

Northway Well and Pump Co.

56433

4895 8th Avenue
Marion, Iowa 52302
Phone 319/377-6339
1-800-747-6339

CUSTOMER City of Ames, Iowa DATE 10/03/2001

Well No 8A Depth of Well 120' Well Top Size 16" Pitless

GPM _____ Static Level _____ Pumping Level _____

Size of Casing 16"

CONTROL

Make _____ Size _____ Model _____

Cable Size _____ Length _____ Breakers Size _____

MOTOR

Make Pleuger H.P. 20 Volt 460

RPM 1765 Type M8-340-4 Phase 3 Code-Date 09/24/2001

Frame 8" Ring Base 8" Serial 3338739001

Resistances

Wire to wire ----- ----- -----

Wire to ground ----- ----- -----

Running Voltage ----- ----- -----

Running Amps ----- ----- -----

PUMP

Turbine Submersible X

Discharge Head: Make Monitor Size 16"

Type Pitless Serial

Headshaft: Dia. Length

Lower Drive Size

Column 6" x 97' Shaft Material

Bowl: Make Flowserve Model 10EML Stage 3

Size 10" Imp Full Material C.I.

Step Coup. x Strainer

Suction Dia. Length

Longest Length 21'

Total Setting 97'

GPM 450 TDH 135

Remarks: Pump had not been hooked up into the system when this report was made.

56833

WELL LOG RECORD

Drilled for City Water Works City Ames, Iowa

Location 1002 6th Street **County** Story **Well No.** 8A

Drilling method	Rev-Rot	Total Depth	120'	Aquifer	Sand & Gravel
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Drilling started 08/14/2001 Drilling Completed 08/16/2001 Static level 49'

G.P.M. 680 Pumping level form surface 63' Well development Surged

Hole size 42" inch from 0' to 8' finished 30" inch from 8' to 120'

CASING AND SCREEN RECORD

Size (ID/OD)	Depth top	Depth bottom	Amount (length)	Type/Wt
16" OD	98'	120'	22'	.065SS Johnson screen
16" OD	6'	98'	92'	.375 wall steel casing
16"	+2'	6'	8'	Monitor Pitless unit
#2	26'	120'	20.32 tons	Northern Gravel
Seal	21'	26'	18 cf	Bentonite chips
Grout	6'	21'	2.5 yards	Cement Grout

FORMATION LOG

[illegible]

Northway Well and Pump Company

WELL TEST DATA REPORT

Customer City Water Works City Ames, Iowa
 Location 1002 6th Street Well No. 8A
 Casing Size 16" Total Depth 120' Construction Gravel Pack
 Pump Make Crown Model 9L800 No. of Stages 4
 Diameter 8" Total Setting 99' Air Line Length 99'
 Static Level 49' Meter used 6" Samples Taken 09/11/2001

Date	Time	GPM	Pumping Level	Draw Down	Specific Capacity	Discharge Description
09/11/01	6:00am	0	49'			
	6:05	450	56'	7'	64.28	Clear
	6:10	450	57'	8'	56.25	
	6:15	450	57'	8'	56.25	
	6:20	450	57'	8'	56.25	
	6:25	450	58'	9'	50	
	6:30	450	58'	9'	50	
	6:45	450	58'	9'	50	
	7:00	450	58'	9'	50	
	7:15	450	58'	9'	50	
	7:30	450	58'	9'	50	
	7:45	450	58'	9'	50	
	8:00	450	58'	9'	50	
	8:15	450	58'	9'	50	
	8:30	450	58'	9'	50	
	8:45	450	58'	9'	50	
	9:00	450	58'	9'	50	
	9:15	450	58'	9'	50	
	9:30	450	58'	9'	50	
	9:45	450	58'	9'	50	
	10:00	450	58'	9'	50	
	10:01	680	63'	14'	48.57	
	10:05	680	63'	14'	48.57	
	10:10	680	63'	14'	48.57	
	10:15	680	63	14'	48.57	
	10:30	680	63	14'	48.57	
	10:45	680	63	14'	48.57	
	11:00	680	63	14'	48.57	