



WATER-RIGHT DOCKET

Lake Mead National Recreation Area

Docket No: 30

TEMPLE BAR WELL #5

Preliminary Docket Information

07-03-1979: water right/source docket information

DATE: July 3, 1979

DOCKET (FILE) TITLE _____

REGION Western AREA Lake Mead National Recreation Area

SITE Temple Bar

STATE Arizona COUNTY Mohave DOCKET NO. WR #11

LOCATION see narrative

REGIONAL BASIN _____ LOCAL BASIN _____

ACQUIRED BY Reservation

APPLICATION _____ PERMIT _____ CERTIFICATE _____

ACTION DUE _____ PRIORITY _____ RESERVATION October 8, 1964

QUANTITY _____ USE _____

STATUS Active SOURCE Ground Water - Well

REMARKS Hydrologic Unit #15010005

NARRATIVE:

From 1952 until 1975 a series of wells have been drilled at the Temple Bar area to supply the campground and visitor facilities there. Water quality problems have been encountered with the first few wells drilled and only the later wells are currently in operation. These wells are as follows:

- 1) T31N R19W Sec.33 SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ (Inactive)
- 2) T31N R19W Sec.33 NE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ (Inactive)
- 3) T31N R19W Sec.33 SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ (Secondary Source)
- 4) T31N R19W Sec.32 NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ (Active, yielded 185 gpm)
- 5) T31N R19W Sec.32 NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ (Scheduled to be the primary source, unknown if in operation yet)

The area should be field checked to determine the extent of facilities present and the source currently used by the development.

Compiled by T. Kern

Approved by _____

bcc's sent to:

Superintendent, Casa Grande, w/respective encls., w/blank form & w/o map
Superintendent, Chiricahua/Fort Bowie, w/respective encls., w/blank form & w/o map
Superintendent, Coronado, w/respective encls., w/blank form & w/o map
Superintendent, Grand Canyon, w/o encls.
Superintendent, Lake Mead, w/respective encls., w/blank form & w/o map
Superintendent, Montezuma Castle/Tuzigoot, w/respective encls., w/blank form & w/o map
Superintendent, Organ Pipe Cactus, w/respective encls., w/blank form & w/o map
Superintendent, Petrified Forest, w/respective encls., w/blank form & w/o map
Superintendent, Saguaro, w/respective encls., w/blank form & w/o map
Superintendent, Tonto, w/respective encls., w/blank form & w/o map
Superintendent, Tumacacori, w/respective encls., w/blank form & w/o map
Superintendent, Walnut Canyon, w/respective encls., w/blank form & w/o map
General Superintendent, Southern Arizona Group, w/respective encls., w/blank form & w/o map
Field Solicitor, San Francisco Office - Attn: J. Burke, w/encls. & w/blank form
Field Solicitor, Phoenix Office - Attn: W. Swan, w/map, w/blank form & w/example of
completed form
Regional Director, Rocky Mountain Region - Attn: W. McKeel, w/map, w/blank form &
w/example of completed form
Regional Director, Southwest Region - Attn: G. Moore, w/map, w/blank form & w/example
of completed form
(WR)AF, w/SF 1034, w/o encls.

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 give
notification to the State in the inter-
or comity, and does not concede that the
State has power to regulate the rights
the United States to the use of water.

REGISTRATION FEE (CHECK ONE)

EXEMPT WELL (NO CHARGE) ☐NON-EXEMPT WELL - \$10.00 ☒

FOR OFFICE USE ONLY

REGISTRATION NO. 55- 629086FILE NO. B(31-19)32 docFILED 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:

35
(File Number) (Control Number)

3. a. The well is located within the NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 32, of Township 31 N N/S, Range 19 W E/W, G & SRB & M, in the County of Mohave.

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

4. The principal use(s) of water (Examples: irrigation - stockwater - domestic - municipal - industrial)
Public supply, domestic, fire protection

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 240 feet
b. Diameter of casing 12 inches
c. Depth of casing 240 feet
d. Type of casing steel
e. Maximum pump capacity 240 gallons per minute.
f. Depth to water 112 feet below land surface.
g. Date well completed November 8, 1975
(Month) (Day) (Year)

8. The place(s) of use of water. If same as Item 3, check this box ☐

NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 31 Township 31 N Range 19 W
NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 32 Township 31 N Range 19 W
Lake Mead National Recreation Area - Temple Bar #5

Attach additional sheet if necessary.

DATE JUN 3 1982 SIGNATURE OF REGISTRANT (Sgd) Gerard S. Witucki

GERARD S. WITUCKI
CHIEF, DIVISION OF WATER RESOURCES

CHANGE OF WELL INFORMATION

Registration Number 55 629086I request the following information be changed in Well File Number B(31-19) 32 daa

Date _____, 19____ Signature of Well Owner _____

STATEMENT OF CHANGE OF WELL OWNERSHIP

I, _____, state that I am (no longer) the (new) owner of the well described below:

Township _____ Range _____ Section _____, _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ $\frac{1}{4}$

Registration #55-_____ File No. _____

Previous Owner _____ New Owner _____

Address _____ Address _____

City _____ State _____ Zip _____ City _____ State _____ Zip _____

NOTE: ARS 45-593 requires that the Department be notified of change of well ownership and that the well owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within 30 days after changes take place.

