

MINUTES OF
ARKANSAS RIVER COMPACT ADMINISTRATION

REGULAR MEETING
March 18, 1958

Court House
Lamar, Colorado

Attendance:

For Colorado:

David Jenkins, Las Animas
Hacket Smartt, Lamar

For Kansas:

Logan N. Green, Vice Chairman, Garden City
Carl E. Bentrup, Deerfield

For the United States:

Carl G. Paulsen, Washington, D. C.

Absent:

Ivan C. Crawford, Denver, Colorado
R. V. Smrha, Topeka, Kansas

Others Attending:

John T. Martin	Corps of Engineers	Albuquerque, N. M.
S. K. Jackson	U. S. G. S.	Denver, Colo.
Ralph Adkins	Colo. Fuel & Iron Corp.	Pueblo, Colo.
Guy M. Vincent	Kansas Water Resources	Garden City, Kans.
Francis M. Bell	U. S. G. S.	Denver, Colo.
James E. Bone	Corps of Engineers	John Martin Dam, Colo.
Wallace T. Miller	U. S. G. S.	Denver, Colo.
Ross W. Moor	U. S. G. S.	Lamar, Colo.
Roy D. Cooper	Fort Lyon Canal	Las Animas, Colo.
H. D. Amsley	Fort Lyon Canal (Ret.)	Las Animas, Colo.
H. L. Corbin	Fort Lyon Canal	Las Animas, Colo.
Harry C. Nevius	Amity Mutual Irr. Co.	Lamar, Colo.
Oakley Wade	-	Las Animas, Colo.
E. A. Thaxton	Southeastern Rec. Ass'n.	Las Animas, Colo.
George Ed Deahl	Southeastern Rec. Ass'n.	Hasty, Colo.
Chester O. Cozine	Model Land & Irrig. Co.	Trinidad, Colo.
Fred L. Boydston, Jr.	Colo. Water Cons. Board	Denver, Colo.

The regular meeting of the Arkansas River Compact Administration was held March 18, 1958 in the Court House, Lamar, Colorado.

Mr. Paulsen, the Chairman, called the meeting to order at 9:45 A. M. and asked Mr. Bell to introduce the U. S. Geological Survey men who were present at an Administration meeting for the first time. Mr. Bell introduced Mr. Wallace Miller and Mr. Kieth Jackson.

It was moved, seconded and passed to dispense with reading the minutes of the December 10, 1957 meeting and approve them as submitted.

Mr. Paulsen gave the Chairman's report and stated that the 1957 annual report of the Administration had been distributed to the Federal agencies. The distribution of the report was discussed, and additional copies were furnished to those requesting them.

Mr. Smartt gave the Secretary's report and said copies of the resolution recognizing the services of the outgoing members of the Administration had been sent out as directed in the resolution. He read a request from an agent of the Equitable Life Insurance Company for copies of all annual reports of the Compact Administration, and stated that they had been sent. A discussion followed on the value of such reports to insurance companies and other organizations and the reasons for wanting the reports. A resolution was read from the Fort Bent Ditch Company and another from the Rocky Ford Chamber of Commerce. Mr. Bentrup's motion to include the resolutions in the minutes was duly seconded and passed, and follow herewith:

R E S O L U T I O N

WHEREAS, Article IX of the Arkansas River Compact provides, "...provided, that the Chief of Engineers is hereby authorized to operate conservation features of the John Martin Reservoir project in a manner conforming to such compact with such exceptions as he and the administration created pursuant to the compact may jointly approve."

WHEREAS, the complete drainage of the John Martin Reservoir results in a tragic loss of fish and wildlife development, and Whereas complete drainage of the John Martin Reservoir reduces the efficiency of the operation of such facilities, now therefore be it resolved by the Rocky Ford Chamber of Commerce that it is the sense of this organization and group that the compact commission and the Chief of Engineers have the authority and should under the foregoing

quoted provision create an "exception" which will permit the retention of a permanent pool of water above the dam which will be useful and adequate for proper operation and management of the said Dam and for the preservation and maintenance of fish and wildlife resources.

BE IT FURTHER RESOLVED that duplicates of this resolution be transmitted to the Chief of Engineers, Army Corps, Corp of Engineers, and our Representatives in Congress, our United States Senators and to the compact commission.

The foregoing resolution was adopted the 25th day of November 1957 by the Rocky Ford Chamber of Commerce at Rocky Ford,
Colorado .

/s/ Carroll Wright
Carroll Wright, President

ATTEST /s/ Ted R. Ryan
Ted R. Ryan, Manager

RESOLUTION

Whereas, the stockholders of the Fort Bent Ditch Company are advised that a suggestion has been advanced to the Kansas-Colorado Compact Commission to establish a permanent pool at John Martin Reservoir, for the purpose of maintaining wild life

And, whereas, the stockholders are of the opinion that the operation of the reservoir would be rendered impractical by establishment of such a pool

Now, therefore, be it resolved that the stockholders of the Fort Bent Ditch Company are opposed to the establishment of a permanent pool at John Martin Reservoir for the purpose of maintaining wild life at such location.

