Cahoy

Well And Pump Service
Municipal Industrial
Irrigation Residential

411 E. Main Street
P.O. Box 309
Fredericksburg, IA 50630-0309
563-237-5361
FAX 563-237-6517

P.O. Box 72
200 Grant Street
Marne, IA 51552
712-781-2030
FAX 712-781-2032

WELL TEST DATA SHEET

CLIENT: Pomeroy, IA

WELL: # 2

DATE: 09/12/2011

TESTED BY: Lloyd Wurzer

PUMP MODEL: Goulds 6CHC

AIRLINE LENGTH: 84'

DIAMETER: 8

ORIFICE SIZE: Through System

DEPTH OF WELL: 131'

MOTOR: 15HP Franklin

STATIC WATER LEVEL: 46'

GENERATOR USED: YES **NO** GNI-1 GEN-2

BEGIN HOURS: END HOURS:

STEP-RATE TEST CONSTANT RATE TEST

PRE-TREATMENT POST –TREATMENT

MEASUREMENT TAKEN FROM THE TOP OF THE WELL CASING WHICH IS 14" FROM EXISTING GROUND/FLOOR LEVEL.

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PUMP INSTALLATION RECORD

Customer:	Pomeroy, IA
Date:	09/14/2011
Contact:	Scott Slawson
Location:	Center of Ontario St.

WELL INFORMATION:

Well: 2	Dia: 8"	Depth: 131'
Static Water Level:	46'	
Screened Well:	No	
If yes from:	N/A	To: N/A
Screen Material:	N/A	
Liners:	No	
If yes from:	N/A	To: N/A

DISCHARGE:

Type:	4" Tee
Above	Below-Ground
Flange Size:	4"
If Pitless Casing Size:	
O-ring Size:	
Model#:	

AIRLINE AND WATER METER:

Air Line Length:	85'	
Material:	Toro	
Does it Work:	Yes	
Water Meter:	Yes	
Mfg:	Water Specialty	
Size:	4"	
Does it Work:	Yes	

SUBMERSIBLE INSTALLATION ONLY:

Dia. Of Motor:	6"	Cable Size:	6-3
No. of Check Valves:	1	Jacketed:	Yes
Rated Voltage:	230 3 Phase	Size:	4"
RPM:	3450	Type:	80 DI
HP:	15	Rated Amperage:	41.6
Date Code:	111319	Mfg:	Franklin
Model :		Serial #:	11B19-10-06059A
		Amps:	38/38/37

MEGGER CHECK RESULTS:

Cable Leads-Windings:	OK	OK	OK
Cable Leads-Ground:	OK	OK	OK
Motor Leads-Windings:	OK	OK	OK
Motor Leads-Ground:	OK	OK	OK

PUMP END & COLUMN PIPE:

Mfg:	Goulds	Model:	6CHC				
# of Stages:	3	Dia:	6"				
Serial #:	ME 5937	Date Code:	Sept 1 2011				
Discharge Size:	4"	Material:	CI				
Column Pipe Size:	4"	Length:	21'			# of:	4
Total Pump Setting:	84'	Rated Capacity:	210	GPM@	200	TDH	

Tubing Size:		
Length:		
Coated:	Yes	No
# of:		

BEARING RETAINERS:

Spider Brgs:		
Drop In:		
Screw In:		
Comb Cplgs:		
Thickness:		
Material:		

RUBBER BEARINGS:

Length:		I.D.:	
O.D.:		Lips:	
Length Between lips:			

Bypass in pump house for test pumping
Bypass Flange Size:

FIELD CREW RECOMMENDATIONS:

Change Column Pipe	Yes	# of:	4 / 84'
Line shaft	No	# of:	
Sleeves	No	# of:	
Spider Bearings	No	# of:	
Packing Gland Bearing	No	# of:	
Packing Shaft	No	# of:	
Motor Shaft	No	# of:	
Discharge Gasket	Yes	Size:	4"
Suction Pipe	No	#of:	
Oil Tubing	No	# of:	
Sub Cable	Yes	# of:	All
Motor	Yes	# of:	
Check Valve(s)	Yes	# of:	One
Air Line and Fittings	Yes	# of:	
Altitude Gauge	Yes	# of:	
Bail Well	No	# of:	
Treat Well	No	# of:	
Televise Well	No	# of:	

