



WATER-RIGHT DOCKET

Yosemite National Park

Docket No: 22

EL PORTAL WELL #7

Preliminary Docket Information

06-26-1996: notes to the file: primary water supply for el portal is from wells 2-7; well no. 1 is no longer in use

NOTES TO THE FILE

YOSE 010: El Portal Well #2
YOSE 012: El Portal Well #1
YOSE 018: El Portal Well #3
YOSE 019: El Portal Well #4
YOSE 020: El Portal Well #5
YOSE 021: El Portal Well #6
YOSE 022: El Portal Well #7

June 26, 1996

The primary water supply for El Portal is from wells 2 through 7. Well 1 is no longer in use. All 7 wells are thought to tap the underflow of the Merced River. For information pertaining to land status and riparian rights common to all the above dockets, please refer to YOSE 012: El Portal Well #1.

A handwritten signature in cursive script, appearing to read "Alice Johns".

Alice Johns
Hydrologist
Water Rights Branch
Water Resources Division

. . . R E P O R T O F T E L E P H O N E C O N V E R S A T I O N

DATE: June 26, 1996 TIME: 11:30 a.m.
PROJECT: YOSE - El Portal

NPS PERSON ON CALL: Alice E. Johns

[] I RECEIVED A CALL FROM [x] I CALLED

PERSON: Ed Walls
ORGANIZATION: Chief of Maintenance
ADDRESS: YOSE

TELEPHONE: 209-379-1077

DISCUSSION: I called for clarification on the current water system at El Portal. Ed said that the water system consists of 6 wells--numbers 2-7. Well number 1 is no longer in use. Number 7 has just gone on line.

He also asked about water right issues associated with Tuolumne Meadows. I told him that Steve Stone of DSC had requested a water right analysis, and that it would be next after El Portal and Biledo. If there was a need for it to be placed at a higher priority, I suggested that Ed talk to Mark Butler.

Ed said that he would call back with current information on well production. He called back and said that the current system is capable of producing 307 gpm. In 95, 42 million gallons were withdrawn. Averaged over the year, that is about 80 gpm. Withdrawals are about 100,000 gpd in winter, more 200,000 gpd in summer.

ACTION TO BE TAKEN:

COPIES TO:

QUADRUPLICATE
 Use to comply with
 local requirements

 STATE OF CALIFORNIA
 THE RESOURCES AGENCY
 DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

No. **321085 76**Notice of Intent No. **240348**

State Well No. _____

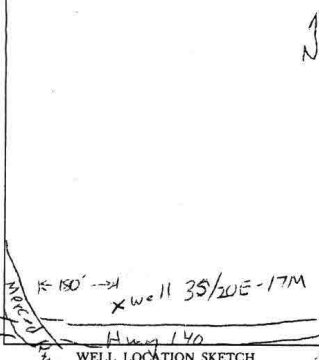
Local Permit No. or Date _____

Other Well No. **3S/20E-17M**

(1) OWNER: Name **National Park Service, c/o USGS** (12) WELL LOG: Total depth **78** ft. Completed depth **70.25** ft.
 Address **345 Middlefield Rd. MS-285**
 City **Menlo Park, Ca. 94025** ZIP _____
 (2) LOCATION OF WELL (See instructions):
 County **Mariposa** Owner's Well Number **3S/20E-17M**
 Well address if different from above _____
 Township **3 S** Range **20E** Section **17**
 Distance from cities, roads, railroads, fences, etc. **About 50' North of Hwy 140, about 180' East of Merced River.**

(3) TYPE OF WORK:
 New Well ☒ Deepening ☐
 Reconstruction ☐
 Reconditioning ☐
 Horizontal Well ☐
 Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
 Domestic ☐
 Irrigation ☐
 Industrial ☐
 Test Well ☐
 Municipal ☐
 Other ☒ **Adm. site**

WELL LOCATION SKETCH


(5) EQUIPMENT:
 Rotary ☐ Reverse ☐
 Cable ☒ Air ☐
 Other ☐ Bucket ☐

(6) GRAVEL PACK: **Monterey sand**
 Yes ☒ No ☐ Size **8-16**
 Diameter of bore **12"**
 Packed from **25** to **78** ft.

(7) CASING INSTALLED:
 Steel ☒ Plastic ☐ Concrete ☐
 Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
Up 3'	26'	10"	8"	26'	10"	31" 7"
21'	70'	21"	8"	39'	2"	43" 10"
43'	106'	21"	8"	63'	2"	66" 1"
66'	70.25'	21"	8"			

(8) PERFORATIONS:
 Type of perforation or size of screen

(9) WELL SEAL:
 Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth **25** ft.
 Were strata sealed against pollution? Yes ☐ No ☒ Interval _____ ft.
 Method of sealing _____

(10) WATER LEVELS:
 Depth of first water, if known **12 1/2** ft.
 Standing level after well completion **12 1/2** ft.

