

## TATE WATER RIGHTS BOARD

## REPORT OF INSPECTION

W.C.  
5/17/68  
MAY 23 '68 AAC

Application 553 Owner Southern Pacific Company  
Permit \_\_\_\_\_ Address 65 Market Street  
License 659 San Francisco, California 94105

Date of Inspection April 16, 1968 Inspected by D. J. Leve *A. J. Leve*  
Accompanied by Thomas C. Bridges, Water Supervisor (S.P. Co.), A. L. Severtson  
Persons interviewed (Mr. Bridges Ass't), Bob Bailiff (lessee of SP land), and Mr  
~~Reason for Inspection~~ Patrick Rogers, General Manager of the Cabazon County Water District  
Reason for inspection: No report of licensee

## Filing Data

Date filed January 3, 1917 Amount allowed 0.16 cfs (about 72 gpm)  
Date approved Licensed: January 31, 1928 Season January 1 - December 31  
Time allowed to complete In license Purpose Irrigation  
Permitted acreage, if irrigation 13

## Recommendation

NO ACTION AT THIS TIME . Revisit in 1969 to determine if use of water has  
recommenced.

## Source

Name Springs arising in Millard Canyon Is record of flow maintained? No  
Tributary to ~~XXXXXXXXXX~~ San Gogonio Wash If so, by whom? --  
County Riverside Is supply natural flow? Yes  
From (direction) North Estimated minimum flow Unknown  
During what portion of year does minimum flow occur? Late summer and fall  
Measured or estimated flow at time of inspection 8 gpm (measured by SP personnel May 7, 1968)

## Diversion System

Is point of diversion at location specified in permit, license or order? Yes  
If not, when will petition be submitted? ---  
If diversion point has been moved, roughly describe present location with respect to authorized location ---  
Would change cause any injury? ---  
Is diversion by gravity or pumping? Gravity  
Is diversion system complete? Yes \* If not, briefly explain what remains to be done \*See remarks  
If not complete, does it appear to have been pursued with reasonable diligence? See Remarks  
What is the capacity of the limiting section? See Remarks  
Explain briefly manner of determining above capacity See Remarks

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MAY 24 '68 S.S.S.

SW

1968  
Inspection

4th Inspection

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### Place of Use

Name of place of use (if there is one in local usage) None

Briefly describe any changes from place of use as described in license or order No changes

Is petition required? -- If so, indicate when it will be submitted ---

Does licensee own or control all of the land covered under license? Yes

### Use of Water

Briefly describe method of applying water to each of the uses described in license No use has been made of water under this license for about 3 to 4 years other than some ~~than~~ for non-licensed domestic and stockwatering uses. SEE REMARKS

Does season of use conform to season shown on license? No use If different, describe ---

List approximate acreage of each individual crop served in each of the past three seasons (If use is other than irrigation list applicable units served or if storage is involved state whether or not reservoir filled each year and give approximate withdrawal)

None. See REMARKS.

Give approximate rate of use during maximum period and briefly describe manner of computing same No use in recent years

If rate of use is less than amount shown in license, state reason for reduction in use and whether or not it will be the normal situation in the future Changes in the diversion system by the Cabazon County Water District prevented use of water under the amounts and conditions of the license. See REMARKS.

## REMARKS

Application 553  
License 659

At the time of inspection preliminary discussions with Messrs. Bridges, Severtson, and Bailiff, brought to the writer's attention that no use of water, other than for minor domestic purposes, had been made under the subject license for a period of about 3 or 4 years. According to them, the diversion system had been materially changed by the Cabazon County Water District whereby the licensee, Southern Pacific Co., or the lessee of their land (place of use), had been unable to receive water from the source point of diversion (the District is holder of License 660 from the same point of diversion as the subject license and of the same priority). When inspected in 1964, the diversion works comprised a flowing spring west of the creek, aided by a concrete cutoff wall, and another point on the east side of the creek with a submerged cutoff intercepting percolating water flowing under the bed of the creek. Water developed at both of these points flowed into a "common" box and thence downline to another box from which diversion could be made to the place of use as needed. At the current inspection it was seen that extensive changes had been made to the entire diversion system serving this license. The easterly point of diversion, the "common" box, the diverting box, and all pipelines existing in 1964 had been either disconnected or destroyed to a distance of about 910' downline from the source points of diversion. However, the westerly point, the spring, had been extensively redeveloped and converted from a surface intake works to a drilled, cased (perforated), and gravel packed manhole and intake leach line. Also, new 6" A C pipe has been installed replacing the portions of the former main diversion pipeline which had been removed. According to Mr. Rodgers of the Water District, the redevelopment has substantially increased the amount and efficiency of the source output, said output being the common supply for the subject/<sup>license</sup>and for the District's License 660.

