



WATER-RIGHT DOCKET

Organ Pipe Cactus National Monument

Docket No: 18

POWERS WELL

State Water Rights Documentation

06-03-1982: registration of existing wells; registration no. 55-629117, file no. c(15-7)20bda

DEPARTMENT OF WATER RESOURCES
99 EAST VIRGINIA AVENUE
PHOENIX, ARIZONA 85004

REGISTRATION OF EXISTING WELLS

INSTRUCTIONS ON BACK OF THIS FORM BEFORE COMPLETING
PRINT OR TYPE - FILE IN DUPLICATE

Declaration: The United States gives the notification to the State in the interest of equity, and does not concede that the State has power to regulate the rights of the United States to the use of water.

RECEIVED
JUN 9 1982
DEPT. OF
WATER RESOURCES

REGISTRATION FEE (CHECK ONE)

EXEMPT WELL (NO CHARGE) ☒

NON-EXEMPT WELL - \$10.00 ☐

FOR OFFICE USE ONLY

REGISTRATION NO. 55- 629117

FILE NO. C(15-7)20bda

FILED 6-9-82 AT 1:30

(DATE) (TIME)

INA _____

AMA _____

1. Name of Registrant:
National Park Service, Western Region, Division of Water Resources
450 Golden Gate Ave., Box 36063, San Francisco, CA 94102
(Address) (City) (State) (Zip)

2. File and/or Control Number under previous groundwater law:
(File Number) _____ (Control Number) 35

3. a. The well is located within the NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 20,
of Township 15 S N/S, Range 7 W E/W, G & SRB & M, in the
County of Pima.

b. If in a subdivision: Name of subdivision _____
Lot No. _____, Address _____

4. The principal use(s) of water (Examples: irrigation - stockwater - domestic - municipal - industrial)
Unused, Ranch Operations (historical)

5. If for irrigation use, number of acres irrigated from well _____

6. Owner of land on which well is located. If same as Item 1, check this box ☒

(Address) (City) (State) (Zip)

7. Well data (If data not available, write N/A)

a. Depth of Well 135 feet

b. Diameter of casing N/A inches

c. Depth of casing N/A feet

d. Type of casing N/A

e. Maximum pump capacity N/A gallons per minute.

f. Depth to water dry feet below land surface.

g. Date well completed 1916
(Month) (Day) (Year)

8. The place(s) of use of water. If same as Item 3, check this box ☐
NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section _____ Township _____ Range _____
NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section _____ Township _____ Range _____
Organ Pipe Cactus National Monument - Powers Well
Attach additional sheet if necessary.

9. DATE JUN 3 1982 SIGNATURE OF REGISTRANT _____
(Sgd) Gerard S. Witucki
GERARD S. WITUCKI
CHIEF, DIVISION OF WATER RESOURCES

Supporting Hydro Data

PERMANENT REFERENCE
Do Not Discard

NATIONAL PARK SERVICE

FORM 9-1642B
(DEC 68)Well No. (c-15-7)20 bda

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by W. Werrell Source of data Field Date Aug 7, 74 Preliminary Map: Granite Mtn. 4 SE-7 1/2

State Ariz County 04 (or town) Pima Sequential number: 10

Latitude: 32 06 33 N Longitude: 113 00 32

Lat-long accuracy: 11 T. 15 N. 7 S. Sec 20 NE SE NW 6 1/2 SR PM

Local well number: C-15-07 20 BDA Other number: Powers Well

Local use: _____ Owner or name: National Park Serv.

