional sheets as needed)

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

Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

# of borehole(s) ____ ☐ Monitoring ☐ Other ____

Drill Method

☑ Rotary ☐ Auger ☐ Cable ☐ Other ____

Hole size

24 inch from 0 ft to 50 ft

____ inch from ____ ft to ____ ft

hole size continued

____ inch from ____ ft to ____ ft

____ inch from ____ ft to ____ ft

Casing or Loop Pipe

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

Size (in)	Material	Depth Top	Depth Bottom	Perforated	Slotted	Screen
14	Stainless Steel	40'	50'	☐	☐	☐ slot size .055
14	Stainless Steel	38'	40'	☐	☐	☐ slot size "0"
14	Carbon Steel	6'	38'	☐	☐	☐ slot size
14	Pitless	+11'	6'	☐	☐	☐ slot size
				☐	☐	☐ slot size
☑ Gravel packed		25	50	amount 85 cu ft		variety #50 R.Flint
☑ Seals/packers		23	25	type Bentonite		

☑ Bottom capped with Stainless Steel Plate

Casing Grout

Placement method Pumped

Type	Depth Top	Depth Bottom	Amount (vol/wt)
C-150	5'	21	4.5 yards

Pump Installation

Date 2 / 1 / 2022

Type of pump Submersible | Depth to intake 52 ft

Pump diameter 6 in | Rated capacity 240 GPM

Water Information

Date 6 / 2 / 21

Static Water Level	Pumping Water Level	Yield	Duration
15 ft	21 ft	245 GPM	24.00 hrs

Water level measurement: ☐ Sonic ☐ Tape ☐ Airline ☑ E-line ☐ Estimate

Water yield measurement: ☑ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from 27 ft to 50 ft below GL

Well Development

☑ Physical explain: Surged Block and Pumped

☐ Chemical explain: ____

Contractor

Company Northway Well & Pump Co.

Address 100 N 6th St. Waukee, IA 50263

Driller Mark Evans | Certification no. 2392

IGS IIHR Hydroscience & Engineering The University of Iowa

Rev. 2017

See back for submittal information

DNR

DNR Form 542-8170