NOTE: SAVE THIS FORM TO REPORT FUTURE
CHANGES IN OWNERSHIP OR WELL
DATA SUCH AS PUMP CAPACITY, ETC.

99 E. Virginia Avenue, Phoenix, Arizona 85004

BRUCE BABBITT, Governor
WESLEY E. STEINER, Director
L C
January 4, 1982

Arizona's new Groundwater Management Act requires that all existing wells, regardless of size, be registered with the Department of Water Resources by June 14, 1982. An existing well is one that was drilled prior to June 12, 1980, and which has not been abandoned or sealed. Included are wells which were not completed by June 12, 1980, even though a Notice of Intent to Drill was filed with the Department.

There is no fee to register "exempt" wells with a pump capacity not exceeding 35 gallons per minute. "Non-exempt" wells, those with a pump capacity greater than 35 gallons per minute, cost \$10 each to register.

If you have any questions about well registration, feel free to call us at 255-1546. The toll free number in Arizona is 1-800-352-5464.

Sincerely,

W. Don Maughan
Deputy Director

WDM/CLL/
Enclosure

Think Conservation!

Office of Director 255-1554

Administration 255-1550, Water Resources and Flood Control Planning 255-1566, Dam Safety 255-1541, Flood Warning Office 255-1548, Water Rights Administration 255-1581, Hydrology 255-1586.

D5027 Sub

Supporting Hydro Data

WP#11

(B-31-19)32 DAA
(unsurveyed)Recorded by R.L. LaneyU.S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
SITE SCHEDULE

#5

Date Dec 2, 1975Check One ☒ English ☐ Metric Units

GENERAL SITE DATA

Site Ident No 360156114201701 RG Number R-0 Transaction T-0 A D M V *
 Site Type 2 C D M P T (W) * Data Reliability 3 C U L M * Source Agency 4 USGS *
 Project No. 5 CH1 * District 6 04 * State 7 04 * separate data County Meade 8 015 *
 Latitude 9 36 01 56 * Longitude 10 11 42 01 7 * Lat-Long Accuracy 11 5 F T M *
 Local Number 12 B-31-19 32DAA * Land Loc 13 NENESE 32 T 31N R 1SW 6 *
 Location Map 14 VIRGIN BASIN NEV-AZ * Scale 15 62500 *
 Altitude 16 1276 * Method of Measurement 17 A (L) M * Accuracy 18 2 *
 Topo Setting 19 D (C) E F H K L O P S T U V * Hydrologic Unit (OWDC) 20 *
 Date of First Construction/Completion 21 11 08 1975 * Use of Site 23 A D E G H I M P R S T U (X) Z *
 Use of Water 24 A B C D E F H I M N (P) R S T U Y Z *
 Secondary Water Use 25 * Tertiary Use of Water 26 * Depth of Hole 27 275 * Depth of Well 28 240 * Source of Depth Data 29 D *
 Water Level 30 112 * Date Measured 31 11 11 1975 * Source 33 S *
 Method of Measurement 34 A C E G H L M R (S) T Z *
 Site Status 37 D F G H P R S T (Z) *
 Source of Geohydrologic Data 38 S * Pump Used 39 W * Hand pump for aquifer test, later removed

OWNER IDENTIFICATION

R-158 * T-0 A D M * Date of Ownership 159 11 08 1975 *
 Name: Last 161 W. PARK SER * First 162 * Middle Initial 163 *

OTHER SITE IDENTIFICATION NUMBERS

R-189 * T-0 A D M * Ident 190 * Assigner 191 *
 New Card Same R & T ID 190 * Assigner 191 *

SITE VISIT DATA

R-186 * T-0 A D M * Date of Visit 187 10 15 1975 * Name of Person 188 R. LANEY *

FIELD WATER QUALITY MEASUREMENTS

R-192 * T-0 A D M * Date 193 11 12 1975 * Geohydrologic Unit 195 11285FL *
 New Card Same R thru 195 Temperature 196 0 0 0 1 0 * Degrees C 197 24 *
 Conductance 196 0 0 0 9 5 * μ Mhos 197 750 *
 Other (STORET) Parameter 196 00951 * Value 197 0.9 * Fluoride
 Other (STORET) Parameter 196 * Value 197 *

FOOT NOTES:

① Source of Data Codes:

S D O A R L G Z *
 USGS, driller, owner, other gov't, other logs, geologist, other reported.

