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

Site identification						Drill method rotary auger cable other Reverse.							
						Hole size hole size continued							
Property Owner City of Ida Grove Well Number 7 Grest) Address Ida Grove, IA						26 inch from 0 ft to 66ftinch fromft toft							
Tenant													
Well Depth 66'-2" ft Date completed 6 / 24 / 02						inch fromft toftinch fromft toft							
	Record all depth measurements from ground level (GL). Use (+) for above GL measurements.												
Location County Take					Casing Drive shoe (yes/no) Pitless adapter (yes/no)								
1/2 mi.	Size (ID/OD)	-	pe/Wt 62.58	Depth			Amount (length)						
<u>sw</u> 1	16		61.30			46	41						
Show exact I	16"	Pitles	ss Unit	r w/	5' bus	У							
				•	-								
	Perforated or slotted casing? (yes (1)												
W	Perforated / slotted fromft toft												
<u> </u>						Perforated / slotted fromft toft							
S 200 ft						Casing grouted? (yes no) Placement method Tremie pipe							
upland hillside valley Elevation (if known)					Type Depth Top		Тор	Depth bottom Amount (vol/wt)					
	Formation log			Bentonite Seal		31		41		.8 yo3			
From	То	Color	Hardness	Formation description	Neat cen	nent	8		31	31			
6	17	Black		Clay	Well scre	en? (Q	es/no)						
17	23	Brown		Clay	Diameter	Slot s		th Top	Depth Bottom	1	Material		
23	48			Course sond + gravel	16"	0.07		46	66	20	S.S.		
48	66			Gravel w/ boulders		0							
						Bottom capped (yes/no) with							
					Gravel packed (yes/no) from 41 ft to 66 ft type NGC#2 amount 4 Ton Well developed? (yes/no) Explain Surge + bailed, Step tested w/pump Qumped airlifted, bailed) for 8 hrs at various GPM. Pump installed? (yes/no) Date 9 / 23 / 02								
											ump		
											123/02		
		Installer's name kelley											
											52 ft		
						Pump diameter 9 Rated capacity 500 GPM							
							Water information Aquifer: ⊠ sand / gravel ☐ limestone ☐ sandstone						
					Main water-supply zone from <u>H6</u> ft to <u>66</u> ft □ seepage w						age well		
							Static water level <u>26</u> ft (below) above) GL; ⊠tape □ airline □ E-line □ estimate						
					Pumping water level <u>38.5</u> ft below GL; tape airline E-line estimate At yield of <u>369</u> GPM; Sorifice volumetric estimate								
use additional sheets as needed						Measurements taken at <u>8:00 (AMY PM)</u> Date <u>6/27/02</u>							
Remarks (including depth of lost drilling fluids, materials, or tools)					Water quality test? (restance) Date tested 7 / 29 / 02 Tested by R Brown								
Well us	Contractor	Contractor Layne-Western											
☐ Domestic					Address 5600 Gateway Drive, Suite B, Grimes, IA Soil								
☐ Test well ☐ Irrigation ☐ Other					Driller A. Sherman Certification no. 40647								