In redeveloping the system for their own use, the District did not reconnect the line through which water could be diverted from the main line to the place of use for the subject license. After some time however, the District installed the "Loop" shown on the accompanying sketch from which a section of 1" line was installed leading, through a 1" valve, to the existing 2" line to the place of use. According to Mr. Rodgers, the loop connection served a twofold purpose. It physically enables a connection to be made near the ground surface instead of 8' to 10' below at the main line depth, and more important, by use of the valve in the main line at the loop the flow in the main line can be throttled down so to back water up into the manhole thereby raising the head available at the loop diversion line. This

REMARKS continued:

throttling technique was necessary because redevelopment of the source spring had resulted in lowering of the outlet line therefrom with a resulting loss of output head (the outflow system is capable of taking all of the production without an accumulation of water in the manhole with a resulting head near the outflow pipe invert elevation).

Capacity of the diversion system to the place of use is unable to be determined because the maximum head the source will develop under full throttled conditions is unknown. However under similar conditions to the date of inspection, at which time a 7' 10" head was present in the manhole above invert elevation, the capacity of the 1" diversion line was tested and found to be 8 gpm (measured by Southern Pacific Co. personnel on May 7, 1968). This amount is insufficient for irrigation purposes and accordingly all irrigation has ceased and the water is presently being used for domestic and stockwatering purposes only. However, according to the licensee's representative Mr. Bridges, the Southern Pacific Company intends to maintain this water right by making full use of the licensed amount for the purpose of irrigation. Mr. Bridges stated to the writer subsequent to the inspection, that his Company plans to replace the 1" outlet and line from the loop with a 4" line about 85' long and thence into new 2" lines to the place of use (due to the long period when water was unavailable the pipes deteriorated and are badly clogged and must be replaced). Under the present intake system the changes contemplated, if installed, would result in a diversion capacity far in excess of the licensed amount. Also, Mr. Bridges stated that he has recommended that the lease to Mr. Bailiff, or any subsequent lessee, should require operations by the lessee which will make use of the water as provided under the licensed conditions.

Conclusions and recommendations: There is no doubt that there was a lapse in use of water under this license for about 3 years. However it appears that this was at least partially due to actions of the Cabazon County Water District. Discussions held with representatives of both the licensee and the District have led to an understanding of the problems involved and they have indicated that they will work together to solve the problems. It is recommended that no action be taken at this time. However another visit should be made in 1969 in order to determine if the use of water has recommenced.

