wa Departm	tent of Natura	I Resources - IA 52242-1319	- Geological S	Survey	3 3 8 WELL RE PWTS Well No.	CORD - Pag	ge 1 of	2 P Co	WTS Perr unty Perr	mit No. <u>2005</u> nit No	5-261W
	ntificatio					Drill method		otary 🗆 :	uger	🗆 cable othe	Br
			et Bra	nch. TA	Other ID Well #6	Hole size				continued	
• •					218		- 0 8	115H		4 nch from <u>623</u>	1120
_					.10						
		West B			d_08 / 12 / 05	<u>19</u> inch tro	m <u>116</u> ft	to <u>623 f</u> t	9- <u>7/8</u> t	1120 nch from	tt tott
weii Depu	1	<u>9ft</u>				Record all depth i	measurement	s from ground	evel (GL).	Use (+) for above	GL measurements.
Locatio	n	C	County C	edar		Casing		shoe (yes no		ess adapter (yes) no)	
L/64 mi.	Land 1/	16 mi Lotin	tersection of	Orange S	t and N Maple St	Size (IDOD)	Туре / W	······	h top	Depth bottom	
(5)	- (W)			TWP 79N RNG 4 E	20 ⁿ	0.375		<u>)</u>	116'	116'
"	4 61 016 <u></u>	<u> </u>	,,,,,			14"	0.500)	623'	623'
GPS Coord	nates (NAD83	datum only) de	ecimal degrees	5:		10-3/4"	0.365	6	23'	1120'	497'
	-·	N. L	atitude _	'	W. Longitude.		L				
Show exact	location of we	l in section art	d with a dot (🖷). Sketch mao	of well location on property.	Perforated (-	\sim		
	N				1	Perforated / slotted fromft toft					
Γ			T W	e <u>st Oran</u>	ge Street N	Perforated / slotted fromft toft					
-		+-	 8	_		Casing grouted? (yes) no) Placement method Pressure					
w		╶╂╼╼┦╚┊		0	• Well	Туре		Depth top	Dept	h bottom /	Amount (vol/wt)
-	- + +	╅╌┥	Wat Tow	er O		Neat Ceme	nt	0	1	116'	56 cyd
L	<u> </u>		1	L	200 ft	Neat Ceme	nt	0	1	120'	combined
				Touris of Afleneum		Well screen	? (yes (no	$\overline{)}$			
			versuriace c	Elevation (if known	/	Diameter	Slot size	Depth top	Depth L	ottom Length	Material
Format	ion log To	Color	Hardness	l Form	ation description		0				
	68	Red	Tialaitos	Clay			0	l	<u> </u>		
0						Bottom capped	(yes / no)	with			
68	103	Gray		Clay		Seals / Packers (yes / no) kind depthtt					
103	443	White		Limestone		Gravel packed (yes/no) fromft toft					
443	633	Gray		Shale				type		amount_	
633	693			No Return		Well developed? (VES) no) Explain Airlift pumping after drilling					
693	838	Brown		Limestone		(pumped airlifted, balled) for <u>4</u> hrs at <u>500+</u> GPM					
838	918	Gray		Limestone		Pump installed? yes no Date 09 / 12 / 05					
918	943		lack/re	d Limes	Installer's nameRodney_Ray						
943	993		e/gray Limestone			Type of pump Submersible Depth to intake 512' ft					
993	1058	Gray		Lime/shale/sandstone		Pump diameter 7" Raled capacity 500 GPM					
1058	1068	Brown		Limesto	· · · · · · · · · · · · · · · · · · ·	Water infor	mation	Aquifer:	🗆 sand / g	pravel 🖸 timestor	ie 🛛 sandstone
1068						Main water-suppl	ly zone from	<u>1178</u> f	to_15		age well
	1178	Gray		Lime w/white sand		Static water level 301 the below above) GL; the claim time to the claim ate					
1178	1268	Gray	L	Limestone		Pumping water level <u>310</u> ft below GL; Dtape Dairline ZE-line Destimate					
1268	1278	White		Limesto	ne	At yield of 50	<u>) 0 </u>	20 ortfice	olumetric	estimate for _	18_hours
_				additional sheets as		Measurements ta	ken at <u>9</u>	<u>: 00 (</u>	(MPM)	Date _ 09	/ 14 / 05
Remar	KS (includin	g depth of lost	l drilling fluids	s, materials, or to	pols)	Water quali				Date tested 0	8 / 04 / 05
Well us	8	🗆 Heat	0.800	🗆 Comm	ercial	Contractor Layne-Western					
Dorr		🖾 Mun	icipal	🖾 Monito	ring	Address 5600 Gateway Drive, Suite B, Grimes, IA					
Livestock Public supply Other Test well Infgation						Driller_Terry Heiliger/Stan Alwardt Certification no. 7320					