(B-31-19)32 DAA
(unsurveyed)

PRODUCTION DATA

R-134 (146) T- (A) D M * Entry No 147 # 001 * Date 148- 11/12/1975 *
add, delete, modify

Discharge: 150- 200.0 * Source of Data 151- D *
add, delete, modify

Method of Measurement 152- B C E F M (P) R T U V W Z *
bailer, current, estimated, flume, rotating, surface, pitot-tube, reported, trajectory, venturi, volumetric, weir, other

Production Level 153- 140.0 * Static Level 154- 112.0 * Source of Data 155- S *
add, delete, modify

Method of Measurement 156- A C E G H L M R (S) T Z * Pumping Period 157- 24.0 *
active, calibrated, estimated, pressure, pressure gauge, log, other

LIFT DATA

R-42 * T- (A) D M * Type of Lift 43 # A B C J P R S T U Z *
add, delete, modify

Pump Intake Setting 44- * Type of Power 45- D E G H L N W Z *
diesel, electric, gasoline, hand, LP gas, natural, windmill, other

Date 46- 38- / / * Horsepower 46- *
month day year

MAJOR PUMP DATA (Only one per Type of Lift)

R-47 * T- (A) D M * Type of Lift 43 # * (See LIFT DATA for legal values of field 43) Manufacturer of Pump 48- *
add, delete, modify

Serial No. of Pump 49- * Name of Power Company 50- *
add, delete, modify

Power Company Account No 51- * Power Meter No 52- * Pump Rating 53- *
add, delete, modify

Person or Company Who Maintains the Pump 54- *
add, delete, modify

STANDBY POWER DATA (Only one per Type of Lift)

R-55 * T- (A) D M * Type of Lift 43 # * Type of Power 56- * Horsepower 57- *
add, delete, modify

OTHER DATA AVAILABLE

R-180 * T- (A) D M * Type of Data 181 # GEOHYDROLOG * Location 182- C D M (R) Z *
add, delete, modify

New Card Same R & T Type of Data 181 # * Location 182- C D M R Z *
add, delete, modify

AVAILABLE LOG DATA

R-188 * T- (A) D M * New Card for Each Log Type Same R & T

Type of Log	Begin Depth	End Depth	Source of Data
189 # S *	200- 20.0 *	201- 255.0 *	202- S *
189 # *	200- *	201- *	202- *
189 # *	200- *	201- *	202- *
189 # *	200- *	201- *	202- *

WATER QUALITY DATA COLLECTION

R-114 * T- (A) D M * Begin Year 115- 1975 * End Year 116- 1975 * Source Agency 117- USGS *
add, delete, modify

Frequency of Collection 118- D * Type of Analysis 120- B *
add, delete, modify

WATER LEVEL DATA COLLECTION

R-121 * T- (A) D M * Begin Year 122- * End Year 123- * Source Agency 124- *
add, delete, modify

Frequency of Collection 125- *
add, delete, modify

WATER PUMPAGE/WITHDRAWAL DATA COLLECTION

R-127 * T- (A) D M * Begin Year 128- * End Year 129- * Source Agency 130- *
add, delete, modify

Frequency of Collection 131- * Method of Collection 133- C E M Z *
add, delete, modify

FOOT NOTES:

① Source of Data Codes:

S D O A R L G Z
USGS, drifter, owner, other gas's, other logs, geologist, other reported.

② Type of Log Codes

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
time	cellar	slower	drifter's	electric	field	geologist	magnetic	induction	gamma	dipmeter	logging	microlong	neutron	p. later	photo	radio
conduct																
S	T	U	V	Z												
static					temp					gamma					velocity	

③ Frequency of Collection Codes

A	B	C	D	F	I	M	O	S	Z	
annual	bi-monthly	continuous	daily	semi	intermittent	monthly	and time	quarter	semi	other
monthly										

④ Type of Quality Analysis Codes

A	B	C	D	E	F	G	H	J	K	L	Z
physical	chemical	traces	pesticides	nutrients	sanitary	radio	radio	radio	radio	radio	other
B&O B&F B&P D&E C&D&I											

(0 0 1 1) 0 0 1 1
(unsurveyed)

WELL CONSTRUCTION DATA

R = 58 * T = (A) D M * Entry No 59 = 001 * Date of Construction Completion 60 = 11/08/1975 * Source of ① 64 = D *

Name of Contractor/Driller 63 = THOMPSON DRILLING CO. THOMPSON DRILLING CO.

Method of Construction 65 = A B C D (H) J P R T V W Z *
air, rotary or engaged, cable, tool, dug, hydraulic, rotary, jetted, air-per., reverse, traction, driven, drive, other

Finish 66 = C F (G) H Ø P S T W X Z * Type of Seal 67 = B C G Z *
porous, gravel w. concrete, screen, gravel, horizontal, open, perforated, screen, sand point, welded, open, other

Bottom of Seal 68 = * Method of Development 69 = A B C J N (P) S Z * Number of Hours in Development 70 = 015 *
air-lift, bailed, compressed, jetted, none, other, surged, other pump

Special Treatment During Development 71 = C D E F H M Z *
chemicals, dry ice, explosives, deflocculant, hydrofracturing, mechanical, other

