SUBMERSIBLE PUMP INSTALLATION REPORT Layne-Western

JOB NAME:	City of Polk City		MOTOR OR GEAR DRIVE:				
Address:	112 Third Street, P.	O. Box 426	Make: Pleuger HP: 10				
City,State:	Polk City, Iowa 502		Speed: 3450 rpm Volts: 230				
,			Diameter: 6" Length: 24"				
DATE: 6/4/9	97	Job Completion	Serial # 3331399710				
N=		,	Amperes: 33 Volts: 230				
PUMP NO:	New	Repair	Megger Check: On Ground Installed In Well				
Pump Trouble:	Holes in old pump c	astings	Motor leads \sim				
PUMP SIZE			WELL:				
	DIAMETER	LENGTHS	No: 3 Year Drilled:				
Discharge	Above		Location: North of water treatment plant in park				
Column	Screw 4" Flange	1 x 13' 2 x 21'	Diameter: 10" Depth: 58'				
	12" Monitor		Measured from top of 12 " diameter pitless				
Pitless Unit 12" Monitor 10' bury Measured from top of 12 " diameter pi which is 2 feet above ground lev							
Column setting to bowl: 44 ft.			Tape to water: 31'				
			Airline length: 44' A.L. Material: ½" PVC				
BOWL:			Alline length. A.E. Material. 74 1 Vo				
Manufacturer: Grundfos			Static Gauge: 13' Static Level: 31'				
Diameter: Shaft Diameter:			Pumping Gauge:4'Pumping Level_40'				
Туре:	230S75 No. Stag	es: 2	Disch. Pressure: 23 psi when pumping into				
Bowl Length:	ength:18.9" Bowl Material: _SST system at195 gpm.						
Check valve in	column Yes / No	Size: 4"					
Submersible ca	able size: #6						
Special paint, coatings, zinc sleeves, etc:			INSTALLER: Joe Dooling/Edward Crowley				
			Rig Used: 12R Pump Rig				
r							
PUMP REPAI		ENDILLED	NEW PARTS INSTALLED				
CONDITION OF PUMP WHEN PULLED Column: Good			Column: 1 - 3" x 6" stainless steel nipple				
Column	G000		1 - 4" x 3" reducer coupling				
Bowl:	Holes deteriorated the the cast iron castings		Bowl: Grundfos, 230S75, 2-stage pump end				
Motor:	Good		Motor:				
Head:	Good		Head:				
MACHINE WORK:			1. DRAIN PORTS OPEN 2. CHLORINATE WELL Yes No				

3. ALIGN PUMP HEAD WITH DIAL INDICATOR

5. PUMP RUNS

4. GROUTED HEAD-BASE PLATE

Yes

Yes

Good/ Fair / Bad

No

No

PUMPING TEST REPORT

LAYNE-WESTERN

ORIGINAL SPECIFIC CAPA	<i>i</i> a	N/A		FOREMAN: DATE:	6/4/97	rig/⊏uwaru C	owiey
	******			DAIL.	0/7/0/		
ORIGINAL SPECIFIC CAPA	CITY:	KI/A		AIRLINE LEI	NGTH:	44'	
		IW/A		IN 19			

PUMPING TEST DA	ΤΔ _	AFTER	INSTALL	ING NEW	/ PIIMP	FND	
Orifice Size	Flow	Airline	Water	Draw	Disch.	Total Dyn.	Specific
4" x 3"	Rate	Reading	Level	Down	Press.	Head	Capacity
7 X 0	(GPM)	(FEET)	(FEET)	(FEET)	(PSI)	(FEET)	(GPM/FT)
Shutoff Head Reading:	0		37	0	49	150	
	88		38	7	41	133	12.6
	128		40.5	9.5	34	119	13.5
	207		44	13	22	95	15.9
STATIC WATER LEVEL:	31'		AVERA	GE SPECIFIC	CAPACIT	Y (gpm/ft):	14.0
Test Results/Recommenda significant amount of sand a operating together. We sus jetting action created throug	and/or gra pect that	vel pack beir this material	ng pumped in is coming ou	ut of the raw w	especially vater line a	when all threes s a result of t	e wells are he
Pump Operates (smooth, v	ibrates a	t high flow, e	etc.):	Smooth	*********		

					*******	\$\#5454545454545454545454545454	
Motor (seals, leaks, noise,	oil chang	je, etc.):		************	******		
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