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 Cassian							
Property Owner Des Moines Wate Work Well Number CW-4						Hole size hole size continued						
Address	22011	Valley	Drive, 1	Dos Moines, To. 50321-119	0 16 inetr	from 0_ft	399	ft	inch f	fromft	to ft	
Tenant_					inch	from ft	to	4	inch 6	rom 4	40 4	
Well Depth 39,75 ft Date completed 11/16/99					inch fromft toftinch fromft toft Record all depth measurements from ground level (GL). Use (+) for above GL measurements.							
Locatio	n		County	Polk	Casing						measurements.	
37 mi. and 8 mi of intersection of Rd. w. and I355.						Type /	ive shoe (yes / Wt [no) Pi Depth top	tless adapte	er (yes / no) h bottom	Amount (length)	
		o mi of i	ntersection of	13/16	1 Concr	de 8	35.67		5.92			
	/4 of the			of Sec 30 TWP 78N RNG 25WE								
Show exact	location of wel	I in section grid v	with a dot ().	Sketch map of well location on property.				1, 75				
Γ	T		T	N								
	-++	+-	00	Perforated or slotted casing? (yes 160)								
W		E	Ē	Perforated / slotted fromft toft								
	-++	+-		Perforated / slotted fromft toft						ft		
S 200 ft						outed? (y	es / no)	Placem	ent metho	d Tren	nie -	
□ upland	☐ hillsi	de va	lley Elev	Туре		Depth Top	Dep	oth botto		mount (vol/wt)		
Format	ion log			Bentunit	e							
From	То	Color	Hardness	Formation description								
0	5	13-	SAFF	Brown Sand	Well scre	en? (yes/r	10)					
5	X	L+/Gray	Soft	Fine - Coarse Sand	Diameter	Slot size	Depth T	op Depth	Bottom	Length	Material	
2	26			W/Grave)	9.625	0				960'	S.S.	
26	29	LHGrax	Hard	Lorge Grove		0		c- 0) /			
29		Blue	Hond	Weathered shale		d (ves/no)	with c	SS PI	ate			
0 (Trace provided swice					(yes/no)		`	ft	depth	π ft	
					type amount							
					Well developed? (Jes) no) Explain School by Pumpyh 9 (pumped, airlifted, bailed) for 336 hrs at 500 GPM.							
						Pump installed? (ves/no) Date 4 / 12/00						
						Installer's name thorry Buton Type of pump Turbine Depth to intake 41 ft						
						Type of pump 100 bine Depth to intake 41 ft Pump diameter 20" Rated capacity 3400 GPM						
					Pump diamete	er_20	Rated	capacity	3	100	GPM	
						ormation		-			sandstone	
					A STATE OF THE PARTY OF THE PAR	upply zone fr						
											-line □ estimate	
					Pumping water	er level	25 below	GL;	□ tape [airline 4 E	-line estimate	
					At yield of _	OOO GP	M; □ orifice	volumetr	ic esti	mate		
use additional sheets as needed						Measurements taken at : (AM / PM) Date//						
Remar	'KS (includi	ng depth of los	st drilling fluids	s, materials, or tools)	Water qu Tested by	ality test?	(yes/no)		Date	tested	//	
Well use /						0	11	T:- C				
☐ Domestic					Contractor	Meyn	olds,	A CONTRACTOR OF THE PARTY	~	+ 1	2452	
☐ Livestock ☐ Public supply ☐ Monitoring ☐ Test well ☐ Irrigation ☐ Other ☐					Address T	0,150	5 T			T). 4	1752	
			A PINE OF	(explain)	Driller #	arry	SUM	M	(Ser tification r	10.70502	