DIMENSIONS OF THE HOLE CONSTRUCTED

R = 72 * T = (A) D M * Construction Entry No 59 = 001 *

New Card for Each Hole Segment Same R, T & Field 59

Top of Hole Segment Below LSD		Bottom of Hole Segment below LSD		Diameter of Hole Segment	
73 #	0.0	74 =	275	75 =	16
73 #		74 =		75 =	
73 #		74 =		75 =	
73 #		74 =		75 =	
73 #		74 =		75 =	

CASING SCHEDULE

R = 78 * T = (A) D M * Construction Entry No 59 = 001 *

New Card for Each Casing With Same R, T & Field 59

Top of Casing Segment Below LSD		Bottom of Casing Segment Below LSD		Diameter of Casing Segment		Casing Material ⑤		Thickness of Casing	
77 =	2	78 =	240	79 #	12	80 =	S	81 =	
77 =		78 =		79 #		80 =		81 =	
77 =		78 =		79 #		80 =		81 =	
77 =		78 =		79 #		80 =		81 =	
77 =		78 =		79 #		80 =		81 =	

OPENINGS SCHEDULE

R = 82 * T = (A) D M * Construction Entry No 59 = 001 *

New Card for Each Open Section With Same R, T and Field 59

Top of Section Below LSD		Bottom of Section Below LSD		Type of Openings ⑥		Type of Material ⑦		Diameter of Open Section		Width of Opening		Length of Opening	
83 #	170	84 =	230	85 =	R	86 =	R	87 =	2	88 =	0.40	89 =	
83 #		84 =		85 =		86 =		87 =		88 =		89 =	
83 #		84 =		85 =		86 =		87 =		88 =		89 =	
83 #		84 =		85 =		86 =		87 =		88 =		89 =	
83 #		84 =		85 =		86 =		87 =		88 =		89 =	

FOOT NOTES

① Source of Data Codes: S D Ø A R L G Z
USGS, driller, owner, other gov't, other logs, geologist, other reported

⑤ Casing Material Codes: B C G I M P R S T U W Z
brick, concrete, galv, wrought, other, PVC or, rock or, steel, tile, coated, wood, other

⑥ Type of Openings Codes: L M P R S T W X Z
lowered, mesh, perforated, wire, screen, sand, welded, open, other

⑦ Type of Material Codes for Open Sections: B C G I M P R S T Z
brass or, concrete, galv, wrought, other, PVC or, stainless, steel, tile, other

(B-31-19)32 DAA

GEOHYDROLOGIC UNIT DESCRIPTIONS

R=90 * T= 6 D M * add, delete, modify Depth to Top 91# 18 * Depth to Bottom 92# 18 *
 Unit Identifier 93- 112BSFL * Lithology 96- ALV * Lithologic Modifier 97- BRN GVL SUD CLAY *

AQUIFER DATA

R=94 * T= 6 D M * add, delete, modify Depth to Top 91# 18 *
 Date 119- 11/11/1975 * Water Level 39- 112 * % Water Contributed 95- 100 *

GEOHYDROLOGIC UNIT DESCRIPTIONS

R=90 * T= A D M * add, delete, modify Depth to Top 91# 18 * Depth to Bottom 92# 18 *
 Unit Identifier 93- 112BSFL * Lithology 96- ALV * Lithologic Modifier 97- BRN GVL SUD CLAY *

AQUIFER DATA

R=94 * T= A D M * add, delete, modify Depth to Top 91# 18 *
 Date 119- 11/11/1975 * Water Level 39- 112 * % Water Contributed 95- 100 *

PERTINENT REMARKS

R=183 * T= 6 D M * add, delete 185- T=5270 FT²/DAY *
 New Card Same R&T 185- 5270 FT²/DAY *
 185- 5270 FT²/DAY *

NOTES:

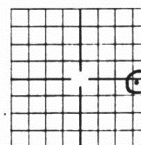
Logs available

Geologists

Litho

Aquifer test data available T= 39,400 gal/day/ft Sp. Cap. 7.1 gpm/ft
 5,270 ft²/day

Sampled for chem analysis 11-12-75 (common + trace elements)

(B-31-19)32 DAA
(unsurveyed)

(B-31-19)32daa (unsurveyed), new well at Temple Bar, Arizona,
Lake Mead National Recreation Area

Field log by R. L. Laney, October 15, 1975
Total depth 275'

<u>Interval (feet)</u>	<u>Material</u>
0-20	No samples collected. Driller reported considerable coarse material up to boulder size from 0-18 feet.
20-90	Gravel and sand; light brown to brown (darker in lower part); subangular to angular (much angular gravel caused by breakage of large clasts by drill); clasts as large as 10 mm consist of about 75 percent gneiss, schist, quartz, and 25 percent limestone.
90-145	Gravel and sand, silty; brown to strong brown, (some grayish-brown intervals of nearly 100 percent gneiss and schist detritus); subangular to angular; clasts as large as 5 mm consist of 60 to 100 percent gneiss, schist and quartz, and 40 to 0 percent limestone.
145-230	Gravel and sand, silty and somewhat clayey, particularly in lower part of interval (driller reported that drilling mud was thickened at about 210 feet); brown; subangular; clasts up to 2 mm in upper part and 8 mm in lower part of interval consist of 50 to 75 percent limestone and 50 to 25 percent gneiss, schist and quartz.
230-275	Silt and clay, gravelly and sticky; brown; subangular to angular; clasts to 14 mm consist about 75 percent gneiss, schist and quartz and about 25 percent limestone. No samples were collected from 255 to 275 feet; driller reported material was the same as that from 230 to 255 feet.

