WELL RECORD 64888 PWTS Permit N

lowa Department of Natural Resources Geological Survey Bureau 109 Trowbridge Hall Iowa City, la. 52242-1319 PH (319) 335-1575

Charlest Services

PWTS Well No.:	_	_	_	_	County Permit No 2006-680W PWSID 52
					The state of the s

Site identification					Drill metho	od [	rotary	📆 auger	ারী cable	othe	er				
Property Owner: Ambrose, Harry - Longview Estates Other ID:						Hole size				1					
Address 184x Curtis Bridge Rd NE, North Liberty IA 52317						17 inch	from	Qπ	t <u>46</u> ft	8 1	nch froi	m 252	fl t	455 ft	
Tenant							12 inch	from	_ 46 Ո		I	nch fro		ft t	ft.
Well Depth: 455 ft Date Completed: 6/9/2008						Casing	Driv	ve shoe (yes		ss adaptor (yes					
Location County JOHNSON COUNTY HEALTH DEPT.					Size (ID/OD		Type/ Wi	•		Depth t	ottom .	Amoui	nt (length)		
mi	. N and	mi.	E, of int	ersection	of a	nd	12	<del></del>	STEEL .0	<u>_</u>	<del></del>	6		52	n (longor)
mi. N andmi. E of intersection of and							8	ID	STEEL .3	22 2	- 2	252	<del></del>	254	
**							<u> </u>	+-							
GPS Coordinateds (NAD83 datum only) decimal degrees:															
N. Latitude W. Longitude.							Porformtod								<del></del> -
Show exat location of well in section grid with a dot (+), sketch map of well location on property.						Perforated				Perforat		-	iotted		
N						Perforate	-	Slotted	fron		A			ft	
N						Perforated Slotted from ft t ft									
						Casing grouted?  Grouted Placement method: HALLIBURTON									
W E					Туре		D	pth top	<del></del>	bottom		nount (	vol/wt)		
-		إ	1			į	BENTONIT	E	ļ		]		<sup>46</sup> 12 E	BAGS	
L			]		200 ft		CEMENT				<u> </u>	2	52 120	BAGS	3
	s				200 11		Well Scree	n?	☐ Scr	een					
uplar	nd   hill	side 🗸 v	alley 🔢	evel surface	e Elevation (if kno	wn)	Diameter	Slo	t size	Depth top	Depth bott	om <sub>t</sub>	Lenght	, M	aterial
		· · · · · · · · · · · · · · · · · · ·													
	ition log														
From 0	To 10	Color YELLOW	Hardness		n description		Bottom Cappo	ed [	] with						
19		YELLOW		SAND			Seals/Packers kind depth								
37			<u> </u>				Gravel packer	ط ل	from			to			n
		BLUE		CLAY					type						"
46		YELLOW		LIMESTON		·						amoun	· · · · · · · · · · · · · · · · · · ·		
65		GREY	ļ	LIMESTON			Well devel	oped	7 🖳	Well Develop	ed				
90	98		<u> </u>		IE W/SHALE		Explain								
98		GREY	ļ	UMESTON			pumped	🗹 air	rlifted 🔲	bailed for	2	hrs at	<u>100</u>		GPM
180				DEVONIAN	LIMESTONE		Pump inst	alled?	?   P	ump installe	1		Date	<del></del>	
190	200			LIMESTON	IE W/SHALE		Installer's Nar	ne							
200	210	GREY		UMESTON	E W/BROWNLINE		Type of Pump				Depth to	Intake			
210	233	BROWN		UMESTON	E W/GREENSHALE		Pump diamete	er		Ra	ted Capacity				GPM
233	448	GREY		SILURIAN	LIMESTONE		Water info	m oti	on [	Candle			10		
448	452	BROWN		UMESTON	E						Limes		_		
452	455	GREEN		SHALE			Main water-su Static water le		_	1 <u>52</u> It low/above) GL	to <u>450</u>	n fi enitie	seepag E-lin	_	estimate
							Pump water le		180 ft (be	-	Lape [	_			estimate
Remarks (including depth of lost drilling fluids, materials, or tools)				At yield of 100 GPM; Orifice Volumetric Estimate for 2 hours											
					Measurement	taken a	at <u>5:(</u>	00:00 PM		Da	ate	6/9	/2008		
					Water qual	ity te	st?			Da	ate				
Well use Heat Pump Commercal						Tested by		_							
Domestic Municipal Monitoring					Contractor nar	me G	INGERICH	WELL PUR	AP SERVICE	LLC					
Livestock Public Supply Other Test Well Irrigation					Adress 1331 HWY 1, KALONA, IA 52246										
							Driller KLIN	GIN	GERICH		Certif	cation n	o. <u>2639</u>		İ