102071

# WELL RECORD FORM

PWSID# or PWTS No. 2503003 | PWTS Permit No. 2023-0430 | GeoSam WNumber (IGS use only)

## Site Identification

Property owner City of Adel | Other ID No. 8

Address 301 S 10th St. | City Adel

Tenant

Well depth 43' ft | Date completed 11 / 26 / 2024

## Location

County Dallas

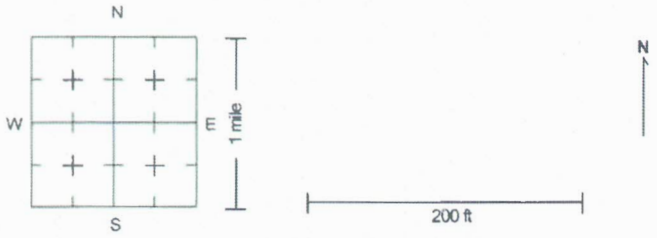
GPS coordinates (NAD83 datum)

41.627797 Latitude | -94.000110 Longitude

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

NW 1/4 of the ____ 1/4 of the ____ 1/4 of Sec 28 TWP 79N RNG 27 ☒ 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 | 6' | BL | | Sandy Top Soil |
| 6' | 7' | Br | | Clay |
| 7' | 10' | Tan | | Clean Fine Sand |
| 10' | 18' | Br | | Fine to Med. Sand |
| 18' | 24' | Gry | | Sand to Gravel |
| 24' | 43' | Gry | | Med. Sand, Gravel Bl |
| 43' | 44' | Gry | | Shale |

(use additional sheets as needed)

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

Well was abandond 01/02/2024

## Well Use

☐ Domestic ☒ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

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

## Drill Method

☒ Rotary ☐ Auger ☐ Cable ☐ Other Reverse

## Hole size

48 inch from 0 ft to 63 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 |
|---|---|---|---|---|---|---|
| 16" | Stainless Steel | +7' | 26' | ☐ | ☐ | ☐ slot size ____ |
| 16" | Stainless Steel | 26' | 43' | ☐ | ☐ | ☐ slot size 0.070" |
| | | | | ☐ | ☐ | ☐ slot size ____ |
| | | | | ☐ | ☐ | ☐ slot size ____ |
| | | | | ☐ | ☐ | ☐ slot size ____ |
| ☒ Gravel packed | | 25' | 43' | amount 12T | variety #3 | |
| ☒ Seals/packers | | 35' | 39' | type Bentonite | | |

☒ Bottom capped with SS Plate

## Casing Grout

Placement method Treimy

| Type | Depth Top | Depth Bottom | Amount (vol/wt) |
|---|---|---|---|
| C150 Grout | GL | 25' | |
| | | | |
| | | | |

## Pump Installation

Date 11 / 26 / 2024

Type of pump Submersible | Depth to intake 35 ft

Pump diameter 8" in | Rated capacity 450 GPM

## Water Information

Date 3/27/2024

| Static Water Level | Pumping Water Level | Yield | Duration |
|---|---|---|---|
| 15 ft | 28 ft | 350 GPM | 24 hrs |

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

Water yield measurement: ☒ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from 42 ft to 63 ft below GL

## Well Development

☒ Physical explain: Surge Block/Pumped

☒ Chemical explain: Aqua Clear - PFD

## Contractor

Company Northway Well & Pump Co.

Address 100 N 6th St. Waukee, IA

Driller Ben Frambach | Certification no. 12021

102071

# Northway Well and Pump Co.

## 4895 8th Avenue
## Marion, Iowa 52302

## PUMP REPORT

CUSTOMER City of Adel WELL NO. 7 DATE 11/26/2024

WELL DEPTH 45' WELL TOP SIZE 16" x 18" SIZE OF CASING 16"

GPM 425 STATIC LEVEL 18' PUMPING LEVEL 25'

## CONTROL

MAKE _____ SIZE VFD MODEL _____

CABLE SIZE _____ LENGTH _____ BREAKER SIZE 100 Amp

## MOTOR

MAKE Franklin H.P. 30 VOLT 460 RPM 3450

TYPE Submersible PHASE 3 CODE G FRAME 6" NEMA

RING BASE 6" SERIAL

| RESISTANCE: | | | | |
|---|---|---|---|---|
| | WIRE TO WIRE | --- | --- | --- |
| | WIRE TO GROUND | -0- | -0- | -0- |
| | RUNNING VOLTAGE | 485 | 485 | 485 |
| | RUNNING AMPS | 26 | 26.5 | 26 |
| | SPLICE | | | Tape |

## PUMP

TURBINE _____ SUBMERSIBLE X

DISCHARGE HEAD: MAKE Baker SIZE 16" x 18"

TYPE Pitless SERIAL _____

HEADSHAFT: DIA. _____ LENGTH _____

LOWER SHAFT DRIVE _____

COLUMN 6" SHAFT _____ MATERIAL Epoxy Coated ID-OD

BOWL: MAKE Goulds MODEL 8RJLC STAGE 2

SIZE 8" IMP 4.6875" MATERIAL Cast Iron Epoxy Coated

STEP COUPLING _____ X _____ STRAINER _____ SUCTION DIA. 8"

LENGTH N/A LONGEST LENGTH 21' TOTAL SETTING 35'

GPM 450 TDH 125' "Design Conditions

REMARKS: All new pumping equipment.