NOTE: The break at 230 feet may be caused by a change in method of sample collection. Samples from 20 to 230 feet were collected by the driller with a kitchen-type strainer, and a considerable amount of fine-grained material may have been removed. The samples from 230 to 255 feet were whole unwashed samples.

All samples were poorly sorted.
All samples reacted with dilute hydrochloric acid.

Top of 12" steel casing, 1.0 feet
above land surface datum.

Concrete
Drilled hole,
24" diameter

Gravel pack

DEPTH

Land surface datum,
elevation 1,276 ft.
above sea level.

0

10

20

20' bottom of 24"
drilled hole and
concrete pad.

30

40

50

Drilled hole, 16"
diameter

60

70

12" steel casing

80

90

150

160

170

170' top of stain-
less steel screen
(Type 405)

180

190

200

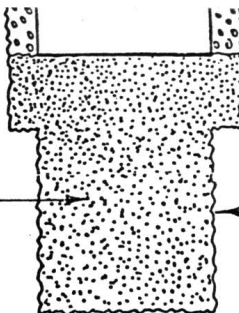
210

220

AS BUILT DRAWING
Well # (B-31-19) 32 daa
National Park Service
Lake Mead National
Recreation Area

November 1975
W. Werrell

Backfilled with
material from
the surface



- 240 screen
240' bottom of 12"
steel casing
- 250 250' bottom of 16"
drilled hole
- 260 Drilled Hole, 12 $\frac{1}{4}$ "
diameter
- 270
- 275 275' Total drilled
depth

3215 CINDER LANE

876-4596



THOMPSON DRILLING CO., INC.

DRILLING

PUMPING EQUIPMENT

LAS VEGAS, NEVADA 89103



Lake Mead National Recreation Area-Temple Bar, Arizona

Development Data

Contract 8000-75-25

Sheet 113

<u>Time</u>	<u>Water Level</u>	<u>G.P.M.</u>	<u>Conditions</u>
November 7, 1975			
10:00 a.m.	118'	150	muddy
10:30 a.m.	144'	150	muddy
11:00 a.m.	145'	150	cloudy
11:30 a.m.	145'	150	cloudy
12:00 p.m.	145'	150	cloudy
12:30 p.m.	145'	150	cloudy
1:00 p.m.	145'	150	clear
1:30 p.m.	157'	200	light muddy
2:00 p.m.	156'	200	clear
2:30 p.m.	155'	200	cloudy
3:00 p.m.	155'	200	clear
3:30 p.m.	168'	288	cloudy
4:00 p.m.	173'	288	clear
4:30 p.m.	stopped pump		
November 8, 1975			
8:00 a.m.	124'	225	muddy
8:30 a.m.	154'	225	cloudy
9:00 a.m.	154' 10"	225	lightly cloudy
9:30 a.m.	157' 10"	225	clear
10:00 a.m.	152' 10"	225	clear
10:30 a.m.	152' 10"	225	clear
11:00 a.m.	154' 10"	225	clear
11:30 a.m.	154' 10"	225	clear
12:00 p.m.	153' 10"	225	clear
12:30 p.m.	153' 10"	225	clear
1:00 p.m.	153' 10"	225	clear
1:30 p.m.	153' 10"	225	clear
2:00 p.m.	153' 10"	225	clear
2:30 p.m.	154' 10"	225	clear
3:00 p.m.	153' 10"	225	clear
3:30 p.m.	153' 10"	225	clear
4:00 p.m.	153' 10"	225	clear
4:30 p.m.	stopped pump		