Ownership: County: (F) Fed Gov't City, Corp or Co, Private, State Agency, Water Dist _____

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, (S) Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other _____

Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, (U) Unused, Withdraw, Waste, Destroyed _____

DATA AVAILABLE: Well data ☐ Freq. W/L meas.: ☐ Field aquifer char. ☐

Hyd. lab. data: _____

Qual. water data: type: _____

Freq. sampling: _____ Pumpage inventory: yes ☐ no ☐ period: _____

Aperture cards: _____

Log data: _____

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 135 ft Meas. 135 accuracy 6

Depth cased: _____ ft Casings type: _____ Diam. _____ in

Finish: (C) porous concrete, (F) gravel w. screen, (G) gravel w. gallery, end, (H) horiz. open perf., (P) screen, sd. pt., shored, (X) open hole, other _____

Method: (A) air bored, cable, (D) dug, (H) hyd jetted, (J) air reverse trenching, driven, drive wash, other _____

Date Drilled: 1916 9 1 6 Pump intake setting: _____ ft

Driller: Fred Powers name _____ address _____

Life (type): (A) air, bucket, cent, jet, (L) multiple, (M) multiple, (N) none, (P) piston, rot, submerg, turb, other _____ Deep _____ Shallow _____

Power (type): nat _____ LP _____ Trans. or meter no. _____

Descrip. MP _____ ft above _____ below LSD, Alt. MP _____

Alt. LSD: 1219 1219 Accuracy: USGS Topo - Elev given 2

Water Level: Dry ft above _____ below LSD _____ Accuracy: _____

Date meas: 1922 2 2 Yield: _____ gpm Method determined _____

Drawdown: _____ ft Accuracy: _____ Pumping period _____ hrs

QUALITY OF WATER DATA: Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm Hard. _____ ppm

Sp. Conduct _____ K x 10⁶ Temp. _____ °F Data sampled _____

Taste, color, etc. _____

Well No. (c-15-7)20 bda

Well No. (c-15-7)20 bdaLatitude-longitude 32 06 33 ^N 113 00 32 ^W

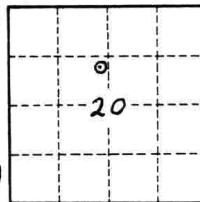
HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD ☐ Physiographic Province: Basin & Range 212 Section: Sonoran
Desert B Drainage Basin: Gila River - Texas G.T.D. Subbasin: San Cristobal
 Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) (F) (H) (K) (L)
 (G) offshore, pediment, hillside, (T) terrace, (U) undulating, (V) valley flat T
 MAJOR AQUIFER: system _____ series _____ aquifer, formation, group _____
 Lithology: _____ Origin: _____ Thickness: _____ ft
 Length of well open to: _____ ft Depth to top of: _____ ft
 MINOR AQUIFER: system _____ series _____ aquifer, formation, group _____
 Lithology: _____ Origin: _____ Thickness: _____ ft
 Length of well open to: _____ ft Depth to top of: _____ ft
 Intervals Screened: _____
 Depth to consolidated rock: _____ ft Source of data: _____
 Depth to basement: _____ ft Source of data: _____
 Surficial material: _____ Infiltration characteristics: _____
 Coefficient Trans: _____ gpd/ft² Coefficient Storage: _____
 Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____

See: Bryan, Kirk, 1922, Routes to desert watering places in the Papago Country, Arizona U.S. Geol. Survey Water-Supply Paper 490-D. On page 425, Bryan states "A dry well dug 135' deep".

See: Bryan, Kirk, 1925, The Papago Country Arizona, U.S. Geol. Survey Water-Supply Paper 499. On page 181 Bryan states that the well is 135 ft deep, dry, and was dug by Fred Powers in 1915-1916.

See memorandum from H.V. Peterson, USGS, to Paul Balch, NPS, of July 29, 1942. Peterson states that the Powers Well "penetrated 135 feet of alluvium. It is not known if bedrock was reached." also "The Powers Well failed to find water".



Township and Range determined by projection. Visited with Mr. Henry Gray, lifetime resident of the area. Mr. Gray remembers showing USGS topographic field party the location of the Powers Well. As a result, the well is shown as "Powers Well (Dry)" on the USGS 7 1/2' preliminary topo map. However the well is not shown on the USGS 15' published map: Agua Dulce Mts. The above location does not closely correspond to the Kirk Bryan map (1925). but Mr Gray reports that numerous road changes have been made in the area over the years.

Well site
not visited.

Well No. (c-15-7)20 bda

GPO: 1972 O-473-840

Docket Compiled: 6/3/2011