



WELL INSPECTION REPORT

License #'s (ALCORH824KJ) (ALCORPF825RP) (ALCORPF8259P)

ROC # 339937

GENERAL INFORMATION

CUSTOMER NAME:



INSPECTION DATE:

03/07/2023

PROPERTY ADDRESS:



INSPECTOR NAME:

Craig

ALCORN PUMP

WATER FILTRATION

Water Source Information

SOURCE: HAND DUG DRILLED RIVER/LAKE UNKNOWN OTHER _____
WELL LOG: YES NO
WELL DEPTH: Unknown **WELL LOCATION:** Outside Inside Pump House Vault/Underground
UNKNOWN OTHER
GOOD ACCESS TO WELL HEAD: YES NO
CASING TYPE & DIAMETER: 6" Steel
DISTANCE FROM POTENTIAL POLLUTION SOURCES: 100+/-
WELL HEAD CONDITIONS: WELL CAP SANITARY SEAL **VENTED?** YES NO
VERMIN PROOF? YES NO **NEEDS REPLACEMENT?** YES NO

NOTES: N/A

Well Pump Equipment

PUMPS: 1 2 3 4 **LOCATION OF PUMP/S** Submersible pump In Well
BRAND/MODEL: Unknown / J15S Gould Booster and Booster pump
HP: 1.5 / 1.5 **VOLTAGE:** 230 Vac Located in pumphouse.
WIRE SIZE: 8AWG / 12 SUB **MAX AMP:** 11.6
RUNNING AMPERAGE: 10.1 / 10.5 Booster **PUMPING RATE:** 14 GPM / Booster 16 GPM
PUMP'S RUNNING DURATION FROM CUT IN TO CUT OUT: 1:45 SEC / 3 Min for Booster
NEEDS REPLACEMENT: YES NO

NOTES: Pumps in working order at time of well inspection.

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Alcorn Pump & Filtration | 3000 W Shadow Valley Ranch Rd Prescott AZ 86305 | 928-237-4372
office@alcornpump.com | www.alcornpump.com
ROC# 339937



ALCORN PUMP

WATER FILTRATION

CONTROL SYSTEM AND OTHER INFORMATION

CONTROL SYSTEM/'S:

CONTROL BOX: YES NO QUANTITY: 1

BRAND: Franklin Electric HP: 2 HP

CONDITION: GOOD OPERABLE NEEDS REPLACEMENT

PRESSURE SWITCH: Square D SENSOR: Pump Saver RANGE: Booster 40-60

OHMS VALUES: RY: 7 BY: 3 RB: 10 GROUNDING? YES NO

NOTES: None

WIRING AND PLUMBING:

WIRING FROM C/B TO TOP OF WELL HEAD IS? 8 AWG

WIRING FROM TOP OF WELL HEAD DOWN TO MOTOR? 8 AWG

IS WIRING UP TO CODE IN PUMP HOUSE? YES NO

CONDITION OF WIRING: GOOD OPERABLE NEEDS REPLACEMENT

IS WIRING IN CONDUIT? YES NO

IS WIRING SAFE? YES NO

IS PLUMBING UP TO CODE? YES NO

CONDITION OF PLUMBING: GOOD OPERABLE NEEDS REPLACEMENT

NOTES: None

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CONTROL SYSTEM AND OTHER INFORMATION

PRESSURE TANK/'S:

YES NO **NUMBER OF TANKS:** 1 2 3 4 5

MAKE: Amtrol's **TYPE:** Bladder **LOCATION:** Pump House

SIZE: 82 Gal/ 82 Gal **PSI:** 35/35 **BURIED?** YES NO

CONDITION: GOOD OPERABLE NEEDS REPLACEMENT

NOTES: N/A

RESERVOIR/'S:

YES NO **QUANTITY:** 1

SIZE: 2,650 Gallon

CONDITION: In good condition, however, has lots of sediment buildup in the bottom of the tank

NEEDS REPLACEMENT? No

NOTES: The reservoir could be cleaned out

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ALCORN PUMP



WATER FILTRATION

RECOMMENDATIONS &/OR FINAL NOTES ON WELL

Summary from the well inspection:

The Water System consists of a submersible well pump that pumps into a 2650-gallon reservoir and then is distributed to the home and the irrigation system, via a booster pump. The well pump produces approximately 14 Gallons Per Min and the booster system produces 16-18 Gallons Per Min (GPM)

There is a filtration system located in the garage that is in bypass and not in working order, which can reduce water pressure to the home and induces more minerals than the current raw well water.

Overall, outside of the filtration system not being in working order and the reservoir having sediment build up, the water system is in good condition at the time of the well inspection.

Recommendations are:

1. Annual Well Maintenance/Service for the water system.
2. Testing for bacteria, arsenic, nitrates, and Lead per the Arizona DOH. DOH recommends that private well owners test their drinking water every year for coliform bacteria, and nitrate. These contaminants rapidly could affect a person's health. We also suggest testing for arsenic-- once in summer and again in winter.
3. Having the sediment cleaned out of storage tank.
4. Installing a proper working filtration system

NOTE: Estimates available upon request.

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ALCORN PUMP

WATER FILTRATION

WATER TESTING

LAB WATER TESTING:

WATER SAMPLES TAKEN BY ALCORN PUMP & SENT TO THE LAB: YES NO

TAKEN TYPE: BACTERIA ARSENIC NITRATE OTHER Lead, Mercury

THE WATER SAMPLES TAKEN HAVE BEEN SUBMITTED TO THE LAB, PLEASE NOTE WE ARE THE THIRD-PARTY HANDLER & WATER SAMPLES CAN TAKE 10-15 BUSINESS DAYS BEFORE RECEIVED BACK FROM THE LAB! ONCE THE RESULTS ARE RECEIVED BACK, WE WILL FORWARD THOSE OVER VIA EMAIL.

FIELD WATER TESTING PERFORMED BY INSPECTOR:

Raw H2O Mineral Test

7.4 PH
ND Manganese
ND Iron
15 Grains Hard
242 TDS

Treated H2O Mineral Test

7.4 PH
N/A Manganese
N/A Iron
18 Grains Hard
272 TDS

Good Operational H2O Parameters

PH 6.8-7.8
Manganese .05
Iron 0.5 ppm
Hardness Soft – 3 Grains

FILTRATION NOTES AND RECOMMENDATIONS:

FILTRATION EQUIPMENT: YES NO

TYPE AND SIZE OF FILTRATION? Aqua Sauna UV and Aqua Sauna softener/conditioner system with a 10" and 20" cartridge filters

NOTES ON WATER AND FILTRATION EQUIPMENT:

Current system is in bypass and not in working order. Would recommend replacing the current system with one that will work. Estimates can be sent for this upon request.

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ALCORN PUMP & WATER FILTRATION

PHOTOS OF PUMPING SYSTEM



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