-2-

Development Time

Contract 8000-75-25

Tempe Bar, Arizona

quarter test

<u>Time</u>	<u>Water Level</u>	<u>G.P.N.</u>	<u>Conditions</u>
November 11, 1975			
	112' static water level		
8:30 a.m.	134'	200	muddy
9:00 a.m.	137'	200	clear
9:30 a.m.	138'	200	clear
10:00 a.m.	138'	200	clear
10:30 a.m.	138'	200	clear
11:00 a.m.	139'	200	clear
11:30 a.m.	138'	200	clear
12:00 p.m.	139'	200	clear
12:30 p.m.	139'	200	clear
1:00 p.m.	139'	200	clear
1:30 p.m.	140'	200	clear
2:00 p.m.	140'	200	clear
2:30 p.m.	139'	200	clear
3:00 p.m.	139'	200	clear
3:30 p.m.	139'	200	clear
4:00 p.m.	138'	200	clear
4:30 p.m.	138'	200	clear
5:00 p.m.	139'	200	clear
5:30 p.m.	139'	200	clear
6:00 p.m.	139'	200	clear
6:30 p.m.	139'	200	clear
7:00 p.m.	139'	200	clear
7:30 p.m.	139'	200	clear
8:00 p.m.	139'	200	clear
8:30 p.m.	139'	200	clear
9:00 p.m.	139'	200	clear
9:30 p.m.	139'	200	clear
10:00 p.m.	139'	200	clear
10:30 p.m.	139'	200	clear
11:00 p.m.	139'	200	clear
11:30 p.m.	139'	200	clear
12:00 a.m.	139'	200	clear
12:30 a.m.	139'	200	clear
1:00 a.m.	139'	200	clear
1:30 a.m.	139'	200	clear
2:00 a.m.	139'	200	clear
2:30 a.m.	139'	200	clear
3:00 a.m.	139'	200	clear
3:30 a.m.	139'	200	clear
4:00 a.m.	139'	200	clear
4:30 a.m.	139'	200	clear
5:00 a.m.	139'	200	clear
5:30 a.m.	139'	200	clear
6:00 a.m.	139'	200	clear
6:30 a.m.	139'	200	clear
7:00 a.m.	139'	200	clear
7:30 a.m.	139'	200	clear
8:00 a.m.	139'	200	clear
8:30 a.m.	stopped pump		

11-11-75

pump on 0938

11-12-75

pump off @ 1000 PLL

11-12-75

So. 8-1/2 7.4

Other Supporting Information



IN REPLY REFER TO:

United States Department of the Interior

NATIONAL PARK SERVICE

WESTERN REGION

450 GOLDEN GATE AVENUE, BOX 36063
SAN FRANCISCO, CALIFORNIA 94102

L54 (RNW)

April 20, 1982

Memorandum

To: All Superintendents, Arizona Areas, Western Region

From: ~~ACTING~~ Regional Director, Western Region

Subject: Arizona Groundwater Management Act, required filings

In compliance with the Arizona Groundwater Management Act of 1980, we are required to register all existing wells within the State on or before June 12, 1982, see enclosure.

The Field Solicitor's Office has advised us that registration of existing wells on National Park Service lands should be made either as a matter of comity, in the case of Federal reserved water rights, or as a matter of compliance with Arizona State law, in the case of Federal non-reserved water rights.

The Division of Water Resources has begun to compile the necessary information for the filings, and in the process may be contacting your offices for further information. They will submit this material to the State.

Information which you feel the Division of Water Resources may not have, concerning recently changed well conditions, pump capacities, etc., should be relayed as soon as possible to the Division of Water Resources at 556-8660.

If you have any questions concerning the well registration requirements, please do not hesitate to contact Mr. Witucki and his staff.

W. Bruce White

Enclosure

cc:
General Superintendent, SOAR

L54
(WR)RNW

September 21, 1981

Witucki
Mills
Kilgore
9/21/81
PK 9/21

Davis
Reg. Dir.
9/22

Memorandum

To: Field Solicitor, San Francisco
ACTING
From: Regional Director, Western Region
Subject: Arizona Groundwater Management Act: Registration of Inactive Wells;
Filing for "Grandfathered Rights"

The Division of Water Resources has received inquiries from the affected National Park Service areas concerning certain provisions of the Arizona Groundwater Management Act of 1980, and we are still awaiting a response from your Office regarding our June 11, 1981 memorandum to you. As required by the Act, all wells in the State must be registered with the Arizona Department of Water Resources by June 12, 1982. However, it is not clear whether it is appropriate to register the inactive wells located in the parks within the State of Arizona. Since registration of these inactive wells may have a bearing on the Service's right to drill new or replacement wells in the future, we have tentatively planned to register all wells located within the affected parks. With these concerns in mind, we would appreciate a legal determination and your recommendations as to the registration of inactive wells pursuant to the Arizona Groundwater Management Act.

Through field investigations conducted by the Division of Water Resources staff, telephone conversations with the field areas, and communication with your staff, we determined that it was not necessary to file for "Grandfathered Rights" for any of the wells located in the parks within the designated Active Management Areas since none of the wells in question has a pumping capacity greater than 35 gallons per minute. Under the provisions of the Act, such wells were exempt from filing for "Grandfathered Rights."

Your assistance and cooperation in this matter is appreciated.

(SGD) JOHN H. DAVIS

cc:
General Supt., SOAR
Supts., Saguaro, Tumacacori, & Casa Grande

(WR)RNW:Reed:Werrell:Witucki;ms 9/21/81

VR
EN

MAY 18 1966

A2623-SLW

Memorandum

To: Assistant to the Secretary, Orren Beaty, Jr.

From: Acting Director

Subject: Request for permission to construct pipeline and to connect to National Park Service water supply by cabin owners at Temple Bar, Lake Mead, *Nevada*

To the best of our knowledge, we do not have a written request from cabin owners at Temple Bar, Lake Mead National Recreation Area, to build a pipeline and connect to the National Park Service water supply.

