



WATER-RIGHT DOCKET

Lake Mead National Recreation Area

Docket No: 32

COTTONWOOD COVE WELL #3.

Preliminary Docket Information

05-21-1976: water right/source docket information

WATER RESOURCES/WATER RIGHT		DATE: May 21, 1976
WATER RIGHT/SOURCE DOCKET INFORMATION		
REGION	Western Region	
AREA	Lake Mead National Recreation Area	
SITE	Cottonwood Cove Campground	
STATE	Nevada	COUNTY Clark
DOCKET NO	WR #16	
LOCATION	SE 1/4, NE 1/4, Sec. 23 and SW 1/4, SW 1/4, Sec. 24, T28S, R65E, MDB&M	
REGIONAL BASIN	Colorado River	LOCAL BASIN
ACQUIRED BY	Appropriation and other (see narrative).	
APPLICATION	19921, 19922	PERMIT
CERTIFICATE	5619, 5620	
ACTION DUE	PRIORITY June 16, 1961	RESERVATION
QUANTITY	390,000 GPD	USE Domestic and quasi-municipal
STATUS	Active	SOURCE 4 wells
REMARKS	Hydrologic unit # 150 Cottonwood Cove well #1: SW 1/4, NE 1/4, Sec. 23, T28S, R65E, MDB&M #2: SW 1/4, NW 1/4, SW 1/4, Sec. 24, T28S, R65E, MDB&M #3: SW 1/4, NW 1/4, SW 1/4, Sec. 24, T28S, R65E, MDB&M #4: SW 1/4, NW 1/4, SW 1/4, Sec. 24, T28S, R65E, MDB&M	

NARRATIVE: This docket contains material covering four wells in the vicinity of Cottonwood Cove Campground, all on the Nevada side of Lake Mohave in Lake Mead National Recreation Area. The first well was completed on Oct. 10, 1957, and was drilled to a depth of 90 feet. This well was filed with the State of Nevada (Application No. 19921, Certificate No. 5619) and has a June 16, 1961 priority date. The water was used for domestic purposes at Cottonwood Cove campground.

The second well was completed sometime during 1959 or 1960 to a depth of 110 to 120 feet (there is a conflict between the Nevada State Application and a map compiled by the Office of Land and Water Rights). This well was also filed with the State, at the same time as the first well, with the same priority date. Water was used to supply the NPS residential area and a concessionaire.

A third well was drilled to a depth of 150 feet in late 1967. Its location was near the second well mentioned above. The last (4th) well was completed on May 23, 1969, in the same location as the prior two wells, to a depth of 200 feet. Neither of the last two wells were filed with the State, probably due to reliance on the Reservation Doctrine enunciated in *Arizona v. California*.

Present development consists of: 175 space trailer village, 150 campsites, 30 room motel and concessionaire restaurant. Total 1974 water usage was reported to be 142,000,000 gallons (Bill Shepard, Maintenance Supervisor).

See also LM WR #17.

Compiled by Kevin Kidder

Approved by W. Werrell

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Water Resources Division
P.O. Box 4070
Tucson, Arizona 85717

IN REPLY REFER TO:

2	Supt.	OK 7/13
	Mgt. Asst.	
	Adm.	
3	Maint.	OK 7/13
	CRO	
	CNO	
	Rec. Sp.	
1	L. Arch.	OK 7/13
	Proj. Sup.	
4	Records	OK 7/13

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Mr. Charles A. Richey, Superintendent
Lake Mead National Recreation Area
National Park Service
Boulder City, Nevada 89005

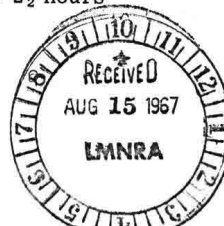
Re: Cottonwood Cove (Lake Mohave) well site

Dear Mr. Richey:

Craig Bentley and Win Hjalmarson, from Phoenix Subdistrict Office, conducted an aquifer test on August 7, 1967, on the Cottonwood Cove well in the Lake Mead National Recreation Area. The well is in the SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$ Sec. 24, T. 28S., R. 65 E., Clark County, Nevada. The test data are as follows:

