70895

Permit No. 2009-015W

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

WELL RECORD

103 ILOMOL	idge Hall Iowa	City, Ia. 5224	42-1319 P	H (319) 335-1575									
Site id	entification	1.				Drill metho	d 🕅	otary 🖸	auger []cab	e othe	Rev	verse	
Property	OwnerW	ater Wo	orks	Well Nurr	1ber <u>35-08</u>	Hole size				ize continued			
Address	211 Sou	ith First	Street	-		40 inch fr	mt	to 4			ft	to	R
Tenant_Oskaloosa, Iowa 52577									inch from			- 1	
Well De	pth <u>47</u>	H	Date Compl	eted <u>09 / 1</u>	7 09). Use (+) lor ab			
Locat	ion	County	Maha	aska		Casing	Dri	ive shee (yes (no)	Pilless adap	or (yes (no	
m	i. ^N and	mi. ^E of	intersection	ofan	d		Type / \	Wt	Depth top	Depth b	ottom	Amount (I	ength)
5W 1	4 of the <u>NW</u>	1/4 of the <u>5</u>	<u>E_1/4</u> of S	Sec _ 25 TWP 671	NRNG 16	24" OD	1/2 wa 140 lbs		+17	32		49	
					U								
Show exact location of well in section grid with a dot (•). N Sketch map of well location on property N W Highway E E E I O I O I O I O I O I O I O I O I				Perforated or slotted casing? (yes(no) Perforated / slotted fromft loft Perforated / slotted fromft toft Casing grouted? (yes) no)									
L	S			200 ft		Type		Depth	Too De	oth Bottom		Amount	
Uplan		🗋 valley	Flor	vation (If known)	······································	Neat Cerr	ent	5		13'	~ <u></u>	ards	
	ation log			valion (il known)		Theur Cen				15	<u></u>	11.02	
From	1 To	Color	Hardness	Formation	description	Wall para	en? (yes) n	<u> </u>				<u> </u>	
0'	5'	Blk		Blk top soil		Diameter ,	Slot size		Top Dept	h Bottom	Length	Mat	lerial
5'	15'	Red		Sandy Clay		24"	.070	I		47'	15		SS
15'	20'	Brown		Sandy sma				1		1/	10		00
20'	44'	Gray		Sandy sma		Bottom capor	ed (ves) no) with	24" 55	plate			
44'	46'			Small to m		-	ers (yes / no			g dep	th 13'	- 14'	ft
				with cobbl		Gravel packe	d (yes) no			ft to			ft
46'	47'			Limestone		-	\bigcirc	type	#2 well	pack am	ount 24	4,000 l	bs.
	1 7/			LINESTONE	······································	Well deve	eloped? ((es ()ho)		0	super	sacks	
							ouble dis						
						-							
						Dump in	stalled? (y			Date	5 /	5/2	2010
						`							.010
]				Pump Con			
						_				Depth to intai			
maxeesa ika, ika	·									pacity			
									,	/gravel 🗔 lim		() sandsto	one
										to <u>47</u>			
		<u>↓</u>								ft (below) at			
		ļ			-	Pumping wa	ater level2) tape 🗆 airli	ne 🕅 E	line	
						At yield of §	<u>300_</u> GPM;	M orific	ieter ie 🗍volumel	ric Destimat	e Dat	e <u>2-25</u>	- <u>201</u> (
Rema	rks (includir	i	nal sheets as	ids, materials, or to	ois)	Tested by _	Taken by	y Wat	er Depar	ale tested tment			
						Test results			/				
Well (Contractor	Northu	WOV W/	ell and Pi	mp Comp	anv		
	omestic vestock	🔀 Mur	nicipal Nic Supply	Industrial Industrial		í				rion, Iow		02	
	est Well	□ Irrig		D Other	~								22
					(explain)	Driller	con curp	enter	1	Certific	cation r	10. 184	

70895

Northway Well and Pump Co.

4895 8th Avenue Marion, Iowa 52302 319-377-6339 1-800-747-6339 100 North 6th Street Waukee, Iowa 50263 515-987-4575 1-800-747-4575

WELL TEST DATA REPORT

Customer <u>City Water Works</u>		City Osk	aloosa, Iowa	
Location North Water Plant H	wy. 63	Well No.	35-08	
Size Casing 24"	Total Depth	47'	Construction Sta	inless Steel Screen
Make Pump <u>Goulds</u>	_ Model No14	4CHC /50 hp.	No. of Stages	2
Diameter12"	_ Total Setting _	35'	Air Line Length	35'
Meter Used Propeller - Sparling	Static Level	8.30 Gr	ound Level	

Measurements from G.L.