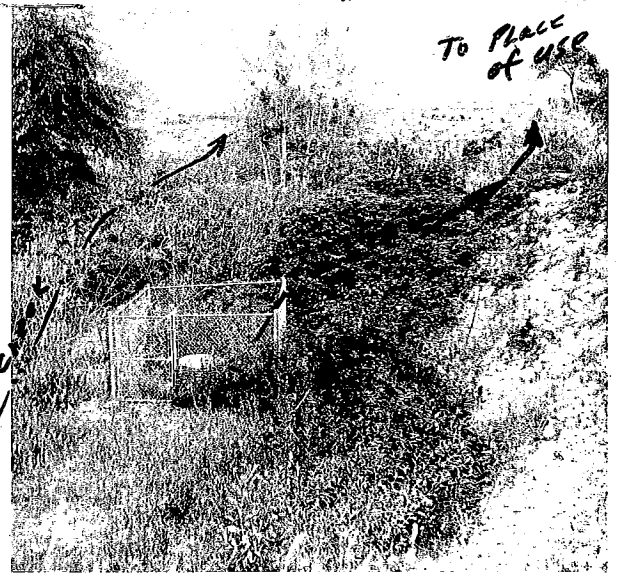
*D. J. Luce*

A552 L659



OLD EAST POINT (POD) ABD

RJX. Photo 1

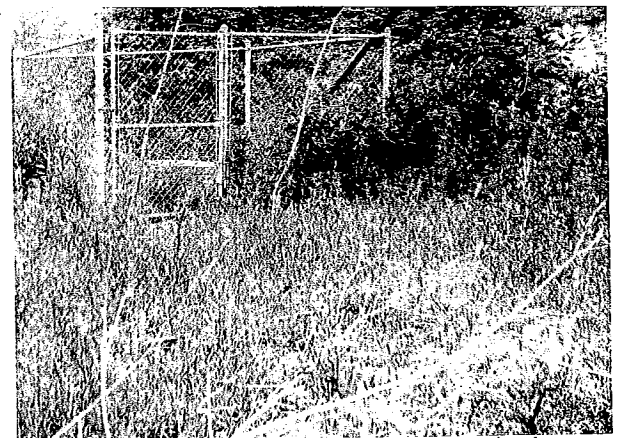


POD 4/16/68



A553 L659

RJX. 4/16/68



POD 4/16/68

Photo 2



DIVERTING BOX (ABD) PLACE OF USE Photo 7

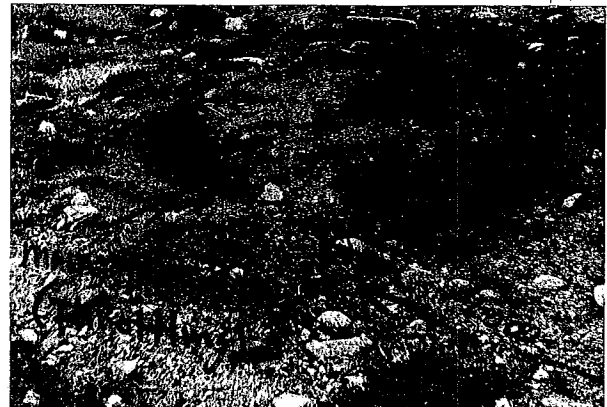


PORTION OF OLD LINE TORN OUT Photo 3



Irrig. ditch 5/6 Diverting Box. Photo 6

RJX.



VALVES AT "LOOP" Photo 4

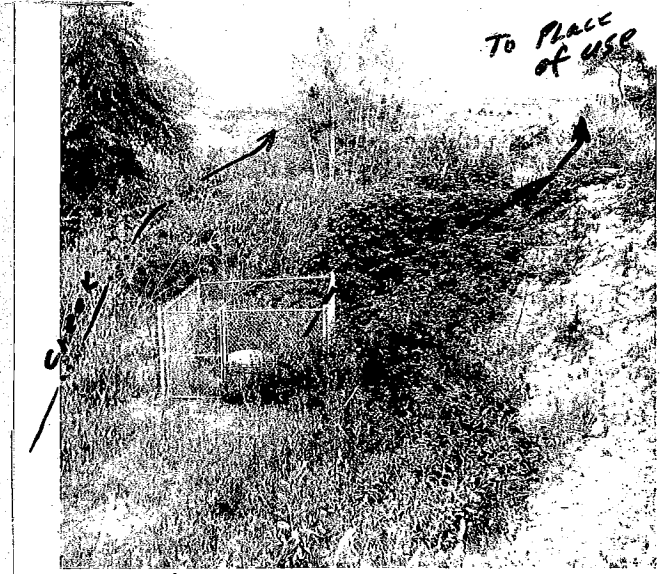


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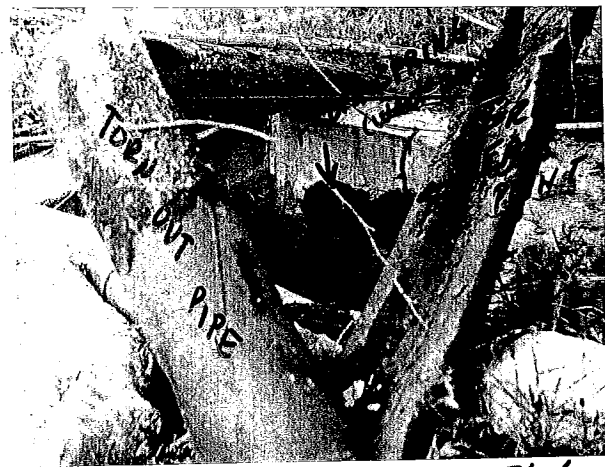