Depth of well	150 feet
Casing	12 in. diameter to 150 feet; 12 in. gravel pack
Perforations	13 rows 1/16 x 6 in. torch-cut 120 to 150 feet
Test pump setting	135 feet
Duration of test	7 hours
Maximum sustained yield	210 gpm
Static water level below land surface	28.9 feet
Maximum drawdown at 210 gpm discharge	91 feet
Pumping water level below land surface	120 feet
Specific capacity	2.3 gpm/ft drawdown
Coefficient of transmissibility	6,750 gpd/ft
Water temperature	82°F

The well is about 500 feet west of Lake Mohave and 20 to 40 feet above the high and low lake levels, respectively. After 2½ hours



August 11, 1967

of test pumping, recharge to the well from the lake sharply decreased the rate of drawdown. The permeability of the aquifer is low, but is probably sufficient to sustain a 200 gpm well indefinitely with the assistance of the lake recharge. A sample of the water was collected for chemical analysis; the results of which will be sent to you when available.

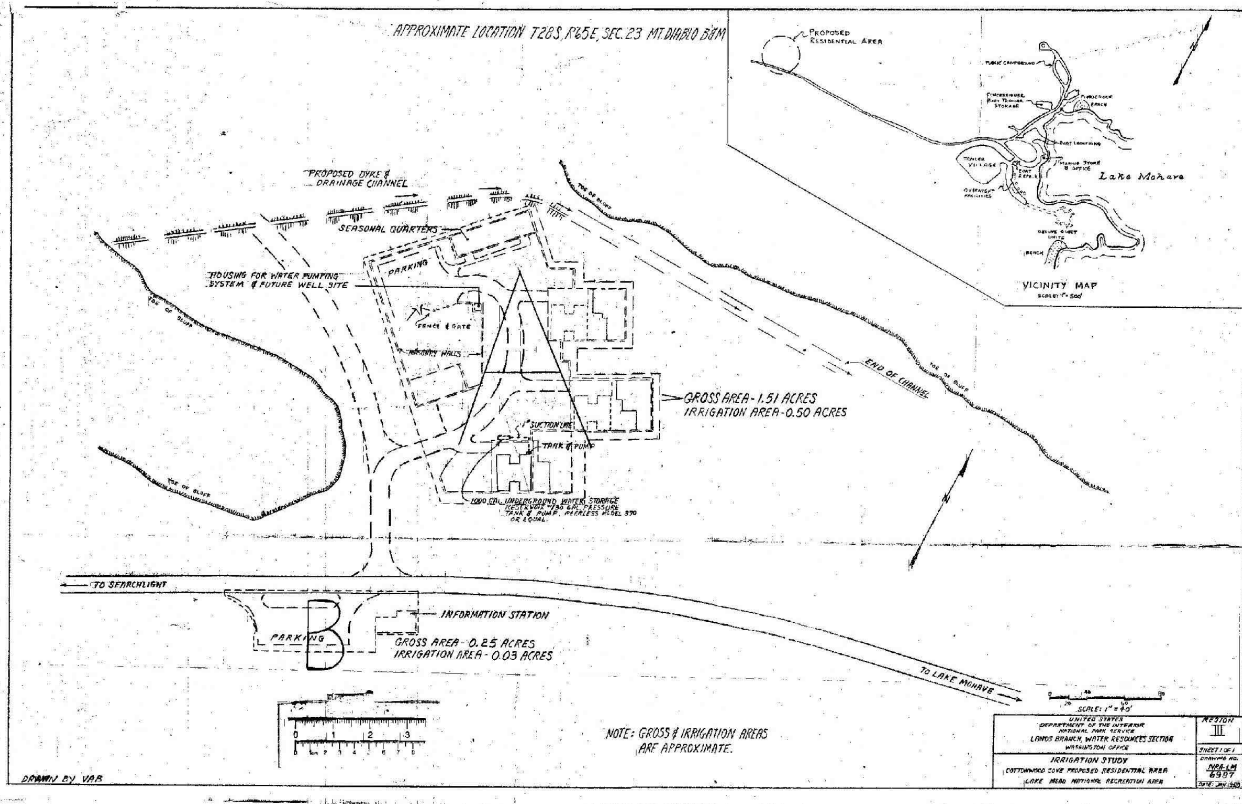
This completes our work on the Cottonwood Cove well as outlined in our letter of January 30, 1967.