(11) WELL TESTS:
 Was well test made? Yes ☒ No ☐ If yes, by whom? **B. Belknap**
 Type of test **Pump** Air lift ☐ Bailer ☐
 Depth to water at start of test **12 1/2** ft. At end of test **12 1/2** ft.
 Discharge **28.7** gal/min after **24** hours Water temperature _____
 Chemical analysis made? Yes ☐ No ☒ If yes, by whom? _____
 Was electric log made? Yes ☐ No ☒ If yes, attach copy to this report _____

Pump test completed Oct. 6, 1989
 Well pumped 28.7 gpm from 41.80' pumping level. Almost all of the water appears to be entering the well through the top screen, causing the introduction of air into the water, limiting the production to the above figures (without pumping air at this date.)

 Work started **April 4** 19 **89** Completed **Oct. 7** 19 **89**
 WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

 Signed **Bill Belknap**
 (Well Driller)

 NAME **Bill Belknap**
 (Person, firm, or corporation) (Typed or printed)

 Address **P. O. Box 846**

 City **Reedley, Calif.** ZIP **93654**

 License No. **106833** Date of this report **10-18-89**

Other Supporting Information

. . . R E P O R T O F T E L E P H O N E C O N V E R S A T I O N

DATE: June 26, 1996 TIME: 11:10 a.m.
PROJECT: YOSE - El Portal

NPS PERSON ON CALL: Alice E. Johns

[] I RECEIVED A CALL FROM [x] I CALLED

PERSON: William Werrell
ORGANIZATION: DEVA
ADDRESS:

TELEPHONE: 619-786-3255

DISCUSSION: Bill's previous position was hydrologist with the Water Operations Branch of the Water Resources Division. In that capacity, Bill had provided technical assistance to Yosemite National Park, to find well locations, develop specs for drilling, conducting aquifer tests, and organizing information for wells. I asked Bill if he concurred with the conclusion that all the wells numbered 1-7 at El Portal tapped the underflow of the river. He said yes he did and that I could reference this telephone conversation in the water rights report. He said there is the possibility of a pretty good sized crevice that would bring in something in from the side. Its pretty subjective as to what it would produce relative to the Merced, but it is probably small relative to the Merced. The Merced is so large with a large supply of water, it is the dominant supply. Glacial four has been sealing up the permeabilities, and there are problems drilling wells. Bill has recommended to DSC that the dig a deep ditch, fill it with sand, breach it, put well screen in and some casing, then get filtration from the river, and its permeable enough to let water in.

ACTION TO BE TAKEN:

COPIES TO:



United States Department of the Interior
NATIONAL PARK SERVICE
DENVER SERVICE CENTER
755 Parfet Street
P.O. Box 25287
Denver, Colorado 80225-0287

IN REPLY REFER TO:

D50 (DSC-TWE)

AUG 22 1986

Memorandum

To: Chief, Water Resources Division, Fort Collins

From: Assistant Manager, Western Team, Denver Service Center

Reference: Yosemite National Park, Package 504AA, Survey Roads and Utilities, El Portal

Subject: Public Water Supply Wells

A supplemental groundwater supply of 240 gpm is desired to meet the needs of planned El Portal development currently scheduled for construction in the 1988 fiscal year. As discussed between Messrs. Werrell and Hart on August 19, the division's services are being requested for preparation of specifications and project supervision of contract drilling, screening, developing and completing of public water supply wells to meet this need.

Dr. Alvin L. Franks has already reviewed existing geologic reports, visited the site and run a seismic refraction survey for determination of subsurface conditions; his report makes conclusions and recommendations for developing a supplemental groundwater supply of 240 gpm for El Portal. The report entitled "Geologic and Seismic Reconnaissance for Water Supply for Yosemite National Park El Portal Area" is enclosed.

We would like to have the yield confirmed by mid April 1987 at the latest so that project design can proceed in an orderly fashion. May we have your concurrence and workload analysis by the earliest possible date so we can budget to meet the division's FY 87 needs.

Walter P. Chapman
for Caleb G. Cooper

Enclosure

cc:
Supt., Yosemite National Park
Reg., Western Region

~~William Worrell~~ *WWR* 9/15

TWP 9/15
~~Thomas W. Lucke~~

September 15, 1986

L54 (479)
YOSL/General

Memorandum:

To: Assistant Manager, Western Team, Denver Service Center

From: Chief, Water Resources Division

Subject: Public water supply wells (test wells), Yosemite NP

We have reviewed your request for assistance in providing exploratory drilling in the El Portal area of Yosemite. From your memorandum of August 22, 1986, and telephone discussions with Mr. Felton Brunson of your staff, we understand that an additional quantity of groundwater in the amount of some 240 gallons per minute will soon be needed as this area is further developed.

We will be pleased to provide this assistance by preparation of contract specifications, attendance at the pre-construction conference, providing assistance to your Contracting Officer's Authorized Representative during the drilling operation, and in conducting and analyzing the aquifer test. Assistance during the drilling will be provided by telephone contact and should be expected to require some on-site efforts.

As you may know, there are 6 wells in the area now, 5 of which have been drilled with efforts by members of our Water Services Branch. We appreciate the additional data provided by consultant Franks' report. The underlying hypothesis of his work is to determine the greatest thickness of alluvial material using seismic data and position wells there. The development of new wells within the narrow valley composed of relatively thin heterogeneous alluvial material presents an interesting challenge.

To provide this assistance, we would appreciate your making the necessary travel funds available. A review of our work schedule indicates that we can prepare the contract in early November. This should allow adequate time for the drilling and testing to be completed by mid April as desired.

To completely scope out the project and discuss possible problems, would it be possible for you and/or Mr. Brunson to visit our office in Fort Collins sometime in October? We feel that such a meeting would facilitate the project and resolve some problems before they arise.

Thomas W. Lucke

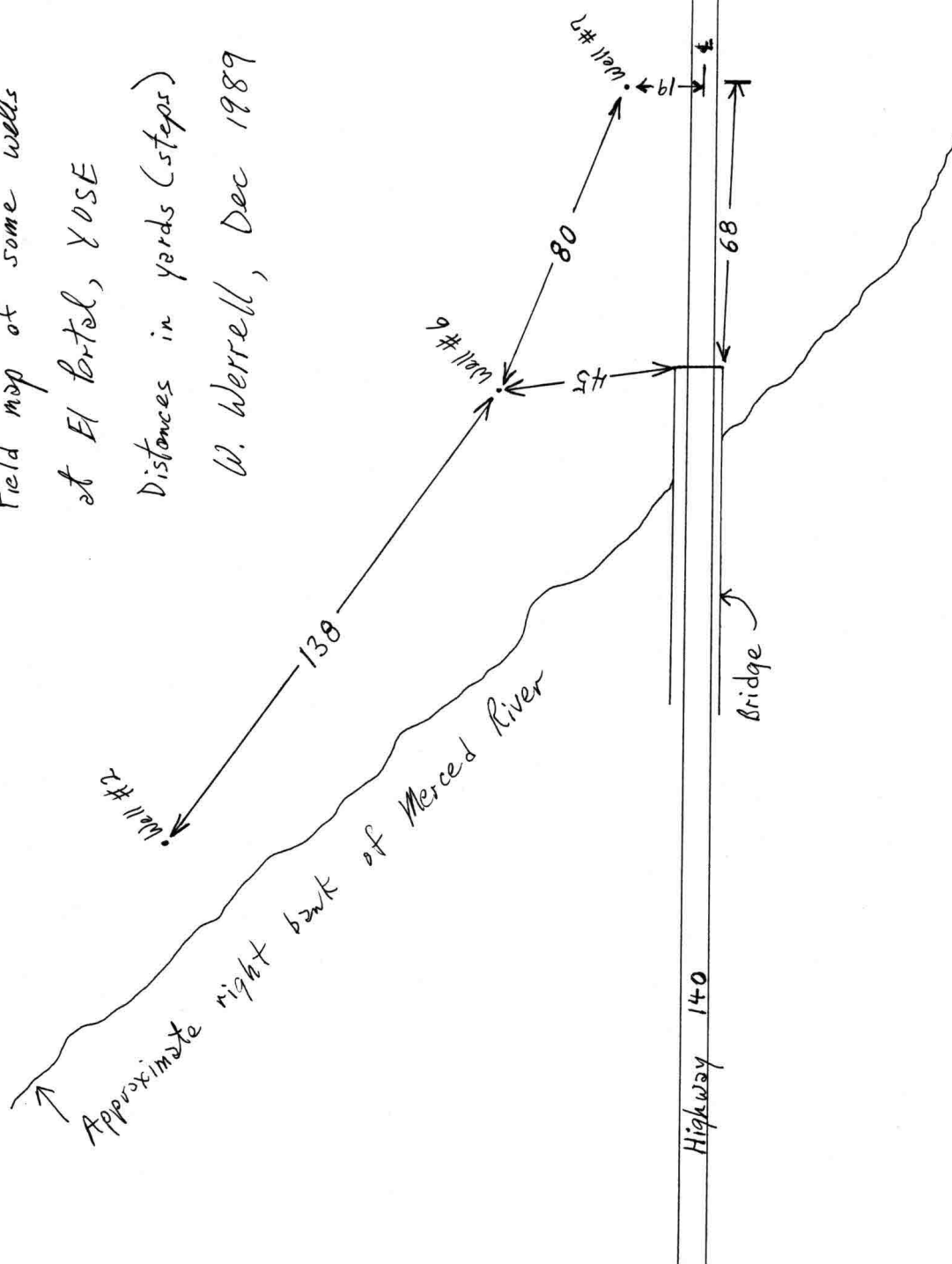
Thomas W. Lucke

FNP:WVERRELL:gfz:9/15/86:221-5341:H:0905YOSE.WW

cc: Regional Director, WR w/inc



Field map of some wells
at El Portal, YOSE
Distances in yards (steps)
W. Werrell, Dec 1989



Docket Information

Number of Documents in Docket 9

Documents Dated from 6/15/1947 to 6/26/1996

Docket Compiled: 7/29/2011