OLD EAST POINT (POD) ABD

DLX. Photo 1

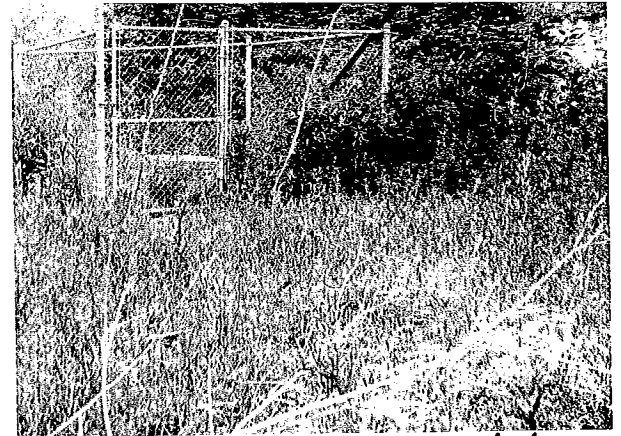


POD 4/16/68



ABD "COMMON" BOX

Photo 6



POD 4/16/68

Photo 2



A553 L659

Domestic use (not licensed)

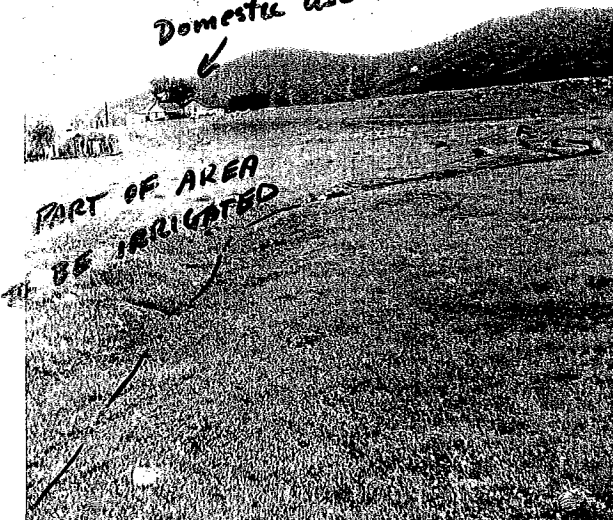


Photo 8



PORTION OF OLD LINE TORN OUT

Photo 3

DLX.



VALVES AT "LOOP"