Name of Crew:	Lloyd Wurzer and Ben Benter
Comments:	Installed New System

TIME	GPM	Air gauge	Pumping Level	Draw Down	Discharge PSI FEET	TDH	Spec Cap
6:48	188	30	54	10'	50/115.50	169.50	18.80
6:58	188	28	56	12'	50/115.50	143.50	15.66
7:03	187	28	56	12'	50/115.50	143.50	15.58

North #2

Well Owner:	Pomeroy
Well DNR #:	1030337
Well # or Name:	#2 North
WELL INFORMATION	
Year Constructed	1953
Borehole Dia. in formation(inches)	8"
Dia. Of casing/screen(inches)	no screen
Screen Length(feet)	NA
Total Depth(feet)	131
Original Static Level(feet)	46'
Original Pumping Level(feet)	54'
Original Pumping Rate(gal/min)	190-210 gpm
Orign. Specific Capacity(gpm/ft.)	15.58
Pump Column Setting(feet)	
Top of Screen(feet)	NA
Casing Point(feet)	
Pump Type	Submersable 15hp Franklin
Pumping conditions gpm @ TDH	

FORMULAS:	
Airline Length (ft) L =	85
Static Gauge(ft) SG	
Pumping Gauge(ft) PG	
Static Level(ft) SL =	L - SG
Pumping Level(ft) PL =	L - PG
Draw Down (ft) DD =	SG - PG or SL - PL
Specific Capacity =	GPM/DD

DATE	Static Gauge (SG)	Pumping Gauge (PG)	Static Level (SL)	Pumping Level (PL)	Draw Down (DD)	GPM	PSI	SPECIFIC CAPACITY
2-1-12	37	27	48	58	10	230	54	
3	37	27	48	58	10	228	55	
4	37	27	48	56	10	232	54	
5-1-12	37	26	48	59	11	230	56	
6-4-12	37	26	48	59	11	239	53	
6-11-12	37	26	48	59	11	230	54	
6-30-12	41	26	44	59	15	235	55	
7-30-12	41	26	44	59	11	230	53	
8-6-12	39	27	46	58	12	230	54	
8-13-12	39	29	46	56	10	236	53	
10-1	36	26	49	59	10	240	54	
2 4-13	39	28	46	57	11			
2 11-13	40	29	45	56	10			
2 18-13	38	29	47	56	9			
2 25-13	36	26	49	59	10			
4 1-13	40	29	45	56	11			
4 8-13	42	31	43	54	11			
4 15-13	43	35	42	50	8			
4 22-13	40	29	45	56	11			
4 29-13	37	29	48	56	8			

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#2 north

Well Owner:	Pomeroy
Well DNR #:	1030737
Well # or Name:	#2 north
WELL INFORMATION	
Year Constructed	1953
Borehole Dia. In formation(inches)	8"
Dia. Of casing/screen(inches)	no screen
Screen Length(feet)	NA
Total Depth(feet)	131
Original Static Level(feet)	46'
Original Pumping Level(feet)	54'
Original Pumping Rate(gal/min)	190 · 210
Orign. Specific Capacity(gpm/ft.)	15.58
Pump Column Setting(feet)	
Top of Screen(feet)	NA
Casing Point(feet)	
Pump Type	Submersible 15hp Franklin
Pumping conditions gpm @ TDH	

FORMULAS:	
Airline Length (ft) L =	85'
Static Gauge(ft) SG	
Pumping Gauge(ft) PG	
Static Level(ft) SL =	L - SG
Pumping Level(ft) PL =	L - PG
Draw Down (ft) DD =	SG - PG or SL - PL
Specific Capacity =	GPM/DD

DATE	Static Gauge (SG)	Pumping Gauge (PG)	Static Level (SL)	Pumping Level (PL)	Draw Down (DD)	GPM	PSI	SPECIFIC CAPACITY
6-3-13	31	24	54	61	7			
6-10-13	30	20	55	65	10			
6-17-13	40	30	45	55	10			
6-24-13	43	30	42	55	13			
8-5-13	39	30	46	55	9			
8-12-13	41	30	44	55	11			
8-19-13	41	30	44	55	11			
8-26-13	41	29	44	56	12			
10-7	40	30	45	55	10			
10-14	40	29	45	56	11			
10-21	41	30	44	55	11			
10-28	41	29	44	56	12			
12-2	41	30	44	55	11			
12-9	40	30	45	55	10			
12-16	40	28	45	57	12			
12-23	42	28	43	57	14			
12-30	40	30	45	55	10			

