63039

PWTS Permit No. 2004-559W County Permit No.

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

WELL RECORD PWTS Well No.

Site id	Drill method □ rota			y 🗆 a	auger [□ cable	other	Reverse							
Property	Hole size hole size continued														
Address_	_20_inch	from _		40_ft	in	ch fron	n ft	toft							
Tenant	inch	fuom	4 .	4											
Well Depth 42 ft Date completed 02 / 16 / 06							inch fromft toft inch fromft toft Record all depth measurements from ground level (GL). Use (+) for above GL measurements.								
Locatio	Casing Drive shoe (yes no) Pitless adapter (yes no)														
<u>1/4</u> mi	Size (ID/OD)	_	Type / Wt	_	n top	Depth	_	Amount (length)							
	12" 0.375'		0.375"	3'		28	3 '	31'							
_ NW _1		_													
GPS Coord				-											
		N.	Latitude	<u>-</u>		W. Longitude.									
Show exac	Perforated or slotted casing? (yes no														
_	Perforated / slotted fromft toft														
	Perforated / slotted fromft toft														
	Well #9							Casing grouted? (yes) no) Placement methodTremie						le	
W			-		Water [Туре		Depth	top	Depth	bottom	Am	ount (vol/wt)	
	- † †	+ -		300th	Plant D		Neat Cer	ment	5		1	L9'		1.5 cyd	
_	S		Τ.		200 ft				_						
□ upland □ hillside □ valley ☒ level surface Elevation (if known)							Well scre		_		i Doodh bod				
Formation log							Diameter	Slot		pth top	Depth bot		Length	Material	
From	То	Color	Hardness	1	Formation descri	ption	12"	0.10		28'	38'		10'	SST	
0	4	Black		Topso	il		2.11	0		- CCT	Dlata	Atta	ahod		
4	17	Gray		Med-c	oarse sa	nd-gravel	Bottom capped (yes) no) with SST Plate Attached Seals / Packers (yes) no) kind Bentonite depth 19-20							9-20 ft	
17	27	Gray		Mediu	m sand		~						10 ft		
27	32	Gray		Coars	e gravel		type Northern #3 amount 3 Tons								
32	42	Gray		Mediu	m-coarse	sand	Well developed? (es) no)								
42	45	Gray		Clay			Explain Surge block, bailer, rawhiding								
							pumped airlifted, bailed for4hrs at500GPM Pump installed? (yes) no) Date _08 / _23 / _06								
								Pump installed? (yes) no) Date 08 / 23 / 06 Installer's name Rodney Ray							
								Type of pump Submersible Depth to intake 35 ft							
								Pump diameter 8 " Rated capacity 600 GPM							
								Water information Aquifer: ⊠ sand / gravel ☐ limestone ☐ sandstone							
							Main water-supply zone from 9 _ ft to38 _ft □ seepage well								
	Static water level 8.5ft below above) GL; □tape □ airline ☑E-line □ estimate														
								Pumping water level 19.7 ft below GL; □tape □ airline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							
								At yield of <u>550</u> GPM; ⊠ orifice □ volumetric □ estimate for <u>72</u> hours							
use additional sheets as needed							Measurements taken at 4:00 (AM PM) Date 05/18/06								
Remarks (including depth of lost drilling fluids, materials, or tools)							Water quality test? (yes) no) Date tested 04 / 13 / 06								
	Tested by Clay Regional Water Association														
Well use															
□ Dome	Contractor Layne-Western														
☐ Livest☐ Test w	Address 5600 Gateway Drive, Suite B, Grimes, IA														
		_			1	Driller Duane Trask Certification no. 5509									