Mr. Green moved that the Secretary be instructed to acknowledge receipt of all resolutions addressed to the Administration. The motion was seconded and passed.

Mr. Smartt gave the Treasurer's report and Mr. Bentrup moved that the report be received and approved. The motion was duly seconded and passed, and the Treasurer's report follows:

ARKANSAS RIVER COMPACT ADMINISTRATION

Report of the Treasurer, March 18, 1958

Cash in Bank, October 31, 1957			\$ 1,299.20
Deposits, State of Colorado, Dec. 2, 1957		\$1,800.00	
Deposits, State of Kansas, Dec. 31, 1957		<u>1,200.00</u>	<u>3,000.00</u>
Total Available Funds			\$ 4,299.20
Disbursements to March 18, 1958:			
Vouchers:			
No. 228	December 31, 1957	R. W. Rollins, Auditing	\$ 65.00
No. 227		U.S.G.S. Cooperative Agreement	125.00
No. 229		Schoenith Office Sup. & Equipment	9.74
No. 230		H. C. Nevius, Mileage	19.60
No. 231		H. C. Nevius, Salary	130.33
No. 232		Hacket Smartt, Salary	65.17
No. 233		Treasurer of USA, O.A.S.I.	9.00
No. 234		M.S.T. & T. Co. Nov. & Dec.	24.56
No. 235	January 3, 1958	Lamar Daily News Stationary & printing	10.50
No. 236		Hacket Smartt, Jan. & Feb. Salary	195.50
No. 237	March 1, 1958	Treasurer of USA, O.A.S.I.	9.00
No. 238		U. S. Geological Survey Coop. Agreement	125.00
No. 239		Peerless Printing Co. printing annual report	554.00
No. 240		M.S.T. & T. Co. January & February	<u>23.30</u>
Total Disbursements since Oct. 31, 1957			1,365.70
Balance on Hand March 18, 1958			\$ 2,933.50

A discussion of items in the Treasurer's report ensued and Mr. Nevius clarified a question on tolls for telephonic meetings by stating that such calls had heretofore originated with the Secretary and all such tolls had been charged to the Administration. It was agreed that telephone calls by the Administration members on matters relating to the Arkansas River Compact Administration should be charged to the Administration.

Mr. Bentrup gave the Operations Committee report as follows:

Report of Operations Committee

Winter storage in John Martin Reservoir has been very satisfactory. Since the gates were closed on October 31, storage has increased from 220,143 acre feet to 275,924 acre feet, showing a gain of 55,781 acre feet.

Respectfully submitted,

Hacket Smartt

Carl E. Bentrup

A discussion was held on the probable reservoir operation this year, and Mr. Vincent estimated Kansas demands would probably start about May first, while Mr. Nevius estimated that Colorado demands would probably begin about the middle of April.

The July meeting date was discussed and Mr. Bentrup moved that a special meeting be called for Tuesday, July 8th, unless objections were forthcoming from the absent members. The motion was duly seconded and passed, and the Secretary was instructed to publicize the meeting and Mr. Boydston was instructed to check with Mr. Smrha and Mr. Crawford on their availability for meeting on that date.

Mr. Green reported that the Legal Committee had nothing to report since nothing has been assigned to its attention.

The Chairman noted that neither member of the Engineering Committee was present and therefore no report would be given. Mr. Vincent was asked if Mr. Smrha had given him anything to report, and he replied that nothing had been communicated to him to report.

Under unfinished business reference was made to the motion passed at the October 22, 1957 meeting that the Engineering Committee meet with Mr. Terry and report at the March 1958 meeting on funds needed for expenses and major repairs to gaging stations. Mr. Vincent said that Mr. Smrha had waited for a successor to be named for Mr. Terry, and since no one had been named in time for consultation before

this meeting, the Engineering Committee was unable to give an estimate of required funds. Mr. Bell said that Mr. Ross Moor was the man best qualified to give an estimate of needed repairs. Mr. Moor's remarks are summarized as follows:

Purgatoire at Las Animas station - this gage is not good for high water, and a cableway is needed for measuring high flows. The nearest site for a cableway is about six miles upstream, and this site would require about a 500 foot cableway. A gage at the new site would be necessary for concurrent records. The present site will not contain a flood in the channel.

Arkansas River at Las Animas station - the city of Las Animas has constructed a pilot ditch to by-pass the gage, but at present the river has broken through the ditch and the flow is still measured at the gauge. There is a new site on the railroad bridge, but it is not too good. A cableway is here and flows of 15,000 to 20,000 c.f.s. can be measured. It is very dangerous to make measurements from the railroad bridge. The gage equipment needs replacing. A big flood might take out the gage. The shelter is not large enough for a radio or telemeter gage. The need is for a new station at that same site, since this is the best site. A new station can be best installed at the end of the water year.