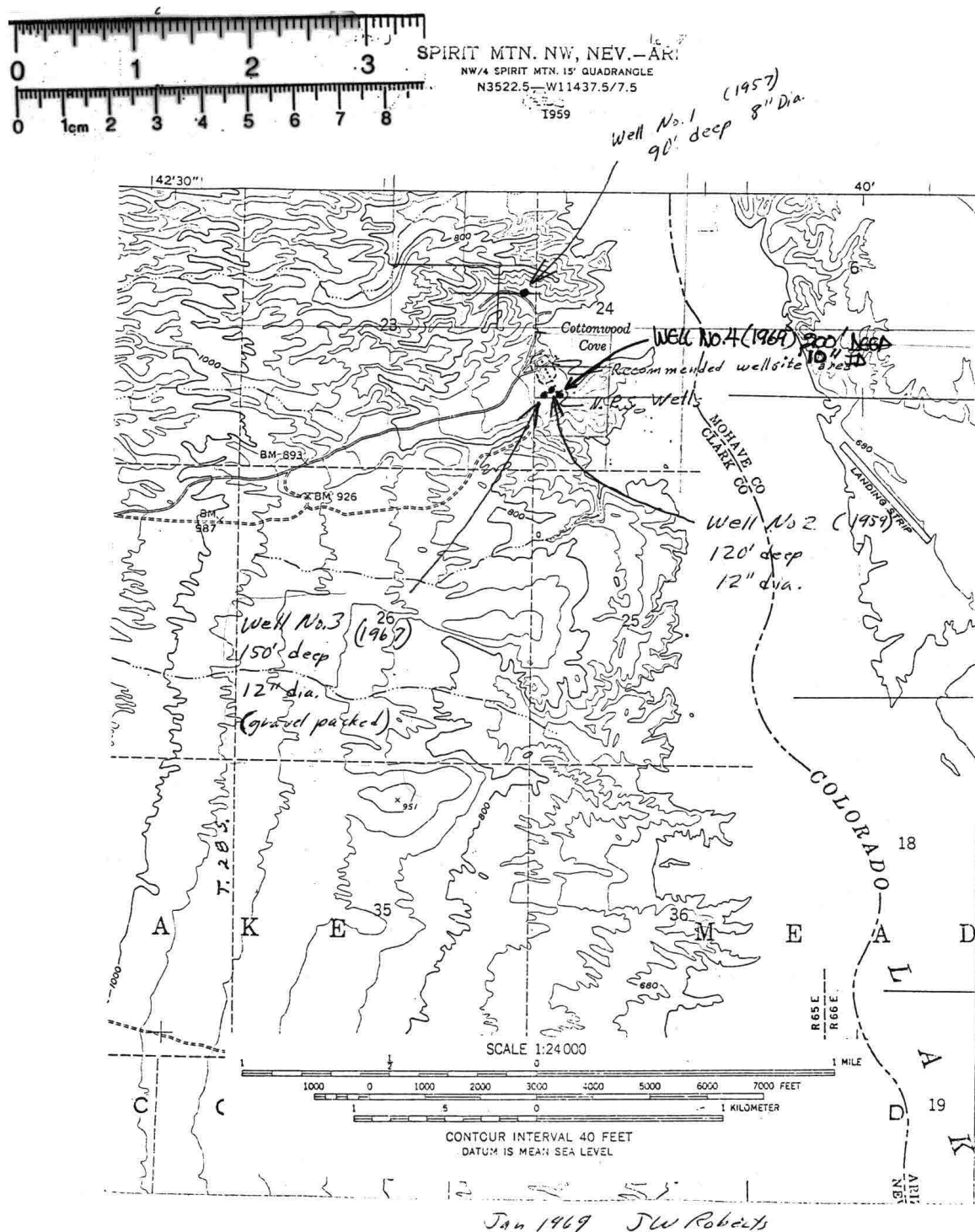
Sincerely yours,



H. M. Babcock
District Chief

cc: Ralph Stratton, San Francisco
Col. Curtis Richey, San Francisco
Phoenix Subdistrict





Docket Information

Number of Documents in Docket 6

Documents Dated from 1/15/1959 to 5/21/1976

Docket Compiled: 4/21/2011