5615

DATA ON WELLS AND PUMP IRRIGATION

UNIVERSITY OF ARIZONA
AGRICULTURAL EXPERIMENT STATION
TUCSON, ARIZONA

(5)

7

Name Aztec Land & Cattle CO. Address St. Joseph, Arizona

Well: Location N E Quarter of Sec. 28 Twp. 18N R 19E

Used for (domestic, stock, irrigation, of garden about four acres.) supply

Type 71 ft. 4" casing -180 ft. 3" casing (or curb) from top of ground

LOG

FROM	TO	MATERIAL	FROM	TO	MATERIAL
Feet 0	Feet 25	Top soil- Sand & clay	Feet	Feet	
25	60	Quicksand (bad water salty			
60	71	Red mud			
71	130	Mud & Gypsum			
130	138	Red sandstone			
138	148	Red mud, salty water			
148	150	Rock			
150	180	Red mud, bad water			
180	230	Red sandstone			
230	234	White sandstone			
		Good flowing water			Total depth

Water Level: Depth from surface ~~25~~ -5 feet. Date August 1911

Depth to first water when well was dug 25 feet. Date August 1911

Notes on fluctuation of water level Water flows about 35 gal. per minute and rises five feet above surface of ground.

Water level drawn down feet when pumping.

Pump: Make Type

Size Diam. of pulley inches.

Diam. of suction Diam. of discharge Valve

Amt. of discharge 35 gals. per minute measured by means of 5 gal. cans

Engine: Make Type Size

Consumption of fuel (or electric current)

Speed Diam. of pulley

Kind and size of belt Inclination

Date Narch 31st 1912 (Signed) Henry Warren, Res. Mgr. Aztec Land & Cattle Co.