QUALITY IRRIGATION
3900 US Hwy 34
PO Box 420
Yuma, CO 80759
Phone: 970-848-3846

25TH ANNIVERSARY QUALITY IRRIGATION 1986-2011
When It Comes To Irrigation Demand Quality

Well and Pump Efficiency Test

Date: 11/4/2024 | Time Test Started: 1430 | Ended: 1530
Customer Field Name: | Technicians: Hansen, Joe
Legal: NW10-4N47W | Service Order #: 2024020560
Customer: Reck Agri Realty | Irrigation System: Valley | Hrs.
Address: | Length: | Acres: 0.00
City, St, Zip: | Crop: Beets | Soil type: Loam
Roads: | Nozzle Chart #: | End Gun type:
Distance (pump to pivot): 1365', 4060' | GPM: | PSI:
Underground pipe size and type: | Elevation change, pump to pivot:
Sprinkler Direction: | % | Normal Operating % | Permit # 19410-FP

Pump Brand: Worthington | Ser. # | Est. Depth: 300
Head Size: 10 | Column size: 10.75 | Tube size and type: 2.5 B W
Bowl type: | # of stages: | Impeller trim: | Shaft size: 1 11/16
Motor or engine brand: US | HP: 250 | Frame type: 445TPA | RPM:
Serial # H0250525LH | FLA: | Well Plate: | Concrete Pad:
Dripper type: | Well Depth: 313

Installed Meter Brand: | Type: | Ser. #
Model #: | Pipe OD: | Pipe ID: | (As stated on meter)
Totalizer type: Gallons: | Acre Ft.: | Final Reading:
Diameters of Straight Pipe | Upstream: | Downstream: | Seal #:

Method of testing: Standard | Equipment used: Fuji, N0F0832T
Pipe O.D.: 10 | Pipe wall thickness: 0.129 | x2: 0.258 | Pipe ID: 9.742
Test Meter Info: | Upstream (Inches) | Downstream (Inches)
Meter Multiplier: 40 | Kh 1.8 | Meter type: | Ser. #
Meter cycle time: 61.06 (1) 61.18 (2) 61.14 (3) 61.07 (4) 61.17 (5) Ave. 61.12 Revs. 32
Transformer type: Pole x Pad | Meter KW(as read): 3.104 | Meter KWH: 026664
KW: 135.70 | KVA: 168.97 | Power Factor: 0.80
P.C.C.: 524.16 | Power Company # HEA | Structure ID # 6505911

Electrical	To Ground			Line to Line																
	L1	L2	L3	1-2	2-3	1-3	1-2	2-3	1-3	1-2	2-3	1-3	1-2	2-3	1-3	1-2	2-3	1-3	1-2	2-3	1-3
Voltage				490	489	491															
Ave. Voltage	0.00			490.00			0.00			0.00			0.00			0.00			0.00		
Amps (Line 1,2,3)	0.00			198	199	201															
Ave. Amps	0.00			199.33			0.00			0.00			0.00			0.00			0.00		
Power Factor	0.00			0.80																	
Kilowatts	0.00			135.70			0.00			0.00			0.00			0.00			0.00		
RPM	0.00																				
Input HP	0.00			181.90			0.00			0.00			0.00			0.00			0.00		
Motor Eff. (Rated)	0.90																				
Brake HP				163.71			0.00			0.00			0.00			0.00			0.00		

	Static	Pumping Level					
Water	Well Off	Well On					
Minutes	0.00	15					
PSI (Step test)	0.00						
Level	237	265					
Total Gallons	0.00	21098					
GPM	0.00	1406.53	0.00	0.00	0.00	0.00	0.00
PSI Well (required)	0.00	35					
PSI Pivot	0.00						
End Gun Status	On/Off						
Friction Loss (Est.)	0.00	13					
Total Dynamic Head	0.00	358.85	2.31	2.31	2.31	2.31	2.31
Water HP	0.00	127.46	0.00	0.00	0.00	0.00	0.00
Pump Field Eff. *	0.00	77.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Overall Plant Eff.	0.00	70.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Specific capacity	0.00	50.23	0.00	0.00	0.00	0.00	0.00

* Pump field efficiency is the same as pump bowl efficiency. Vibration: Noise: Motor Air:

Collins Meter Data

Stop Clamp Setting: | GPM Multiplier:

	LF	RF
Time 1		
Time 2		
Time 3		
	LR	RR
Time 1		
Time 2		
Time 3		

Average Reading: 0.00 | GPM: 0.00

Installed Meter

Acre Ft. Totalizer
Multiplier
Start Reading:
Stop Reading:
Total: 0

Gallon Totalizer
Multiplier
Start Reading:
Stop Reading:
Total: 0

Comments: We were able to get a static water level down the column. Unable to get pumping level. Pumping level is estimated based on an original specific capacity of 60 gallon per foot of drawdown. Taking into account the age of the well.

Note things like condition of site, work that needs done, etc.

Pump GPS Coordinates: N | W | Elevation:
Pivot GPS : N | W | Elevation: