WARNER DAM THROUGH INDIAN DAN LAND

From the papers of Ed Fletcher, the following letters were removed to the alphabetized correspondence files

FALL, A.B.

Fall to Fletcher, 6/26/22

Fall to San Diego Consolidated Gas and Electric Co., 6/23/22
Fletcher to JOHNSON, Hiram (Senator), 6/24/22
LIPPINCOTT, J.B. to Fletcher, 7/1/22
Fletcher to PORTERFIELD, W.H., 6/24/22
TREANOR, John

Treanor to Fletcher, 6/22/22

Fletcher to Treanor, [2 letters] 6/24/22, 6/28/22

Fletcher to WICKHAM, George R., 6/24/22

DEPARTMENT OF THE INTERIOR UNITED STATES INDIAN IRRIGATION SERVICE Superintendent of Irrigation 528 Federal Building

Re effect of Warner Dam on Rincon Reservation. Los Angeles, Cal., October 31, 1917

Col. Ed Fletcher,
Fletcher Building,
San Diego, Cal.
Dear Sir:-

In accordance with your request to Mr. Reed, we have made a further investigation of the effect of the building of the Warner dam on the Rincon Reservation, and we wish to submit the following provisions as suggestions as to what we think should be incorporated in the contract. After we come to an agreement as to the provisions, they will be submitted to Mr. Reed for his approval, and if satisfactory, Mr. Reeves will then draw up the formal contract.

From former conversations with you, it is my understanding that you would rather furnish power than water, and in case of a drouth would rather drill and equip one or more wells if that would save furnishing compensation water. The building of the dam will probably affect the operation of the Escondido Mutual Water Co's power plant on the Rincon Reservation during certain months of the year and will shotten the period during which it can be operated, especially during the irrigating season. While that plant is in pperation the

Indians receive gravity water at the lower level of the reservation, and the only power required is for the booster plants (Nos. 4 and 5). At the same time, as long as that plant can be run, the Indians receive power for 1/8¢ per K. W. H. When it becomes necessary to shut down that plant, the power from Escondido costs 1-1/2¢ per K. W. H.

Eliminating the water rising above the proposed dam shortens the period during which the Indians could receive gravity water and cheap power by an amount depending on the rainfall, which varies from year to year. To trace back to the sources of the river to find out when the water at the intake of the Escondido Ditch would have fallen below a certain amount, had the dam not been built, would involve an endless amount of controversy and perhaps litigation. It therefore seems best to us to take average conditions and let rates for power change on a certain definite day each year. In this way the Indians will lose out during flood years and the Volcan Water Co. during dry years.

The elimination of the water rising above the dam will probably so reduce the flow of the river that the Escondido Canal could carry all of it except immediately after heavy rains. It will be essential that sufficient water be turned down the river to fill the sands, but it will not be mecessary to turn more than the sands can absorb. As the Escondido people have always acknowledged the prior rights of the Indians to the low water flow, they will now have to acknowledged.

edge their prior rights to enough of the flood water to fill the sands. A part of this water can be run through the penstock and usedfor generating power.

The greater draft on the underground supply, due to curtailing the surface flow during the irrigating season, will tend to lower the water plane more than under present conditions and will therefore slightly increase the lift on the pumps at power plants Nos. 1, 2 and 3. The amount of this water lift will vary with the season and would be a very difficult matter to decide. The best data we have at present indicates that the average amount of this extra lift would be approximately 2-1/2 feet, which will require 5 K. W. H. per acre foot, which power should be furnished free. When the present system is completed, we will be able to take water from the penstock at a point high enough to emable us to place water by gravity on any point of the fields. This can be done only after the flow has become too small to run the power plant, and while there is still about a second foot flowing. This period would average about a month, and naturally comes when the 1-1/2¢ rate is being paid for power. To compensate for this, power should be supplied free to the two booster plants (Nos. 4 and 5) for one month, from June 15 to July 15.

In accordance with the above conditions, we believe that the following points should be included in the contract:-

I - The consent of the Escondido Mutual Water Co. to the curtailment of water for power purposes shall first be obtained and any damages which it may cause them will be paid by the Volcan Water Co.

II - Until June 15th of each year, either free gravity water shall be supplied the Indians at the penstock to the extent of 6 sec. ft., or free power shall be supplied to the lower pumping plants, Nos. 1, 2 and 3, to make up the deficiency.

III - To compensate for the increased lift on the lower plants, due to a lowering of the water plane, 5 K. W. H. per acre foot pumped by Plants Nos. 1, 2 and 3 shall be provided free throughout the irrigating season. The amount pumped is to be determined by the number of hours run and the capacity of each plant.

IV - To compensate for loss of high pressure water after the power plant is shut down, free power shall be provided to the two booster plants (Nos. 4 and 5) for one month from June 15 to July 15 of each year.

V - All power used by the Indians not furnished free as provided for elsewhere shall be paid for at the rate of 1/8¢ per K. W. H. before June 15, and not to exceed 1-1/2¢ per K. W. H. thereafter.

VI - The Indian Service is to be given first right to
the flood water in order to fill the underground reservoirs
to the greatest extent possible. Sufficient flood water shall

be turned down the bed of the river during the rainy season to maintain a small continuous flow to the northern boundary of the reservation until such water shall be required for irrigation. Such water, or a part of it, may be run through the penstock but should be discharged into the river as high upstream as possible.

VII - In case the elimination of the surface water shall demonstrate that the present wells are inadequate, or in case the water plane shall be lowered to such an extent that the wells cannot deliver sufficient water, the Volcan Water Co. is to furnish sufficient compensation water or shall drill one or more wells and furnish these new wells with pumps, motors, pump houses, etc., and connect the pumps to the present pipe lines and operate the plants free of charge to the Indian Service. The location of the well or wells and the type of pumps, motors, and size and kind of pipe shall be approved by the Indian Service.

Trusting that these conditions may prove satisfactory or that any changes you wish to make can be approved by us, I remain,

Yours truly,

U. S. INDIAN SERVICE.

BY H. K. Palmer
Assistant Engineer

HKP/AR

November 6, 1917

Col. Ed Flotcher, Mgr V L & W Co.

Dear Sir:-

Subject: Volcan - Rincon Proposed Contract

I have your letter with that of Mr. Palmer's in which he suggests stipulations to include in the contract between the above named parties. I have not enough information on this matter to completely figure it outgor are the stipulations of Mr. Palmer entirely definite as to the quantites of water or electricity that will be required.

Reviewing his letter we have (1) CURTAILMENT OF WATER FOR POWER ESC. HUT. W. CO.

There is no clause in the Esc. But. W. Co. - Volcan agreement which relieves the Volcan Company of supplying water to the Indians nor is the Escondido But. W. Co. relieved in this obligation because of the operation of the Volcan Company. It is required that the Volcan Company furnish water through the Escondido flume for use at the Indian Power House and while the Volcan Company is under no obligation to allow the Escondido Mut. W. Co. to generate power for other purposes than for the use of the Indians, still it is under obligation to the extent that the late summer flow in the San Luis Rey River will begin to obb earlier in the year and cut off the water that was to be used for power during the first succeeding months. To this extent perhaps it will be necessary to make some additional agreement with the Esc. But. W. Co.

(2, 3 and 4) FREE WATER OR ITS EQUIVALENT.

Those paragraphs are quite elaborate, and offhand it seems to me that if sufficient water or power is guaranteed the Indians to allow them a maximum irrigation supply equal to an agreed duty of water per acre cultivated (1 Miners Inch per 8 acres) would be all that is necessary.

In this ho states tater should be supplied free at the penstock from January 1st to June 15th and additional free electricity supplied at the power plant from June 15th to July 15th. In the contract between the Escendide Lutual Later Company and the Rincon Indians it stated that the maximum Indian demand would be 6 sec. ft. or its power equivalent, which is assumed to be 70 K. W. This free power supply would then probably become a maximum of 70 K.W. or its equivalent - 6 sec. ft., which Hr. Palmer mentions. After the dam is built, San Luis Rey River at Escendide Ditch will pass only 1/10th of the water that is now flowing. This 1/10th flow is nearly as large as the maximum

November 1, 1917.

Mr. Ellis:

Enclosed find letter from the Indian Service, which is strictly confidential. I want you to figure it out — this power proposition, and what are the total obligations we are assuming if we sign a contract along these lines. How much would it cost a year. I have written the Indian Service today that I do not see why we have to go to the Escondido Water Co. as we have a contract, and sent Mr. Palmer a copy of the contract today.

Please return this letter together with your comments as to what is the perpetual obligation in dollars and cents that we are assuming.

Ed Fletcher.

demand of both the Escondido Mutual Water Company and the Indians. Quite frequently, however, the supply for the Escondido Ditch will have to be increased by letting down water from the Warner Reservoir partially in order to reserve the summer flow from the water shed below the Warner Dam for the Indians.

and this will begin at an early date, probably May 1st. So if from May 1st until June 15th we assume a gradual increasing use of power to supply the Indian domand until a maximum of 70 K.W. is reached and allow this to continue until July 15th, a maximum supply of 70 K.W. for 55 days will have been furnished. If this power can be obtained for 15 cents per K.W.H., the cost for power alone will be \$1,355.

(5) ADDITIONAL POWER TO BE SOLD TO INDIANS.

I presume this clause refers to the right of the Indians to purchase all the power developed at the plant on the reservation and more if they need it at a price of 1/8 cent per M.V.H. until June 15th. After this time it is assumed that the power will be furnished from some outside plant when the sale price would then be 1½ cents per M.V.H. This later sale price may possibly work to the interest of both parties providing the amount sold is sufficient.

(6) FLOOD WATERS.

down in sufficient quantity to keep a small stream running over the sands of the creek bottom in the reservation during the rainy season. This might work a hardship during the dry years moves benefit would be derived from a sufficient supply of irrigation water, in which case an extensive saturation would be of little use to crops irrigated in the summer. It is probable that local rains and the excess run-off from the 32 square miles of watershed below Tarners Dam would suffice to maintain the water in the se sands to a large extent.

The 6 sec. ft. discharge should be allowed as soon after January 1st as the stream flow would permit. The Indian Service would receive all the water flowing in the river over and above 4,140 acre feet, the amount which is to be diverted by the Esc. Mut. Water Co. This will permit them to receive the summer flow from 32 miles of watershed below the Warner Dam, providing of course that when necessary, the Volcan Company let down sufficient additional water to make up this amount in the early part of the year.

(7) ADDITIONAL PUMPING INSTALLATION.

This stipulation will cause confusion. It is improbable that additional pumps would have to be installed. From a knowledge of similar cases, a certain duty of water could be allowed which would better protect the Company and still not inconvenience the Indians. If a sufficient irrigation supply was allowed, the fact that the water plane was temporarily lowered would be of little consequence.

A maximum domestic supply could be allowed when no irrigation water is being used of so many gallons per capita per day (55 gallons).

Yours very truly,

TPE: BK

Thos . P. Ellis.

- (1) Rincon Indians entitled to a maximum flow of San Luis Rey River of ----- 6 sec. ft.
- (3) Road and pole line R's of W to above.
- (4) Escondido Mut. Water Co. furnishes power for pumping as follows:
- (a) The Rincon Indians to get all of above power and if water through power house is less than 6 sec. ft., the River reserve can be drawn upon and water furnished Indians through penstock.
- (b) Maximum power demand of Indians 70 K. W. The pumped water plus the total through power house not to exceed 6 sec. ft.

 To be paid for at 1/8 cent K.W.H.
- (5) When San Luis Rey River at Ditch Intakes fall below 3 sec.ft., the Esc. M.W.Co. to furnish power from its Escondido plant to produce the above requirement, viz., 70 K.W. for 6 sec. ft. pumped water rate of cost 1.5 cents K.W.H.

The Indians reserve the right to a 3 sec. ft. minimum flow at the Intake of Ditch during months of July, August, September and October and a minimum flow of 6 sec. ft. the remaining 8 months of the year. All to be delivered through the ditch and 2 sec.ft. through penstock and the remaining 4 sec. ft. subject to the disposal of the Esc. M. W. Co.

(6) The sale of electric power subject to rules and regulations of Esc. Mut. W. Co. and State Laws.

ESCONDIDO MUT. W. CO. - VOLCAN L.& W. CO.AGREEMENT (June 21st, 1912)

(Itemized for your information)

- (1) Esc. M.W.Co. waives all rights to object to the Warner Construction or the storage or runoff above the dam.
- (2) Volcan L & W Co. (Henshaw) relinquishes all claim to the runoff of watershed between Warner Dam and Escondido Ditch; also any seepage from dam.
- (3) Esc. Mut. W. Co. has right to divert 2,000 sed. ft. or 4140 se. ft. per year provided the runoff of all sheds above the Ditch is in excess of that amount.
- (4) If the 4140 ac. ft. (1,350,000,000 gals) can be obtained in any year at the Ditch intake, Mr. Henshaw will not be called upon for additional water during that year.
- (5) Esc. M.W.Co. to divert during winter season from Nov. 1st to July 1st.
- (6) Any flow in the River during the winter months, Nov.lst to July 1st, not exceeding two sec. ft. plus the water required by the Indians shall not be included in 4140 ac.ft.
- (7) During the winter season, Nov.lst to July 1st, the Esc.Mut. W. Co. to divert 40 sec.ft. (2,000 M.I.) Mr. Henshaw may augment the stream flow from storage water to produce this result.
- (8) Inability of Esc. Mut. W. Co. to receive a 40 sec.ft.

 (27,000,000 gals. per day) flow from Nov. 1st to July 1st when same
 is available shall be charged with the total volume entitled, except
 in case of break in Esc. M.W.Co. system between Nov. 1st and Apr. 15th,
 when same, if being supplied from Volcan Reservoirs shall be accredited.

- (9) One quarter of any yearly deficiency which Mr. Henshaw may be called upon to deliver may be delivered to the Esc. Mut. W.Co. at head of pipe leading to Escondido City Reservoir Elevation 888 feet.
- (10) The volume of water to be delivered to the Escondido
 M.W.Co. by Mr. Henshaw in any year shall not exceed the volume of
 water that could be diverted if the xhave dam were not constructed.

Table No. 1.

Total and Net Diversion of Escondido Ditch, and Amount of Water Turned out to Rincon Reservation.

Quantities in acre feet.

	Total Diversion	Water delivered to Indians	Net Diversion Esc. M.W.Co.	
1896-97	6,017		6,017	
97- 98	3,881	131	3,750	
98-99	1,765	194	1,571	
99-00	2,003	440	1,563	
1900-01	2,795		2,795	
01-02	No record			
02-03	4,237		4,237	
03-04	No flume			
04-05	3,435		3,435	
05-06	1,922		1,922	14
06-07	2,247		2,247	
07-08	3,408	465	2,943	
08-09	4,173	296	3,877	
09-10	2,999	359	2,640	
1910-11	3,968		3,968	4
11-12	3,088	30	3,058	
12-13	2,960	32	2,928	
13-14	5,932	87	5,845	
14-15	7,277		7,277	* *
Avg. 17 yr:	B 3,653		3,534	

Table No. 2

Runoff San Luis Rey River at Ditch Intake

Escondido Mutual Water Company

1895-96 - 1914-15

	: (1)	: (2) :	(3)	: (4) :	(5)
Season	: Runoff : Ac. Ft : at : Warner	: Total Runoff: : Acre Feet : at Pala : 318 sq.mi.	Increased Flow Warner's to Pala	Runoff 32 sq.mi. above Intake	Runoff Ac.Ft. Passing Intake Escondido Mut- uel Water Co.
1895-96	7850	12600	47750	1700	公开。1000年100日 1000
96-97	: 19200	: 30800 :	4750 11600	1390 :	9240
97-98	: 4360	7000	2640	3400 :	22600
98-99	: 2180	: 3500 :	1320	770 :	5130
99-00	: 1740	: 2800 :	1060	390 : 310 :	2570
1900-01	: 15500	: 24150 :	8650	2530	2050
01-02	The state of the s	: 11900 :	4490	1310	18030
02-03	The second secon	: 26600 :	10030	2940	8720
03-04	: 3720	7680	3960	1160	19510
04-05	: 33700	: 45435	11735	3440	4880
05-06	: 67910	: 109922	42012	12300	37140
06-07	: 59500	: 85247 :	25747	7540	80210
07-08	: 14830	28308	13478	3950	67040
08-09	: 35300	: 52773	17473	5120	18780
09-10	: 25950	: 49639	23689	6940	40420
10-11	: 21160	36348	15188	4450	32890
	: 12000	: 18598 :	6598	1940	25610
12-13			3217	940	13940
13-14			13198	3870	6853
	: 60435	: 101707 :	41272	12100	26504
20 year			THE SECRET HER LAND HER	10100	72535
Average	: 21890	35000 :	13105	3840	057770
				0040	25730

Table No. 3

AVERAGE DAILY DIVERSION FROM SAN LUIS REY RIVER INTAKE OF ESCONDIDO MUTUAL WATER CO. DITCH Quantities in Second Feet

Month	1896-97	1897-98	1898-99	1899-00	1900-01	1902-03	
Oct.	2.3						
Nov.	4.6				4.9	0.3	
Dec.	7.1	6.3			1.1	0.5	
Jan.	16.7	16.9	2:5	8.1	10.6	5.7	
Feb.	24.2	15.4	11.0	6.1	9.8	23.0	All Property
Mar.	23.1	19.5	11.7	5.8	13.8	21.3	
Apr.	19.7	5.9	47.4	7.4	6.7	17.0	
May	3.5			5.9		3.7	
June							
July				An All			
Aug.							
Sept.							

Month Oct.	1904-05	1905-06	2.1	1908-08	1908-09	1909-10		
Nov.			1.1	1.5	1.3			
Dec.			17.2	9.6	6.7			
Jan.		7.3	2.5	9.9	9.0	8.2	100	3
Feb.		21.5		5.4	7.2	14.4		
Mar.	18.5	4.6		7.2	13.7	9.1		
Apr.	27.3			12.0	15.4	6.5		
May	11.0		4.5	10.1	10.2	6.4	100	
June			8.4	0.9	6.1	1.7		
July			1.1		1.7	0.5		
Aug. Sept.						0.3		

Honth	1910-11	1911-12	1912-13	1913-14	1914-15	Avg. Daily
Oct.						0.3
Nov.						0.8
Dec.	2.7		3.0	4.0	9.0	3.9
Jan.	8.0	8.0	3.6	11:0	14.6	8.4
Feb.	9.7	5.5	9.5	16.7	16.5	11.5
Mar.	19.0	8.0	21:1	31.7	19.4	14.5
Apr.	19.3	7.7	12.0	14.9	15.4	13.7
May	7.6	21.7	0.3	17.0	6.7	6.4
June		0.2		3.8	13.3	2.0
July					12.2	1.0
Aug.						
Sept.						

The above includes water turned out to the Rincon Ind. Reservation.

Table No. 4

MEAN DAILY USE OF WATER - RINCON INDIAN RESERVATION - TURNED

OUT FROM ESCONDIDO MUTUAL WATER CO. FLUME

Quantities in Second Beet.

Month	1898	1899	1900	1908	1909		
October November December January February							
March	2.5		4.7				
April	3.0	6.5	4.6				
May		6 10 10 10		9.6	7 4		
June	SPECIAL TANK	- 4		de la Carlo	3.4		
July August				100	2.1	1- "	
September							
	1000						

Month	1910	1912	1913	1914	Waximum	Average
October November December January February March April May June July August September	6.3 2.2 1.0 1.0	3.0	4.0	4.0	4.7 6.5 9.6 3.4 2.1 1.0	0.8 1.6 3.0 0.6 0.3 0.2

The above table is of interest only to show comparative water usage each month over long period.

Ed Fletcher Papers

1870-1955

MSS.81

Box: 49 Folder: 4

Business Records - Water Companies - Volcan Land and Water Company - San Dieguito System - Volcan-Escondido Mutual Water Company Agreement - U.S. Indian Service, re Rincon Corner



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