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north

Well Owner:	City Paincourt
Well DNR #:	1030332
Well # or Name:	#2 North
WELL INFORMATION	
Yar Constructed	1953
Borehole Dia. [ra fomation(inches)	8"
Dia. Of casing/screen(inches)	no Screen
Screen Length(feet)	N/A
Total Depth(feet)	131
Original Satic Level(feet)	46'
Original Pumping Level(feet)	54'
Original Pumpsing Rate(gal/min)	190 - 210
Orign. Specific Capchy(gpm/ft.)	15.58
Pump Column Setting(feet)	
Top of Screen(feet)	N/A
Casing Point(feet)	
Pump Type	Submersible 15hp Franklin
Pumping conditions gpm @ TDH	

FORMULAS:	
Airline Length (ft) L =	85'
Static Gauge(ft) SG	
Pumping Gauge(ft) PG	
Static Level(ft) SL =	L - SG
Pumping Level(ft) PL =	L - PG
Draw Down (ft) DD =	SG - PG or SL - PL
Specific Capacity =	GPM/DD

DATE	Static Gauge (SG)	Pumping Gauge (PG)	Static Level (SL)	Pumping Level (PL)	Draw Down (DD)	GPM	PSI	SPECIFIC CAPACITY
8-5-13	39	30	46	55	9			
8-12-13	41	30	44	55	11			
8-19-13	41	30	44	55	11			
8-26-13	41	29	44	56	12			
2-3-14	36	26	49	59	10	223	54	
2-10-14	40	30	45	55	10	224	55	
2-17-14	41	30	44	55	11	225	54	
2-24-14	41	31	44	54	10	225	55	
4-7-14	42	31	43	54	11	222	55	
4-14-14	42	31	43	54	11	220	54	
4-21-14	41	31	44	54	10	222	55	
4-28-14	40	30	45	55	10	220	54	
6-2-14	42	31	43	54	9	216	54	
6-9-14	42	30	43	55	12	220	55	
6-16-14	42	30	43	55	12	206	55	
6-23-14	42	30	43	55	12	217	54	
6-30-14	42	30	43	55	12	214	56	
7-6-14	42	30	43	55	12	210	56	
7-12-14	45	30	40	55	15	211	54	
7-21-14	41	30	44	55	11	218	55	
7-28-14	42	31	43	54	11	209	56	

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north

Well Owner:	City of Pomeroy								
Well DNR #:	1030337			FORMULAS:					
Well # or Name:	#2 North								
WELL INFORMATION				Airline Length (ft) L =	85'				
Year Constructed	1953			Static Gauge(ft) SG					
Borehole Dia. In formation(inches)	8"			Pumping Gauge(ft) PG					
Dia. Of casing/screen(inches)	no screen			Static Level(ft) SL =	L - SG				
Screen Length(feet)	NA			Pumping Level(ft) PL =	L - PG				
TOH Depth(feet)	131			Draw Down (ft) DD =	SG - PG or SL - PL				
Original Static Level(feet)	46'			Specific Capacity =	GPM/DD				
Original Pumping Level(feet)	540'								
Original Pumping Rate(gal/min)	190 - 210								
Orign. Specific Capcity(gpm/ft.)	15.58								
Pump Column Setting(feet)									
Top of Screen(feet)	NA								
Casing Point(feet)									
Pump Type	Submersible	15hp Franklin							
Pumping condition:gpm @ TDH									

DATE	Static Gauge (SG)	Pumping Gauge (PG)	Static Level (SL)	Pumping Level (PL)	Draw Down (DD)	GPM	PSI	SPECIFIC CAPACITY
8-4-14	44	30	41	55	14	213	56	
8-11-14	41	30	44	55	11	215	56	
8-18-14	41	30	44	55	11	216	56	
10-6-14	42	31	43	54	11	214	55	
10-13-14	41	30	44	55	11	212	56	
10-20-14	41	30	44	55	11	216	55	
10-27-14	41	30	44	55	11	204	55	
12-1-14	42	30	43	55	12	204	54	
12-15-14	41	30	44	55	11	214	55	
12-22-14	41	31	44	54	10	215	55	
12-29-14	41	31	44	54	10	210	54	

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