Iowa Department of Natural Resources

WELL RECORD FORM

Geological and Water Survey

PWTS No. or PWS No. 653050 | PWTS Permit No. 20130091 | GEOSAM Well No. (DNR use only) 75811

Site Identification

Property owner CITY OF NEWHALL Other ID

Address 220 1RST STREET EAST City NEWHALL

Tenant

Well depth 477 ft Date completed 2 / 28 / 2013

Location

County BENTON

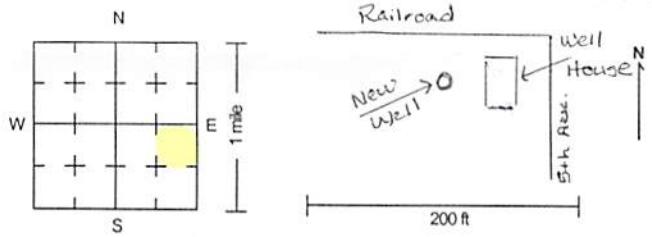
GPS coordinates (NAD83 datum)

41.5942300 Latitude 91.5749170 Longitude

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

NW 1/4 of the NE 1/4 of the SE 1/4 of Sec 13 TWP 83 RNG 10 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	5	BLACK		TOPSOIL
5	10	GRAY		CLAY
10	15	BROWN		SAND / GRAVEL
15	100	GRAY		CLAY
100	110			CLAY / SAND
110	182	GRAY		CLAY
182	190	GRAY		SHALE
190	315	BROWN		LIMESTONE
315	317	GRAY		SHALE
317	477	GRAY		LIMESTONE

(use additional sheets as needed)

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

ADDITIONAL GROUT REQUIRED TO FILL ANNULUS

Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

# of borehole(s) ____ ☐ Monitoring ☐ Other

Drill Method

☑ Rotary ☐ Auger ☐ Cable ☐ Other

Hole size

13 inch from 0 ft to 280 ft

7.875 inch from 280 ft to 477 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
8	STEEL	0	280	☐	☐	☐ slot size
				☐	☐	☐ slot size
				☐	☐	☐ slot size
				☐	☐	☐ slot size
				☐	☐	☐ slot size

Casing Grout

Placement method GROUT SHOE

Type	Depth top	Depth bottom
NEAT CEMENT	0	280
☐ Gravel packed variety		
☐ Seals/packers		

Pump Installation

Date ____/____/____

Type of pump Depth to intake ____ ft

Pump diameter ____ in Rated capacity ____ GPM

Water Information

Date ____/____/____

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
181 ft	436 ft	80 GPM	22.50 hrs

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

Water yield measurement: ☐ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from ____ ft to ____ ft below GL

Well Development

☑ Physical explain: AIRLIFT, SURGE, PUMP

☐ Chemical explain:

Contractor

Company SAM'S WELL DRILLING INC

Address P. O. BOX 150, RANDOLPH, WI 53956

Driller STEVE HAGEMAN Certification no. 8268

Revision Date: 10/2011

Send form to **Iowa Department of Natural Resources – Geological and Water Survey**
109 Trowbridge Hall, Iowa City, IA 52242-1319 PH 319-335-1575 FAX 319-335-2754

Make photocopies for:
well contractor, customer, and county health department