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Make photocopies for: Well Contractor, Customer, and County Health Department

Site identification	n		Drill method 🗆 rotary 🗆 auger 🗆 cable other
roperty Owner Ci	ty of West B	ranch Other iD Well #6	Hole size hole size continued
			inch fromft toînch fromft to
			inch fromft toft inch fromft to
Well Depth	ft	Date completed / /	
Location	Countr	······································	Record all depth measurements from ground level (GL). Use (+) for above GL measureme
			Casing Drive shoe (yes / no) Pitless adapter (yes / no) Size (ID/OD) Type / Wt Depth top Depth bottom Amount (len
		of and	
1/4 of the	1/4 of the1/	4 of SecTWPRNG ^E	
3PS Coordinates (NAD83	datum only) decimal degr	265:	
	•••	W. Longitude.	
			Perforated or slotted casing? (yes/no)
show exact location of we	A in section grid with a dot	 Sketch map of well location on property. 	Perforated / stated fromft toft
		N	Perforated / slotted fromft toft
┝╆┿	+ -	Ň	Casing grouted? (yes / no) Placement method
w	-∔E ≝		Type Depth top Depth bottom Amount (volVet)
┝┶┿	-∔		
		<u> </u>	
		200 tt	Well screen? (yes/no)
upland 🗆 hiliside (valley 📋 level surface	Elevation (If known)	– Diameter Slot size Depth top Depth bottom Length Mater
ormation log			0
From To	Color Hardness	Formation description	0
1278 1323	Gray	Limestone w/sand	Bottom capped (yes/no) with
1323 1503	Gray/tan	Sandstone	Seats / Packers (yes / no) kind depth
1503 1519	Gray/tan	50/50 Sandstone/lime	Gravel packed (yes / no) fromft to
519 1579	Gray/tan	Sandstone	typə amount
			Well developed? (yes/no)
			— Explain
			(pumped, atritted, balled) forhrs at GPM
			Pump installed? (yes/no) Date / / /
			Type of pump Depth to intake Pump diameter Rated capacity
			Water information Aquifer: 🗆 sand / gravel 🗆 limestone 🗆 sandsto
			Main water-supply zone fromft toft 🗔 seepage well
	<u> </u>		Static water levelft (below / above) GL; □tape □ airline □E-line □ estimat
	<u> </u>		Pumping water levelft below GL; 🛛 tape 🗅 airline 🗅 E-line 🗇 estimate
			At yield of GPM;
	l	e additional sheets as needed	Measurements taken at; (AM / PM) Date / / /
Remarks (includin	g depth of lost drilling flu	ids, materials, or tools)	Water quality test? (yes / no) Date tested / /
			Tested by / /
Well use		· · · · · · · · · · · · · · · · · · ·	
	🗆 Heat pump	Commercial	Contractor Layne-Western
Domestic	Municipal	🔲 Monitoring	Address 5600 Gateway Drive, Suite B, Grimes, IA

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