WELL RECORD FORM

PWSID#	or PWTS N	lo	1471069		PWTS Permit No.	Geos	GeoSam WNumber (IGS use only)										
Site Identification							Drill Method ☑ Rotary ☐ Auger ☐ Cable ☐ Other										
Property owner City of Quimby Other ID																	
Address	PO Box 1	87		Hole size hole size continued													
Tenant				inch from ft to ft inch from ft							ft to ft						
Well depth	264	ft	С		inch from ft to ft inch from												
Locatio	n		Cou	Casing or Loop Pipe													
							Record all depth measurements from ground level (GL). Use + for above GL measurements.										
42	2.6291940	La	atitude	Size	Size Material Depth Depth Bottom							Saroan					
✓ Decima	al Degrees	Degree	es, Decimal M	(in)	Material		Тор	Bottom	Taleo	Slotted	Screen						
1/4	of the NW	/ 1/4 of the	NW _{1/4 of 5}	Sec 12	2_ _{TWP} _90_ _{RNG} _41_ _W	10" SDR17 ShurGrip		Grip	Grip 0					size			
					h map of well location on property.	10"			214	264	V			size .020			
	N													size			
		T			N 								☐ slot	size			
7	<u> </u>	- 1 I											☐ slot	size			
W	 	E E				☑ Gra	vel packed		205 2		amo	unt_14.	y Northern				
-	+ + +					☐ Sea	ıls/packers				type	****					
<u> </u>	S				200 ft	□ Bottom capped with											
Formati	on Log					Casing Grout Placement method											
From	То	Color	Hardness		Formation description	Type Depth Top Depth Bottom Amount							Amount (vol/wt)				
0	3	Tan	Loose	Top so	il with rocks	Neat Cement Grout 0 35 8.75						8.75 yds					
3	20	Tan	Dense	Fine, m	nedium, coarse sand and	Bentor	ite Seal		35		205		12 super sacks				
				fine, m	edium, coarse gravel and												
				rocks v	vith clay layer	Pump Installation Date 12 / 12							12 / 2019				
20	40	Tan	Dense	Fine, m	nedium, coarse sand and												
				fine, m	edium, coarse gravel and		of pump Grun		·								
				rocks v	vith brown clay strips	Pump diameter 6 in Rated capacity 1						15	0GPM				
40	53	Tan	Dense	Fine, m	nedium, coarse sand and	Wate	r Informatio	n.				Date	10 /	16 / 2018			
				fine, m	edium, coarse gravel	Static	Water Level	Pumpino	g Water Le	evel	Yiel	d	Duration				
53	90	Gray	Dense	Clay			43 ft		55 ft				GPM <u>24.00</u> hrs				
90	100	Black	Loose	Black a	ınd white sand	Water level measurement: ☐Sonic ☑Tape ☐Airline ☐E-line ☐Estima							☐Estimate				
100	120	Tan	Dense	Fine, m	nedium, coarse sand and	Water yield measurement: ☑Orifice ☐Volumetric ☐Estimate											
				fine gra	evel with gray clay strip									irrate			
120	140	Tan	Dense	Fine, m	nedium sand with some	Main water-supply zone from148 ft to264 ft below GL											
				coarse	sand and fine gravel and	Well	Developmer	nt									
blue and gray clay strips ☑ Physical explain: Surge blocked and pumped for 6 hours																	
(Wish additional sheets as needed)							Chemical explain:										
Remarks	S (including d	lepth of lost di	illing fluids, mat	terials, or t	ools)					*							
							Contractor										
NV IIII							Company Sargent Drilling										
Well Use □ Domestic □ Public supply □ Livestock							Address 2016 Industrial Park Road, Carroll, IA 51401										
☐Heat p	ump	□Co	mmercial		☐ Irrigation	D 101 "											
# of bore	ehole(s)	— <u>П</u> мс	nitorina	Driller Derek Schweitzer Certification no. 8338													