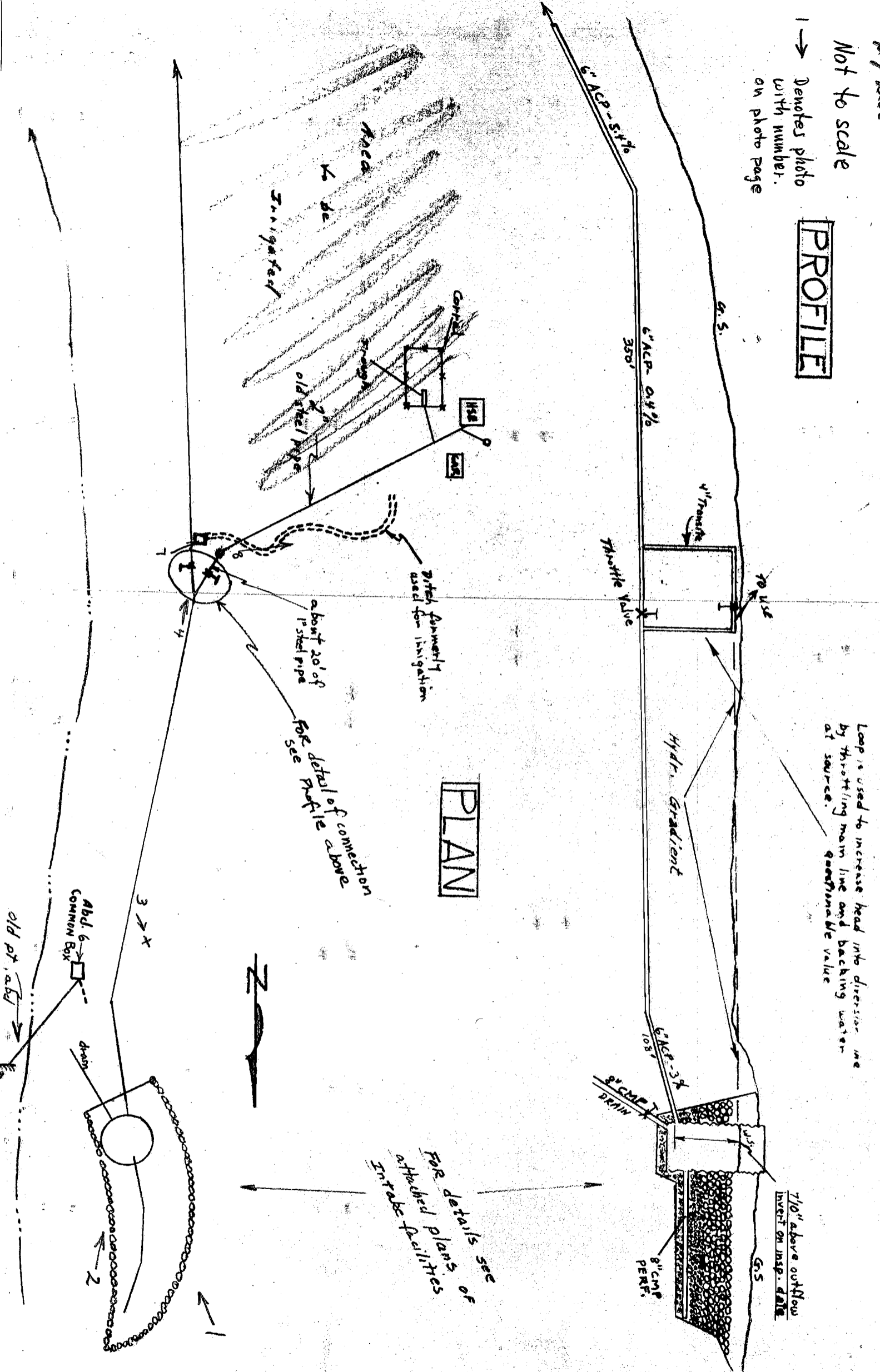
Photo 4

A.J. Jure

Not to scale

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# PROFILE



Loop is used to increase head into direction in by throttling main line and backing water at source. *questionable value*

7/10" above outflow level on insp. data

# PLAN

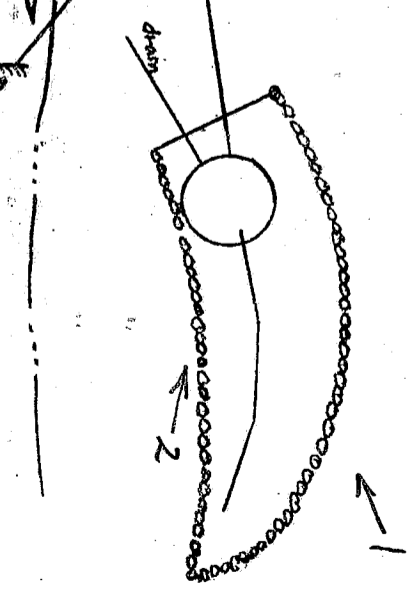
For details see of attached plans of intake facilities

about 20' of 1 1/2" steel pipe  
for detail of connection see profile above

bits formerly used for irrigation

Area to be irrigated

Abd. 6 COMMON BOX  
old pt. abd



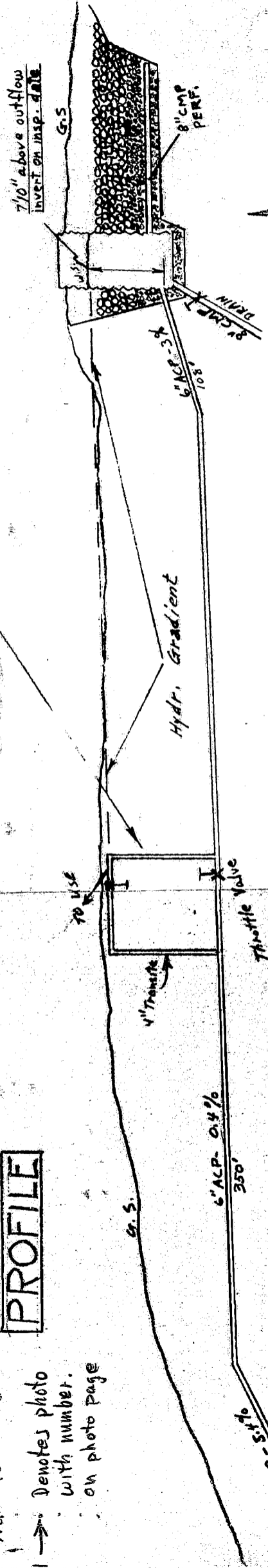
A.J. Lowe

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# PROFILE

Loop is used to increase head into diversion line by throttling main line and backing water at source.



# PLAN

For details of Entrance facilities see attached plans

pitch formerly used for irrigation

about 20' of 1" steel pipe

for detail of connection see profile above