TEMP DISCHARGE

DATE	TIME	GPM	P.L.	D.D.	S.C.	P.S.I.	DESCRIPTION
2/24/10						36	Clear
PM	12:15	850	26.57	18.27	46.52	40	Clear
	12:22	800	25.70	17.40	45,97	40	Clear
	12:30	800	26.05	17.75	45.07	40	Clear
	12:45	800	26.20	17.90	44.69	40	Clear
	1:00	800	26.40	18.10	44.19	40	Clear
	1:15	800	26.50	18.20	43.95	40	Clear
	1:30	800	26.50	18.20	43.95	40	Clear
	1:45	800	26.60	18.30	43.71	40	Clear
	2:00	800	26.60	18.30	43.71	40	Clear
	2:15	800	26.70	18.40	43.47	40	Clear
	2:30	800	26.80	18.50	43.24	40	Clear
	3:00	800	27.00	18.70	42.78	40	Clear
	3:30	800	27.20	18.90	42.32	40	Clear
	4:00	800	27.24	18.94	42.23	40	Clear
	4:30	800	27,40	19.10	41.88	40	Clear
	5:00	800	27,50	19.20	41.66	40	Clear
	5:30	800	27.70	19.40	41.23	40	Clear
	6:00	800	27.75	19.45	41.13	40	Clear
	6:30	800	27.80	19.50	41.02	40	Clear
	7:00	800	27.90	19.60	40.81	40	Clear
	7:30	800	28.00	19.70	40.60	40	Clear
	8:00	800	28.10	19.80	40.40	40	Clear
	8:30	800	28.15	19.85	40.30	40	Clear
	9:00	800	28.20	19,90	40.20	40	Clear
	9:30	800	28.30	20.00	40.00	40	Clear
	10:00	800	28.40	20.10	39.80	40	Clear

Northway Well and Pump Co.

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WELL TEST DATA REPORT

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Customer <u>City Water Works</u>	City Oskaloosa, Iowa
Location North Water Plant Hwy. 63	Well No. 35-08