WELL RECORD FORM

PWSID# or PWTS No PWTS Permit No						GeoSam WNumber (IGS use only)											
Site Identification						Drill I	Method	Rota	ary 🔲 A	uger [☐ Cat	ole 🗆	Other_		_		
Property owner Other ID										T			***		_		
Address City							Hole size hole size continued										
Tenant				inch from ft to ft inch from ft to							ft to	ft					
Well depth ft Date completed//							inch from	ft	to fl	:	_ inch	from		ft to	ft		
							g or Loop								_		
							Record all depth measurements from ground level (GL). Use + for above GL measurements.										
-			atitude	Size (in) Material Depth Top Bottom Of Size Screen													
□ Decimal Degrees □ Degrees, Decimal Minutes □ Degrees, Minutes, Seconds							Mate	nai	Тор	Botton	า ซึ่	Slotted		Screen			
1/4	of the	1/4 of the	1/4 of 4	Sec	TWPRNGW									t size	_		
		_	-		n map of well location on property.							1 🗆	☐ slot	t size			
	N												☐ slot	t size	_		
		\sqcap T			N 1] 🗆	☐ slot	t size	_		
	+ + +	E E										□ □ slot size					
W	 	-			1	☐ Gravel packed amount						variety					
	+	-	1		,	■ Sea	ils/packers				typ	e					
	S				200 ft	□ Bottom capped with											
Formati	on Log					Casing Grout Placement method											
From	То	Color	Hardness		Formation description	Туре					Depth Top Depth Bott			Amount (vol	(wt)		
140	143	Tan	Dense	Fine, m	nedium sand with some						-						
				coarse	sand and fine gravel												
143	148	Tan	Hard	Shale and pyrite													
148	160	White	Hard	White s	andstone w/shale streaks	Pump Installation Date/_/											
160	168	White	Hard	Type of pump Depth to intake ft													
168	180	Gray	Dense	Gray sh	nale with hard spots							Depth to	intake		. ft		
180	200	Gray	Hard	Gray sh	nale with white sandstone	Pump	diameter		in	Rat	ed ca	pacity _		GP	M		
·				strips a	nd hard strips	Wate	r Informat	tion				Date					
200	214	White	Hard	White s	andstone with gray shale	Static \	Water Level	Pump	ing Water L	evel	Yi	eld		Duration			
				strip			ft			ft _		GPM	junion.	hrs			
214	220	White	Hard	Sandsto	one	Water level measurement: ☐Sonic ☐Tape ☐Airline ☐E-line ☐Estimate											
220	226	White	Hard	White s	andstone with cemented												
				sandsto	one strips												
226	240	40 White Hard Sandstone Main water-supply zone from ft to ft below GL															
240	260	White	Dense	Fine, m	edium white sandstone	Well Development											
with some fine gravel							☑ Physical explain:										
(use additional sheets as needed)						☐ Che	emical exc	olain:									
Remarks (including depth of lost drilling fluids, materials, or tools)						Chemical explain:											
							Contractor										
Well Hoo							Company Sargent Drilling										
Well Use □Domestic □ Public supply □ Livestock							Address 2016 Industrial Park Road, Carroll, IA 51401										
☐Heat p	☐ Heat pump ☐ Commercial ☐ Irrigation							Driller Derek Schweitzer Certification no. 8338									
# of borehole(s)								. 0,1201		Certi	nicatio	n no					



THE UNIVERSITY OF IOWA



DNR Form 542-8170

WELL RECORD FORM

PWSID# or PWTS No PWTS Permit No							GeoSam WNumber (IGS use only)									
Site Identification							Drill Method □ Rotary □ Auger □ Cable □ Other									
Property	owner			-				· –								
Address				Hole	Hole size hole size continued											
Tenant				_	inch from 0 ft to ft inch from f						ft to ft					
Well depti	າ	ft		Date com	npleted//	_	inch from	ft to .	ft	 i	nch	from		ft to ft		
Locatio	n		Cou	inchfromft toftinchfromft toft _ Casing or Loop Pipe												
GPS coor	dinates (NAD	083 datum)		Record all depth measurements from ground level (GL). Use + for above GL measurements.												
		La	atitude	Size	Size Material Depth Depth Bottom							Screen				
Decimal Decimal	al Degrees	Degree	es, Decimal M	(in)	(in)			Bottom	ateo	Scree						
1/4	of the	1/4 of the	1/4 of \$	Sec	TWPRNGW	,							☐ slot	t size		
Show exact	location of w	ell in section	grid with a dot	(•). Sketc	h map of well location on property								☐ slot	t size		
	N T T				N							旦	Slot	t size		
	· ·	_			N								☐ slot	t size		
l w∟	<u>. </u>	E E											☐ slot	t size		
	· + + +	_			ľ		Gravel packed amount						variet	variety		
<u> </u>			 		200 ft	Seals/packers type										
	S				20010	Bottom capped with										
Formati	1	1	ı	ı		Casir	Casing Grout Placement method							1 .		
From	То	Color	Hardness		Formation description	Type Depth Top Depth Bottom Amo						Amount (vol/wt)				
260	264	Tan	Dense	<u> </u>	nedium to coarse	-				-						
				ļ	one with some fine gravel nd white shale with some	-					_					
264	280	Gray	Hard	ļ <u> </u>										<u> </u>		
oil shale						Pum	Pump Installation Date//									
						Type of pump ft										
						Pump	diameter		_ in	Rated	l capa	acity		GPM		
						Water Information Date / /								1		
						Static	Water Level	Pumping	Water Le	vel	Yie	d		Duration		
						ft		ft	t		_GPM		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																
			,	_ ☑ Ph	ysical explair	n:										
(use additional sheets as needed) Remarks (including depth of lost drilling fluids, materials, or tools)							emical explai	n:								
Trainal no (including depin or lost drilling fluids, materials, or tools)							Contractor									
							Contractor									
Well Use							Company Sargent Drilling									
Dome			blic supply	Address 2016 Industrial Park Road, Carroll, IA 51401												
☐ Heat pump ☐ Commercial ☐ Irrigation # of borehole(s) ☐ Monitoring ☐ Other							Driller Derek Schweitzer Certification no. 8338									





DNR Form 542-8170