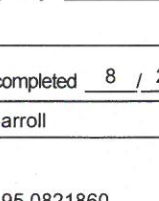


WELL RECORD FORM

PWTS No. or PWS No. _____		PWTS Permit No. _____	GEOSAM Well No. (<i>IGS use only</i>) 8 3 4 1 0
----------------------------------	--	------------------------------	--

Site Identification Property owner <u>West Central Iowa RWD</u> Other ID <u>2016-1</u> Address <u>PO Box 188</u> City <u>Manning</u> Tenant _____ Well depth <u>53</u> ft Date completed <u>8 / 23 / 2016</u>		Drill Method ☒ Rotary ☐ Auger ☐ Cable ☐ Other _____ Hole size <u>322</u> inch from <u>0</u> ft to <u>53</u> ft _____ inch from _____ ft to _____ ft _____ inch from _____ ft to _____ ft _____ inch from _____ ft to _____ ft	
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Location County <u>Carroll</u> GPS coordinates (NAD83 datum) <u>41.8856690</u> Latitude <u>95.0821860</u> Longitude ☒ Decimal Degrees ☐ Degrees, Decimal Minutes ☐ Degrees, Minutes, Seconds <u> </u> 1/4 of the <u> </u> 1/4 of the <u>NE</u> 1/4 of Sec <u>30</u> TWP <u>82</u> RNG <u>36</u> 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. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Size (in)</th> <th>Material</th> <th>Depth Top</th> <th>Depth Bottom</th> <th>Reamed</th> <th>Slotted</th> <th>Screen</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>Steel</td> <td>0</td> <td>43</td> <td>☐</td> <td>☐</td> <td>☐ slot size _____</td> </tr> <tr> <td>12</td> <td>Stainless V-Wire</td> <td>43</td> <td>53</td> <td>☐</td> <td>☒</td> <td>☐ slot size .100</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td>☐</td> <td>☐</td> <td>☐ slot size _____</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td>☐</td> <td>☐</td> <td>☐ slot size _____</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td>☐</td> <td>☐</td> <td>☐ slot size _____</td> </tr> </tbody> </table>		Size (in)	Material	Depth Top	Depth Bottom	Reamed	Slotted	Screen	12	Steel	0	43	☐	☐	☐ slot size _____	12	Stainless V-Wire	43	53	☐	☒	☐ slot size .100					☐	☐	☐ slot size _____					☐	☐	☐ slot size _____					☐	☐	☐ slot size _____
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Well Development ☒ Physical explain: <u>Double disc surge block</u> ☒ Chemical explain: <u>Aqua Clear PFD</u>		Contractor Company <u>Sargent Drilling</u> Address <u>PO Box 364, Carroll, IA 51401</u> Driller <u>Derek Schweitzer</u> Certification no. <u>8338</u>	
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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 _____	
--	--	--	--

Sargent Drilling

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Geneva, NE 68361-0367

846 S 13th St.

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1-888-496-3902

PUMP AND WELL INSTALLATION

(field copy)

Customer WCRWA # 10
Date 9-26-16 Address N of Plant in well field Well # ~~1254~~ 604
1. WELL: Location Manning GPS Reading N 41.885679 W 095.082243
Dia. 12" Depth 60'10" Static Level 21'6" Casing Material Steel
2. MOTOR OR GEAR DRIVE: Mfg. ~~Franklin~~ HP 20 Serial No. 16E19-02-06107A
Frame _____ Volts 460 Phase 3 RPM 3450 Clutch Bore _____ NRR _____
Bearing #s: Upper _____ Lower _____ Submersible Dia. 6" Length 30" Wire Size 3 AWG 1094
3. PUMP: Mfg. Grundfos Discharge Dia. 6" Depth of Setting ~~70'~~ 30'
Column Dia. 6" Shaft _____ Shaft material _____ Bowl Serial No. 24-16-342
Dia. 6" Type 385S200-3A No. of Stages 3 Length 34.5 Impeller _____
Suction Dia. _____ Length 30' Strainer _____ Lubrication water
4. MISCELLANEOUS: Airline Length 39 Material plastic Does it work yes
Water Meter Size _____ Mfg. _____ Material _____ Does it work _____

Start Blow Off Dia. 2 1/2" FH Dresser Sleeve Dia. _____

Date 12-6-16

	Test #1	Test #2	Test #3
Pump RPM	<u>3450</u>	<u>3450</u>	<u>3450</u>
Pumping Pressure (PSI)	<u>2040</u>	<u>2055</u>	<u>2070</u>
Pumping Level (ft)	<u>40'</u>	<u>37'10"</u>	<u>35'</u>

GPM: Meter

Testing Equipment 201

Kilowatts 36

Volts

avg.

avg.

avg.

460
459
463

458
459
463

457
459
463

avg.

avg.

avg.

28

28

27

6x4