						TEMP DISCHARGE
TIME	GPM	P.L.	D.D.	S.C.	P.S.I.	DESCRIPTION
10:30	800	28.3	20.0	40.00	40	Clear
11:00	800	28.2	19.90	40.20	40	Clear
11:30	800	28.1	19.80	40.40	40	Clear
12:00am	800	28.0	19.70	40.60	40	Clear
12:30	800	28.0	19.70	40.60	40	Clear
1:00	800	27.95	19.65	40.71	40	Clear
1:30	800	27.95	19.65	40.71	40	Clear
2:00	800	27.90	19.60	40.81	40	Clear
2:30	800	27.80	19.50	41.02	40	Clear
3:00	800	27.80	19.50	41.02	40	Clear
3:30	800	27.75	19.45	41.13	40	Clear
4:00	800	27.70	19.40	41.23	40	Clear
4:30	800	27.70	19.40	41.23	40	Clear
5:00	800	27.70	19.40	41.23	40	Clear
5:30	800	27.70	19,40	41.23	40	Clear
6:00	800	27.65	19.35	41.34	40	Clear
6:30	800	27.65	19.35	41.34	40	Clear
7:00	800	27.72	19.42	41.19	40	Clear
7:30	800	27.80	19.50	41.02	40	Clear
8:00	800	28.05	19.75	40.50	40	Clear
8:30	800	28.20	19.90	40.20	40	Clear
9:00	800	28.30	20.00	40.00	40	Clear
9:30	800	28.40	20.10	39.80	40	Clear
10:00	800	28.45	20.15	39.70	40	Clear
10:30	800	28.50	20.20	39.60		Clear
11:00	800	28.50	20.20	39.60	40	Clear
11:30	800	28.55	20.25		40	Clear
]		1	
	10:30 11:00 11:30 12:00am 12:30 1:00 1:30 2:00 2:30 3:00 3:30 4:00 4:30 5:00 5:30 6:00 6:30 7:00 7:30 8:00 8:30 9:00 9:30 10:00 10:30 11:00	10:30 800 11:00 800 11:30 800 12:00am 800 12:30 800 12:30 800 1:00 800 1:30 800 2:00 800 2:00 800 3:00 800 3:30 800 3:30 800 4:00 800 5:00 800 5:30 800 5:30 800 6:00 800 7:00 800 7:30 800 8:30 800 9:00 800 9:30 800 10:30 800 10:30 800	10:30 800 28.3 $11:00$ 800 28.2 $11:30$ 800 28.1 $12:00am$ 800 28.0 $12:30$ 800 28.0 $12:30$ 800 27.95 $1:00$ 800 27.95 $2:00$ 800 27.95 $2:00$ 800 27.90 $2:30$ 800 27.80 $3:00$ 800 27.70 $3:30$ 800 27.70 $4:30$ 800 27.70 $5:00$ 800 27.70 $5:30$ 800 27.70 $5:30$ 800 27.65 $7:00$ 800 27.65 $7:00$ 800 27.72 $7:30$ 800 27.80 $8:00$ 800 27.80 $8:00$ 800 27.80 $9:00$ 800 28.20 $9:00$ 800 28.20 $9:00$ 800 28.30 $9:30$ 800 28.45 $10:30$ 800 28.50 $11:00$ 800 28.50	10:30 800 28.3 20.0 $11:00$ 800 28.2 19.90 $11:30$ 800 28.1 19.80 $12:00am$ 800 28.0 19.70 $12:30$ 800 28.0 19.70 $12:30$ 800 27.95 19.65 $1:30$ 800 27.95 19.65 $2:00$ 800 27.90 19.60 $2:30$ 800 27.90 19.60 $2:30$ 800 27.80 19.50 $3:00$ 800 27.70 19.45 $4:00$ 800 27.70 19.45 $4:00$ 800 27.70 19.40 $5:00$ 800 27.70 19.40 $5:30$ 800 27.70 19.40 $6:00$ 800 27.65 19.35 $7:00$ 800 27.65 19.35 $7:00$ 800 27.80 19.50 $8:00$ 800 27.80 19.50 $8:00$ 800 27.80 19.50 $8:00$ 800 27.80 19.50 $8:00$ 800 28.20 19.90 $9:00$ 800 28.30 20.00 $9:30$ 800 28.45 20.15 $10:30$ 800 28.50 20.20	10:30 800 28.3 20.0 40.00 $11:00$ 800 28.2 19.90 40.20 $11:30$ 800 28.1 19.80 40.40 $12:00am$ 800 28.0 19.70 40.60 $12:30$ 800 28.0 19.70 40.60 $12:30$ 800 27.95 19.65 40.71 $1:30$ 800 27.95 19.65 40.71 $1:30$ 800 27.95 19.65 40.71 $2:00$ 800 27.90 19.60 40.81 $2:30$ 800 27.80 19.50 41.02 $3:00$ 800 27.70 19.45 41.13 $4:00$ 800 27.70 19.40 41.23 $5:00$ 800 27.70 19.40 41.23 $5:00$ 800 27.70 19.40 41.23 $5:30$ 800 27.75 19.35 41.34 $6:00$ 800 27.75 19.35 41.34 $7:00$ 800 27.75 19.42 41.23 $6:30$ 800 27.75 19.40 41.23 $6:00$ 800 27.80 19.50 41.02 $8:00$ 800 27.80 19.50 41.02 $8:00$ 800 28.40 20.10 39.80 $10:00$ 800 28.30 20.00 40.20 $9:00$ 800 28.40 20.10 39.80 $10:00$ 800 28.50 2	10:30 800 28.3 20.0 40.00 40 $11:00$ 800 28.2 19.90 40.20 40 $11:30$ 800 28.1 19.80 40.40 40 $12:00am$ 800 28.0 19.70 40.60 40 $12:30$ 800 28.0 19.70 40.60 40 $1:00$ 800 27.95 19.65 40.71 40 $1:30$ 800 27.95 19.65 40.71 40 $2:00$ 800 27.90 19.60 40.81 40 $2:30$ 800 27.80 19.50 41.02 40 $3:00$ 800 27.70 19.45 41.13 40 $4:00$ 800 27.77 19.45 41.13 40 $4:00$ 800 27.70 19.40 41.23 40 $4:30$ 800 27.70 19.40 41.23 40 $5:00$ 800 27.70 19.40 41.23 40 $5:30$ 800 27.70 19.40 41.23 40 $6:00$ 800 27.65 19.35 41.34 40 $7:30$ 800 27.80 19.50 41.02 40 $8:30$ 800 28.20 19.90 40.20 40 $9:00$ 800 28.20 19.90 40.20 40 $9:00$ 800 28.45 20.10 39.80 40 $10:30$ 800 28.50 2

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WELL TEST DATA REPORT

PAGE -3-

Customer <u>City Water Works</u>	City Oskaloosa, Iowa
Location North Water Plant Hwy 63	Well No. 35-08

							TEMP DISCHARGE
DATE	TIME	GPM	P.L.	D.D.	<u>S.C.</u>	P.S.I.	DESCRIPTION
2/25/10	12:00	8.00	28.50	20.20	39.60	40	Clear
	12:15	8.00	28.51	20.21	39.58	40	Clear
			C) 4 (1				
Deserver	12.16		SWL				
Recovery	12:16		16.24			0	
	12:17		14.25			0	
	12:18		13.10			0	
	12:19		12.60			0	
	12:20		11.40			0	
	12:25		11.03			0	
	12:30		10.75			0	
	12:35		10.65			0	
	12:40		10.55			0	
	12:45		10.46			0	
	1:00		10.35			0	
	1:15		10.24			0	
	1:30		10.10			0	
	2:00		9.78			0	
	2:30		9.51			0	
	3:00		9.30			0	
	3:30		9.25			0	
	4:00		9.22			0	
	4:30		9.19			0	
	5:00		9.16			0	