The standard lease granted to cabin owners states specifically that the Government does not agree nor is it obligated to furnish roads, utilities, water, or any facilities whatever. It further states that the lessee may arrange to obtain any water needs to carry out the purpose of the lease in compliance with all applicable laws and with the approval of the Superintendent. The policy of the National Park Service has been to deny any requests for such utility services and to encourage community cooperative action. At Katherine, the lessees, with the encouragement and approval of the Park Service, have established their own water system, which is functioning very well.

Acceptance of a Temple Bar pipeline by the National Park Service would obligate the Service to supply water to the lessees, to maintain the pipeline, and to set and collect proper water charges.

Visitation to the Temple Bar area has increased considerably and will continue to increase. For instance, April 1966 visitation was 39,350, three times as great as in April 1965. The concessioner has expanded his facilities and will expand them further. As a result, the present water supply, which was increased last year by drilling a second well, is inadequate during the summer months. The present use of water by the lessees, which was extended to them as a courtesy about six or seven years ago when the area was first developed, is estimated to be about 30 thousand gallons per month but if the homes were to be connected directly to the Park Service system, this use

could be expected to rise to one or two million gallons per month. In view of the public need for water in the area, which is increasing at a rate of about four million gallons annually, we cannot meet this substantial private demand.

The National Park Service believes the Temple Bar lessees should provide, operate, and maintain their own water supply in accordance with the conditions of their leases. The Service is willing to cooperate with the lessees, insofar as possible, to assist in this matter.

A. CLARK STRATTON

cc:
FW
Superintendent, Lake Mead
SLW

Regional Director, Western
Chief, Office of Land and Water Rights, SSC

Mr. Reed - SLWW

EWReed:JEP:ljc 5-16-66

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-107

UNITED STATES GOVERNMENT

Memorandum

TO : Director *Director* National Park Service

FROM : Orren Beaty, Assistant to the Secretary

SUBJECT:

MAY 5 7 48 AM '66
DATE: April 29, 1966

I need to be brought up-to-date on:

- Just* 1. The bridge and access road to Tuzigoot National Monument, and
- Free* 2. The Glen Canyon tramway and marine concession -- are we ready to award the contract yet?
- rice* 3. And a new one -- a number of cabin owners at Temple Bar in the Lake Mead Recreation area want to build and give to NPS a two-inch water line to serve their cottages. As Chuck Richey probably knows, all these people now have their own individual tanks and water has to be hauled from the NPS tank 500 or 600 feet away. As I understand it, they attempted to get permission to build this line earlier and were turned down, and are now willing to pay the full expense and be billed for the water they use if an agreement can be worked out.

OB
Orren Beaty



Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

UAA

Form 10-114
(Rev. Oct. 1964)

U.S. DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Re Mead Correspondence

SPECIAL USE PERMIT

Leahurst National Recreation Area

(Area)

Peter Kiewit Sons' Company, of **1000 Kiewit Plaza, Omaha, Nebraska** is hereby authorized during the period from **November 1**, 19 **65** to **October 31**, 19 **66** to use the following-described land in the above-named area: **strip not to exceed twenty (20) feet in width and approximately four (4) miles long as delineated on attached Exhibit "A".**

for the purpose of **installing a six (6) inch water line for use in connecting Arizona Highway Department Project No. W-39 - 1 (7) and PLN-2(3)**

subject to the conditions on the reverse hereof and attached pages and to the payment to the Government of the United States of the sum of **Twenty** Dollars (\$ **20.00**), in advance **annually** (Monthly, semiannually, etc.), or as follows:

payment to be made to the Superintendent by Express or Postal Money Order, Certified Check, or Draft payable to the National Park Service, or Cash

Issued at **Boulder City, Nevada** this **2nd** day of **November**, 19 **65**

Signed: **Ralph R. Ramsey** Acting Superintendent

This is given as a permit subject to the terms, conditions, obligations, and reservations, expressed or implied, therein.

WITNESSES TO SIGNATURES		PERMITTEE (SIGNATURE)	
NAME	Ott McDaniel	NAME	PETER KIEWIT SONS' COMPANY
ADDRESS	P.O. Box 111 Boulder City, Nevada	BY:	Signed: James L. Knight
NAME	Barrel L. Templeton	NAME	James L. Knight
ADDRESS	700 Elm Street Boulder City, Nevada	ADDRESS	Project Superintendent

APPROVED: (If approval is required by higher authority)

NAME	TITLE	DATE

*Signatures of names as written in body of permit, for corporation, the officer authorized to execute contracts, etc., should sign, with title, the sufficiency of such signature being attested by the Secretary, with corporate seal, in lieu of witnesses.

