W#41485

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

WELL: # 1

DATE: 08/15/12

TESTED BY: Jeremy & Gary

PUMP MODEL: 6CHC Goulds

AIRLINE LENGTH: 74'

DIAMETER: 8"

ORIFICE SIZE: 4x3

DEPTH OF WELL: 147'

MOTOR: 230 15HP

STATIC WATER LEVEL: 41' ½"

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 1.5' FEET FROM EXISTING GROUND/FLOOR LEVEL.

STEP-RATE TEST Well # 1 08/15/12

TIME	PIZOM READING	GPM	Pumping Level	Draw Down	Spec Cap
10:55	15	153	48.4	7.9	19.37
11:00	16	158	48.4	7.9	20
11:05	16	158	48.4	7.9	20
11:10	22	186	51	9.5	19.58
11:15	22	189	51	9.5	19.58
11:20	22	189	51	9.5	19.58
11:25	28	209	52.2	10.7	19.53
11:30	29	213	52.2	10.7	19.91
11:35	29	213	52.2	10.8	19.54

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PUMP INSTALLATION RECORD

Customer:	Pomeroy
Date:	08/14/12
Contact:	Scott
Location:	In water plant

WELL INFORMATION:

Well: 1	Dia:8"	Depth: 147'
Static Water Level:	41'	
Screened Well:	N/A	
If yes from:	N/A	To:
Screen Material:	N/A	
Liners:	N/A	
If yes from:	N/A	To:

DISCHARGE:

Type:	Old Base
Above	Below-Ground
Flange Size:	4"
If Pitless Casing Size:	N/A
O-ring Size:	N/A
Model#:	N/A

AIRLINE AND WATER METER:

Air Line Length:	74'	
Material:	Toro	
Does it Work:	Yes	
Water Meter:	Yes	
Mfg:	Unknown	
Size:	Unknown	
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	Size:	4"
RPM:	3450	Type:	Flowmatic
HP:	15	Rated Amperage:	41.6 Max 47.4
Date Code:	12E	Mfg:	Franklin Electric
Model :	2366039020	Serial #:	12E19-23-06084A
Phases:		Amps:	

MEGGER CHECK RESULTS:

Cable Leads-Windings:	Ok
Cable Leads-Ground:	Ok
Motor Leads-Windings:	Ok
Motor Leads-Ground:	Ok

PUMP END & COLUMN PIPE:

Mfg:	Goulds	Model:	6CHC		
# of Stages:	3	Dia:	6"		
Serial #:	ME-605141	Date Code:	June 2012		
Discharge Size:	4"	Material:	CI		
Column Pipe Size:	4"	Length:	10'	# of:	7
Total Pump Setting:	N/A	Rated Capacity:	GPM@		TDH

W#41485

Tubing Size:	N/A
Length:	N/A
Coated:	N/A
# of:	N/A

BEARING RETAINERS:

Spider Brgs:	N/A	
Drop In:	N/A	
Screw In:	N/A	
Comb Cplgs:	N/A	
Thickness:	N/A	
Material:	N/A	

RUBBER BEARINGS:

Length:	N/A	I.D.:	N/A
O.D.:	N/A	Lips:	N/A
Length Between lips:	N/A		N/A

Bypass in pump house for test pumping
Bypass Flange Size:

FIELD CREW RECOMMENDATIONS:

Change Column Pipe		# of:	
Line shaft		# of:	
Sleeves		# of:	
Spider Bearings		# of:	
Packing Gland Bearing		# of:	
Packing Shaft		# of:	
Motor Shaft		# of:	
Discharge Gasket		# of:	
Suction Pipe		#of:	
Oil Tubing		# of:	
Sub Cable		# of:	
Motor		# of:	
Check Valve(s)		# of:	
Air Line and Fittings		# of:	
Altitude Gauge		# of:	
Bail Well		# of:	
Treat Well		# of:	
Televise Well		# of:	

Name of Crew:	Jeremy & Gary
Comments:	All new installation. Switched from turbine to submersible pump. Need to send him a 0-70 Alt.
	Gauge.

South W#41485

Well Owner:	Pomeroy
Well DNR #:	1030338
Well # or Name:	#1 South
WELL INFORMATION	
Year Constructed	1931
Borehole Dia. In Formation(inches)	8"
Dia. Of casing/screen(inches)	No screen
Screen Length(feet)	NA
Total Depth(feet)	147
Original Static Level(feet)	41 1/2
Original Pumping Level(feet)	52.2
Original Pumping Rate(gal/min)	240gpm
Orign. Specific Capacity(gpm/ft.)	19.54
Pump Column Setting(feet)	
Top of Screen(feet)	
Casing Point(feet)	
Pump Type	Submersable 15hp Franklin
Pumping conditions gpm @ TDH	

