Layne-Western

A division of Layne Christensen Company

4601 N. 252nd Street

Valley, Nebraska 68064

			WELL INFOR	MATION		
CONTRACT Tyson Foods, Columbus Junction, IA Log of well from ground level:				WELL No. #4		
				Date Installed: _	12/9/03	
Feet		Feet		Formation		
()	to	21	Sand and gravel			
21	to	55	Grey clay			
55	to	84	Sand and gravel with boulders			
84	to	1()()	Fine silty clay			
1()()	to	124	Hard grey shale			
	to					
	to					
	to					
	to					
	to					
	to					
	to					
	to					
	to					
	to					
	to					
	to					
	ro		1			
1			124	Depth	1 .	
—			80'	44-34 Holephys 34-GL Grout	2	
-			Gravel Pack	Clay Pack	Casing Extention	
48"		60	Screen	— 66' Casing —	—	
rilled Hole	0 <u>"</u> Plug					
					20" CLS SCres	
	Thi	s well	on 6' Berm		SCre	
					Natural Ground Level	

Layne-Western 5300 Gateway Drive, Suite B Grimes, IA 50111 (515) 986-3462 / 3474 Fax

VERTICAL TURBINE PUMP INSTALLATION REPORT



JOB NAME:	TVCONIAGATO		MOTOR OR CEAR DRIVE		
Address:	TYSON MEATS		MOTOR OR GEAR DRIVE: Make: US MOTOR HP: 50		
City, State:	COLUMBUS JCT., IA		Make: <u>US MOTOR</u> HP: <u>50</u> Speed: 1775 rpm Volts: 230/460		
Oity, Otate.	COLUMBOS JC L., IA		Frame: 326TPH CD:		
JOB COMPLE	ETION DATE: 12	2/21/03			
		ter Lube Oil Lube			
PUMP NO:	ME476022 F Nev		Running Amps: 128/64		
Pump Trouble:		,	Running Volts: N/A		
•			Gear Drive Ratio:		
PUMP SIZE	I Discount	1	WELL:		
	Diameter	Lengths	No: 4 Year Drilled: 2003		
Discharge	8" Above Below		Location: EAST ONE MILE OF TYSON		
	Screw	7 x 10'			
Column	8" Flange	2 x 5'	Diameter: 20 Depth: 137		
Tubing	N/A	x	(Measured from top of inch diameter casing which is 11' feet above ground)		
rabing		7 x 10'	willott isicot above greating/		
Shaft	13/16"	2 x 5'			
			Tape to water: 28'		
Column setting	to bowl:f	t.	Airline length: 80' A.L. Material: TORO		
BOWL:	_				
Manufacturer:			Static Gauge: 51 Static Level: 29		
	10" Shaft Diar	meter: 1.3/16"	Pumping Gauge: N/A Pumping Level: N/A		
			Disch. Pressure: N/A psi when pumping into		
	10RJMC Stages: _				
	Bowl Leng	gth: gth: 5'	system atgpm		
Suction Diam:		gtn:			
•	Coatings, Sleeves, etc:				
Column:			INSTALLER: RODNEY RAY		
Tubing:			Rig Used: 37		
		PUN	IP REPAIR		
CON	IDITION OF PUMP WHE		NEW PARTS INSTALLED		
Column:			Column: 7 - 10', 2 - 5' 2', 1 - 3'		
Tubing:			Tubing:		
Shafting:			Shafting: 1 - 5' 2", 1 - 34 1/2", 1 - 5', 7 - 10'		
Bowl:			Bowl: NEW		
Head:			Usade 1.6		
neau.			Head: 1 - 5'		
			1. DRAIN PORTS OPEN? Tyes TNo		
SHOP/MACHIN	NE WORK:		2. CHLORINATE WELL? TY Yes T No		
			3. ALIGN PUMP HEAD WITH		
			DIAL INDICATOR? Yes No		
			4. GROUTED BASE PLATE?		
			13. FOIVIE NOINS. 3 GOOD 3 Fair 3 Bad 1		