(This copy for the Branch of Lands, Washington)

Page 12

LS4-CBL

October 22, 1958

Memorandum

To: Regional Director, Region Three

From: Chief, Water Resources Section

Subject: Water Rights, Dockets 9, 10 and 11, Lake Mead

With copies of this memorandum we are distributing folders for the subject dockets as follows:

Docket No. 9

Boulder Beach

PART I - Domestic Supply
No contents

PART II - Irrigation System

1. Drawing 6979 - Irrigation Study
2. Table with gross and net areas of irrigation and water demand at 5 and 8 AF/Acre/annum

Docket No. 10

Katherine Area

1. Drawing 6980 - Irrigation Study
2. Table with gross and net areas of irrigation and water demand at 5 and 8 AF/Acre/annum
3. Water System Completion Report of 1/24/58

Docket No. 11

Temple Bar Area

1. Drawing 6981 - Irrigation Study
2. Table with gross and net areas of irrigation and water demand at 5 and 8 AF/Acre/annum

Also attached are three extra prints of Drawing 6979, 6980, and 6981. The drawings have been prepared for interim record and study purposes. The extra prints are for you to refer to the office which can supply the corrections and extras needed for water right applications, of which a part will be either in narrative form, or preferably on the standard forms which should be obtained from the State Engineer of Nevada, and Water Division of Arizona Land Department.

WESTERN OFFICE	
DESIGN & CONSTRUCTION	
OCT 27 1958 A.M.	
CHIEF	
ADMIN. ASSIST.	
PERSONNEL	
PLANS & SPEC.	
SALES	
ARCHITECT	
ENGINEER	
LANDING	
RECORDS	
TRAINING	
ADVIS. DATA	
DATE	

As a result of my testimony in Arizona vs. California, we should expedite the filing of water claims. I am also interested in determining the extent to which the ultimate water demand for all areas in each state may agree with or exceed the estimates to which I testified. An unnumbered and undated work order under Account 14X1035 (0343), General Ledger Account 102.4 should be prepared and submitted for approval as soon as engineering personnel can be provided by one of the three offices to whom the dockets are sent.

The first problem is to get the areas located by sections, with ties to section corners, and complete the plans and descriptions of the existing and proposed one or more water systems. These descriptions should include pump units, pump lifts and gradients, and sizes and capacities of the pipelines and any ditches.

We also need the estimated ultimate water demands for domestic, irrigation, and other purposes, with justifications based on permanent and transient population, net irrigated areas and water demand per acres per year of irrigation, and demands for any other purposes which are not included under these two purposes.

The irrigated areas are given by units A, B, C, etc., and the net areas has been determined by deducting roads, buildings and such spaces from the gross outlined areas. I visited the Boulder Beach area just after testifying in May, and decided that I may have been unduly conservative in the irrigation estimates I gave for 1966 and 1975, because I did not realize how much the irrigated area had been developed since my last previous trip. However, the thriving trees also give a deceptive idea of possibly excessive irrigated areas because they hang over the paved areas. If possible, we should tabulate the annual amount of water which has actually been used on the areas which are now under irrigation, and divide the amounts by the portions of net areas which have already been irrigated, to obtain a unit value for the other areas which are not yet developed.

It may be well to have a preliminary exchange of ideas on this program before estimates are completed as work orders. I shall appreciate comments on any other features which come to your mind.

We do not have to consider the municipal supply at Boulder Beach except as the records can supplement the shorter records for the irrigation well.

A. van V. Dunn
Chief, Water Resources Section

Attachments 12

August 1958

LAKE MEAD - TEMPLE BAR - IRRIGATION STUDY					
Location	Gross Area	Net Irrigation Area	% of Gross Area to be Irrigated	@ 5 AF/A/an	@ 8 AF/A/an
A. NPS Resi- dential	5.58 acres	3.00 acres	54%	15.00	24.00
B. Visitor Center	1.78 acres	.41 acres	23%	2.05	3.28
C. Campground	10.56 acres	7.44 acres	70%	37.20	59.52
D. Trailer Camp & Cabin Area	11.16 acres	4.44 acres	40%	22.20	35.52
E. Concession Cafe, Store, Apartments	.85 acres	.60 acres	71%	3.00	4.80
F. Concession & NPS Utility	2.36 acres	1.66 acres	70%	8.30	13.28
G. Lodge Area	5.04 acres	3.39 acres	67%	16.95	27.12
H. Overnight Accomm.	6.78 acres	3.27 acres	48%	16.35	26.16
I. Vacation Homesites	20.91 acres	10.45 acres	50%	52.25	83.60
TOTAL	65.02 acres	34.66 acres	53%	173.30 AF	277.28 AF

154-CBL

W R Lef
10/22/58

October 22, 1958

Memorandum

To: Regional Director, Region Three
From: Chief, Water Resources Section
Subject: Water Rights, Dockets 9, 10 and 11, Lake Mead

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Docket No. 10 Katherine Area

1. Drawing 6980 - Irrigation Study
2. Table with gross and net areas of irrigation and water demand at 5 and 8 AF/Acre/annum
3. Water System Completion Report of 1/24/58

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(SIGNED)

A. van V. Dunn
Chief, Water Resources Section

Attachments 12

Copy to: Superintendent, Lake Mead, with 3 attachments
Chief, WDC, with 3 attachments

AvVDunn:let

Mr. Dunn

Docket Information

Number of Documents in Docket 26

Documents Dated from 8/15/1958 to 6/4/1982

Docket Compiled: 6/2/2016