FORMULAS:	
Airline Length (ft) L =	74'
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
9-4-12		15		59		254	55	
11-5-12	30	20	44	54	10	250	54	
11-12-12	26	19	48	55	7	255	53	
11-19-12	25	16	49	58	9	260	52	
11-26-12	28	19	46	55	9	250	54	
3-25-13	28	20	46	54	8	240	54	
5-6-13	29	21	45	53	8			
5-13-13	32	22	42	52	10			
5-20-13	31	21	43	53	10			
5-27-13	31	20	43	54	11			
7-1-13	30	20	44	54	10			
7-8-13	30	21	44	53	11			
7-15-13	30	20	44	54	10			
7-22-13	30	20	44	54	10			
7-29-13	30	21	44	53	11			
9-2-13	31	20	43	54	11			
9-9-13	30	20	44	54	10			
9-16-13	30	22	44	52	8			
9-23-13	31	22	43	52	8			
9-30-13	31	21	43	53	10			

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SoW#41485

Well Owner:	Pomeroy							
Well DNR #:	1030338			FORMULAS:				
Well # or Name:	#1 South							
WELL INFORMATION				Airline Length (ft) L =	74			
Year Constructed	1931			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			
Total Depth(feet)	147			Draw Down (ft) DD =	SG - PG or SL - PL			
Original Static Level(feet)	41.5			Specific Capacity =	GPM/DD			
Original Pumping Level(feet)	52.2							
Original Pumping Rate(gal/min)	240							
Orign. Specific Capacity(gpm/ft.)	19.54							
Pump Column Setting(feet)								
Top of Screen(feet)								
Casing Point(feet)								
Pump Type	Submergable	15hp Franklin						
Pumping conditions gpm @ TDH								

DATE	Static Gauge (SG)	Pumping Gauge (PG)	Static Level (SL)	Pumping Level (PL)	Draw Down (DD)	GPM	PSI	SPECIFIC CAPACITY
11-4-13	30	20	44	54	10			
11-11-13	30	19	44	~~54~~ 55	~~10~~ 11			
11-18-13	31	21	43	55 53	10			
11-25-13	30	20	44	54	10			

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W#41485

Well Owner:	city of Ponca
Well DNR #:	103038
Well # or Name:	#1 South
WELL INFORMATION	
Year Constructed	1931
Borehole Dia. Information(inches)	8"
Dia. Of casing/screen(inches)	
Screen Length(feet)	no screen
Total Depth(feet)	147
Original Static Level(feet)	41.5
Original Pumping Level(feet)	52.2
Original Pumping Rate(gal/min)	240 Gal/per
Orign. Specific Capacity(gpm/ft.)	19.54
Pump Column Setting(feet)	
Top of Screen(feet)	
Casing Point(feet)	
Pump Type	Sub 15hp Franklin
Pumping conditions gpm @ TDH	

FORMULAS:	
Airline Length (ft) L =	74'
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
12-5-15	33	24	41	50	11	221	56	
1-12-15	33	24	41	50	11	223	55	
1-19-15	33	24	41	50	11	222	55	

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W#41485 South

Well Owner:	City of Pomeroy
Well DNR #:	1030338
Well # or Name:	#1 South
WELL INFORMATION	
Year Constructed	1931
Borehole Dia. Ins formation(inches)	8"
Dia. Of casing/screen(inches)	
Screen Length(feet)	10 Screen
Total Depth(feet)	147
Original Static Level(feet)	41.5
Original Pumping Level(feet)	52.2
Original Pumping Rate(gal/min)	240 GAL/MIN
Orign. Specific Capacity(gpm/ft.)	19.64
Pump Centerm Setting(feet)	
Top of Screen(feet)	
Casing Point(feet)	
Pump Type	Submersible 15hp Franklin
Pumping condition(gpm @ TDH	

FORMULAS:		
Airline Length (ft) L =	74'	
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
7-25-13	28	20	46	54	8	240	54	
1-20-14	29	22	45	52	7	229	53	
1-27-14	30	22	44	52	8	225	54	
3-3-14	32	23	42	51	9	224	52	
3-10-14	33	23	41	51	10	227	55	
3-17-14	32	23	42	51	9	228	55	
3-24-14	33	22	41	52	11	226	55	
3-31-14	32	23	42	51	9	219	50	
5-5-14	33	23	41	51	10	228	54	
5-12-14	32	23	42	51	9	228	55	
5-19-14	32	23	42	51	9	226	54	
5-20-14	32	23	42	51	9	213	53	
9-1-14	32	23	42	51	9	239	55	
9-8-14	32	23	42	51	9	228	53	
9-15-14	31	23	43	51	8	217	55	
9-22-14	33	25	41	49	8	220	56	
9-29-14	33	23	41	51	10	213	55	
11-3-14	33	23	41	51	10	217	54	
11-10-14	32	23	42	51	9	223	54	
11-17-14	33	23	42	51	9	227	55	
11-24-14	33	24	41	50	11	214	53	

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