

WELL RECORD FORM

COPY

PWTS No. or PWS No. <u>2016-609W</u>		PWTS Permit No. <u>1811102</u>		GEOSAM Well No. (IGS Use Only)	
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Site Identification Property owner <u>RJ THOMAS</u> Other ID _____ Address <u>5644 HWY 59 S</u> City <u>CHEROKEE</u> Tenant <u>COMMERICAL</u> Well depth <u>269</u> ft Date completed <u>9 / 27 / 16</u>			Drill Method ☒ Rotary ☐ Auger ☐ Cable ☐ Other _____ Hole size 10 inch from <u>0</u> ft to <u>259</u> ft 5 7/8 inch from <u>259</u> ft to <u>269</u> ft		
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Location County <u>CHEROKEE</u> GPS coordinates (NAD83 datum) <u>42.69937</u> Latitude <u>-95.55490</u> Longitude ☒ Decimal Degrees ☐ Degrees, Decimal Minutes ☐ Degrees, Minutes, Seconds <u>SE</u> <u>SE</u> <u>NE</u> <u>15</u> <u>91</u> <u>40</u> E <u>1/4</u> of the <u>1/4</u> of the <u>1/4</u> of Sec <u>TWP</u> <u>RNG</u> <u>W</u> 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.		
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			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Size (in)</th> <th>Material</th> <th>Depth Top</th> <th>Depth Bottom</th> <th>Reamed</th> <th>Shotted</th> <th>Screen</th> </tr> <tr> <td>6</td> <td>PVC / 200#</td> <td>18"+</td> <td>179</td> <td>☐</td> <td>☐</td> <td>☐ slot size _____</td> </tr> <tr> <td>6 1/4</td> <td>PVC/250#</td> <td>179</td> <td>259</td> <td>☐</td> <td>☐</td> <td>☐ slot size _____</td> </tr> <tr> <td>4</td> <td>PVC/200#</td> <td>249</td> <td>259</td> <td>☐</td> <td>☐</td> <td>☐ slot size _____</td> </tr> <tr> <td>4</td> <td>STAINLESS</td> <td>259</td> <td>269</td> <td>☐</td> <td>☐</td> <td>☒ slot size <u>15</u></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>☐</td> <td>☐</td> <td>☐ slot size _____</td> </tr> </table>			Size (in)	Material	Depth Top	Depth Bottom	Reamed	Shotted	Screen	6	PVC / 200#	18"+	179	☐	☐	☐ slot size _____	6 1/4	PVC/250#	179	259	☐	☐	☐ slot size _____	4	PVC/200#	249	259	☐	☐	☐ slot size _____	4	STAINLESS	259	269	☐	☐	☒ slot size <u>15</u>					☐	☐	☐ slot size _____
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Formation Log				Casing Grout				
From	To	Color	Hardness	Formation description	Type	Depth Top	Depth Bottom	Amount (vol/wt)
0	13			SAND/GRAVEL	☒ Gravel packed variety <u>UNIMIN</u>	246	269	200 LBS
13	26	YELLOW		CLAY	☐ Seals/packers			
26	93	BLUE		CLAY				
93	96	GREEN		CLAY				
96	113	GRAY		CLAY				
113	163	GRAY		SAND				
163	171			SAND				
171	199	GRAY		SAND				
199	211			SAND				
211	221			SAND				
221	228			SAND				
228	234	TAN		SHALE				
234	241			SAND				
241	269			SAND				
269				SHALE				
				(use additional sheets as needed)				

Remarks (including depth of lost drilling fluids, materials, or tools)				Pump Installation			
				Date <u>9 / 26 / 16</u> Type of pump _____ Depth to intake _____ ft Pump diameter _____ in Rated capacity _____ GPM			

Well Use ☐ Domestic ☐ Public supply ☐ Livestock ☐ Heat pump ☒ Commercial ☐ Irrigation # of borehole(s) _____ ☐ Monitoring ☐ Other _____				Water Information			
				Date <u>9 / 26 / 16</u> Use + for above GL measurements.			
Static Water Level		Pumping Water Level		Yield		Duration	
<u>68</u> ft		<u>78</u> ft		<u>35</u> GPM		<u>1</u> hrs	
Water level measurement: ☐ Sonic ☐ Tape ☐ Airline ☒ E-line ☐ Estimate Water yield measurement: ☐ Orifice ☐ Volumetric ☒ Estimate Main water-supply zone from <u>259</u> ft to <u>269</u> ft below GL							

Well Development ☒ Physical explain: <u>AIRLIFTED, DEVELOPED @100'</u> ☐ Chemical explain: _____				Contractor Company <u>MIDDENDORFF WELL COMPANY</u> Address <u>SIOUX RAPIDS, IOWA 50585</u> Driller <u>MIKE STRAND</u> Certification no. <u>5350</u>			
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