## **WELL RECORD FORM**

PWSID#	or PWTS No. 1415072 PWTS Permit No.				20200493			GeoSam WNumber (IGS use only)								
Site Identification Property owner City of Carroll Other ID #20							Drill Method ☑ Rotary ☐ Auger ☐ Cable ☐ Other									
							Hole size hole size continued									
- Oily							Hole size   hole size continued     36   inch   from ft to ft   inch   from ft to ft									
Tenant	400			1				1								
Well depth	193	ft			inch from _	<u>U</u> f	t to ft	i	nch	from		ft to _	ft			
Location	n		Cou	nty <u>Carr</u>	oll	Casing or Loop Pipe										
	dinates (NAD	•		Record all depth measurements from ground level (GL). Use + for above GL measurements.												
		La	atitude es, Decimal M	Size (in) Material			Depth Top	Depth Bottom	erforate	Perforated Screen			n			
			SE <sub>1/4 of</sub>	24	Steel		0					slot size				
			grid with a dot	14	Steel	0	122									
SHOW EXACT	N	ci il secuori	gila wili a dol	14			122	152				slot size .030				
Ņ Ņ							Stainless Steel		152	157			=	✓ slot size .005		
							Stainless St		157	189		Z	✓ slot		.030	
w	+   -	E #				<b>☑</b> Gra	vel packed		118	193	amo			<del></del>	rse 0	
-  -	+ + +					☐ Seals/packers				type	mount _ <sup>4 supe</sup> <u>∓</u> variety Coarse					
L	S	— Т	<u> </u>		200 ft	□ Bottom capped with										
Formati	on Loa					Casing Grout Placement method										
From	To	Color	Hardness		Formation description		Туре		Depth Top Depth Bo				Amo	unt (vollwt)		
0	15	brown	loose	top soil	and brown clay	Cement Grout				0 10			0			
15	20	blue	loose	clay an	d f,m,c sand and fine	Bentonite Seal				10	118		18			
				gravel l	ayer					$\top$						
20	23	tan	loose	f,m,c sa	and and f,m,c gravel	Buren hastelletian										
23	40 .	gray	dense	clay an	d black clay	- Pump Installation Date 1 / 22										
40	60	gray	dense	sticky c	lay	Type of pump Vertical Turbine Pump Depth to intake 1							11	<u>5</u> ft		
60	80	gray	dense	sticky c	lay, brown & black and	Pump diameter 8 in Rated capacity 600							GPM			
				fine sar	nd layer	Water Information . Date _ 08 / 31						31 /	2020			
80	90	brown	dense	gray an	d black clay	Static Water Level   Pumpi			oing Water Le	Yield			Durat	ion		
90	95	brown	dense	sandy o	slay	51 <sub>ft</sub>			103	103 ft		800 GPM _			hrs	
95	100	tan	hard	sandsto	one	Water level measurement: ☐Sonic ☑Tape ☐Airline ☐E-line ☐Estima							stimate			
100	120	tan	hard	sandsto	one with soft pyrite and											
				orange	clay strips											
120	140	tan	hard	sandsto	one with thin shale streak	Main water-supply zone from 122 ft to 193 ft below GL										
140	150	tan	hard	sandsto	ne	Well Development										
150	155	white	hard	shale		☑ Physical explain: Surge blocked and pumped for 6 hours										
(use additional sheets as needed)							Chemical explain:									
Remarks (including depth of lost drilling fluids, materials, or tools)							CITICAL CAPIAL									
							Contractor									
\A/- !! ! !				Company Sargent Drilling												
Well Use  □ Domestic							Address 2016 Industrial Park Road, Carroll, IA 51401									
□Heat pump □Commercial □Irrigation																
# of borehole(s)   Monitoring   Other							Driller Derek Schweitzer Certification no. 8338									





## **WELL RECORD FORM**

PWSID#	or PWTS N	lo	1415072		PWTS Permit No	2020	0493	_ Geo	GeoSam WNumber (IGS use only)							
Site Identification Property owner City of Carroll Other ID #20							Drill Method         □ Rotary         □ Auger         □ Cable         □ Other									
	627 North			Hole	Hole size hole size continued											
				`	Carroll Carroll	_	hole size hole size continued hole size continued to the from 0 ft to from ft to from from ft to from ft to from ft to from from ft to from ft to from ft to from ft to from from ft to from from from ft to from from ft to from from from ft to from from from from ft to from from from from from from from fro									
Tenant										1						
	<u> </u>	#			pleted//				to ft	i	nch	from		ft to ft		
Location			Cou	nty	19194444193614419364193		Casing or Loop Pipe  Record all depth measurements from ground level (GL). Use + for above GL measurements.									
GPS coord	dinates (NAD		- 661 -		1	.										
Decima					Longitue  Degrees, Minutes, Secon	(in)	Materi	Material Depth Top			perforated	Slotted		Screen		
1/4	of the	1/4 of the	1/4 of \$	w 14					Ø	<b>Z</b> slot size005						
Show exact	location of w	ell in section	grid with a dot	ty.							☐ slot	size				
ļ <u></u>	N										☐ slot	size				
													slot	size		
W + + + +   E E E											slot size					
							☐ Gravel packed · amount_				ntvariety					
							Seals/packers type									
	S			_	Bottom capped with											
Formati		I	ſ	ı		Casi	Casing Grout Placement method							1		
From	То	Color	Hardness		Formation description		Type Depth Top Depth Bottom Amo							Amount (volwt)		
155	187	tan	hard	sandst									-			
187	200	white	hard	Donre of	& gray shale with					-						
				pyrito it												
			- Pum	Pump Installation Date//												
							Type of pump ft									
				Pump	Pump diameter in Rated capacity GPM											
							Water Information . Date//									
						Statio	Static Water Level Pumping Wate				_evel Yield			d Duration		
							ftft					GPMhrs				
						Water level measurement: ☐Sonic ☐Tape ☐Airline ☐E-line ☐Estimate								Estimate		
	Water yield measurement: ☐Orifice ☐Volumetric ☐Estimat									imate						
						Main	Main water-supply zone from ft to ft below GL									
						Well	Well Development									
(use additional sheets as needed)							emical expla									
Remarks (including depth of lost drilling fluids, materials, or tools)							CAPIC									
				Contractor												
Well Hee							Company Sargent Drilling									
Well Use  □Domestic □ Public supply □ Livestock							Address 2016 Industrial Park Road, Carroll, IA 51401									
☐ Heat pump ☐ Commercial ☐ Irrigation							Driller Derek Schweitzer Certification no. 8338									
# of bore	ehole(s)	— 🗆 ма	onitoring	Driller	2010K 001WK			Certific	ation	110	00					





DNR Form 542-8170