WELL RECORD FORM

PWSID# *or* PWTS No. 7820080 | **PWTS Permit No.** _____ | **GeoSam WNumber** *(IGS use only)* _____

Site Identification

Property owner: Council Bluffs Water Works Other ID: _____

Address: 6401 Gifford Road City: Council Bluffs

Tenant: _____

Well depth: 102 ft Date completed: 11 / 8 / 2017

Drill Method

☑ Rotary ☐ Auger ☐ Cable ☐ Other _____

Hole size

54	inch	from	0	ft to	15	ft	hole size continued		
42	inch	from	15	ft to	102	ft			

Location

County: _____

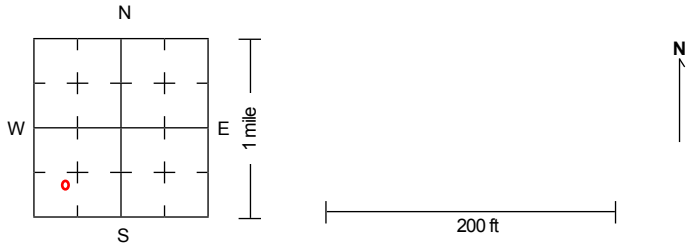
GPS coordinates (NAD83 datum)

44321.3200000 Latitude 986040.2900000 Longitude

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

____ 1/4 of the ____ 1/4 of the SW 1/4 of Sec 23 TWP 74 RNG 44 E/W

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



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
24	.500" Steel	GR	70	☐	☐	☐ slot size _____
24	.375" SS	70	102	☐	☐	☑ slot size .060"
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
☑ Gravel packed		35	102	amount 20 variety Northern 1		
☑ Seals/packers		35	17	type Bentonite chips/slurry		

☑ Bottom capped with Northern 1

Formation Log

From	To	Color	Hardness	Formation description
0	4			Clay
4	20			FS Fine Sand
20	35			Fine Sand and Clay
35	50			Medium Sand w/ Fine Sand
50	66			Fine To Medium Sand
66	84			Medium & Fine Sand Small Grave
84	102			Medium Sand Some Gravel
102				Limestone
				(use additional sheets as needed)

Casing Grout

Placement method: Tremie

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Ready Mix 3500#	GR	17	10 yd

Pump Installation

Date ____/____/____

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ in Rated capacity _____ GPM

Water Information

Date ____/____/____

Static Water Level	Pumping Water Level	Yield	Duration
14 ft	28 ft	1400 GPM	24.00 hrs

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

Water yield measurement: ☐ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from 70 ft to 102 ft below GL

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

Well Development

☑ Physical explain: Surge pumping isolated 5' sections 3 hours each

☐ Chemical explain: _____

Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

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

Contractor

Company: Layne Christensen Co.

Address: 4601 N. 252nd Street, Valley, NE 68064

Driller: Mark Leslie Certification no. 3684