Mr. Bell mentioned that he knew Mr. Terry had wanted to install a bubbler gage here, and that such a gage was portable, but expensive.

Arkansas River below John Martin Reservoir station - This is a radio gage in a concrete house. There is an island growing in the streambed opposite the gage and at present measures about 150 feet by 40 feet. It may have to be removed in the future, as it is growing larger and moving upstream under the cableway. No change in the station is required, and the present site is the best. A telemark gage might be

more satisfactory, but the present radio gage could be set to get more readings if they are necessary. It takes about one hour for the river to stabilize after each change in release.

Mr. Miller noted that a telemark gage with a dial would probably help in operation of the reservoir.

Mr. Bone said that in operating the reservoir they don't depend too much on the radio for the changes in release. He thought that the reservoir operation would be easier if the gage was closer to the dam, and it might also eliminate some overtime work required for operation of the reservoir. He also thought that releases for the compact could be more accurate by telemark.

Mr. Moor remarked that the U.S.G.S. doesn't need a telemark gage, but operation of the reservoir needs it.

When asked about the cost of a telemark gage, Mr. Miller estimated that the gage would be about \$450 and the dial would also be about \$450, and that complete installation, including all materials, could be accomplished for about \$1,600.

Frontier Ditch station - some of the masonry construction has to be replaced around the metal flume, but this is not costly. The flume is painted each year and is in good shape.

Arkansas River at Coolidge station - the bridge here collects trash in high water and interferes with gage readings. A cableway is needed for high water measurements, and in the future some bank work may be required. In general this gage is in good shape.

After the summary of conditions of the gaging stations, Mr. Moor said that they sometimes have trouble with the radio equipment, but it is mostly mechanical and they are able to repair and maintain the radio equipment themselves. He also said the Public Health Service is installing a pump and filter at the Stateline station for collecting samples. This is one of 50 stations for study of quality of water on interstate streams. This is a long range program of the Public Health Service, and the U.S.G.S. is cooperating by collecting the samples for them when they visit the station once a week.

Chairman Paulsen noted that the results of the Public Health Service program would be of interest to both Kansas and Colorado from a pollution angle. He also said that it is important that early action should be taken to improve the

stations. He requested Mr. Miller to make a statement available to the Engineering Committee as soon as possible with cost estimates and priority of replacements designated, so that the Engineering Committee can prepare their recommendations to be submitted at the next meeting of the Administration. A discussion of costs and who could stand them brought out that several sources of funds needed further investigation - the Corps of Engineers or the U. S. G. S. for funds under the present crash program; the budget for the Arkansas River Compact Administration might be increased; or the ditch companies themselves might be solicited for funds.

Mr. Jenkins brought up the subject of Carey Dam that is being constructed on Muddy Creek, a tributary of Rule Creek, by the Colorado Game and Fish Department. He said the irrigators in his area want to know how it will effect their decrees, how many surface acres it will have, the number of acre feet it will store, and what water decrees have been bought up for it? When Mr. Smartt said that he had heard that storage was to be 500 acre feet, Mr. Jenkins said that it looked to be more than 500 acre feet, and wanted to know if that is greater than the decree. He said that water from Smith Canyon had also been planned originally for additional storage water, and although this was probably not in the present plans, he wondered if this shouldn't be investigated by the legal and engineering committees. The Chairman said that he thought it would be the duty of the State Engineer to investigate if individual rights are in jeopardy.

Mr. Oakley Wade then volunteered information on the history of the reservoir, stating that it originated under the Carey Act and conditional decrees had been obtained on filings on Muddy Creek and Smith Canyon. The dam was constructed and a final decree had been obtained for 13,000 plus acre feet, and that the other conditional decree for 14,000 plus acre feet has not been made final. Originally there had been trouble with vandals and the gates were damaged. They are rebuilding the dam to the original specifications, rehabilitating the gates, putting in a concrete spillway and facing the dam with rock riprap. He said the decree antedates John Martin Dam, and the farmers who own the dam have spent much of their own money to protect their rights and property, and the State Engineer has reviewed the plans for rehabilitation of the dam. He did not believe that diversions had ever been made to the reservoir from Smith Canyon.

The Compact Administration's interest in this was discussed and a motion by Mr. Smartt was seconded and passed that Mr. Crawford's office be requested to obtain all legal and engineering findings possible from the State Engineer and investigate all phases of Carey Dam and submit such information to the Administration members as soon as possible.

Chairman Paulsen said that it had been suggested that the by-laws with amendments be published. It was brought out that two amendments were known to have been passed--one relating to telephonic meetings and the other to having the budget submitted on an annual basis. After some discussion and reading of the amendment on telephonic meetings, Mr. Boydston was requested to have a few copies of the amended by-laws typed for consideration at the next meeting.

Mr. Oakley Wade, who said he represented sportsmen in the vicinity of John Martin Dam, said he wished to make a formal request of the Administration at this time to consider, as a first step, changing the conservation pool relationship with the flood control pool. He read a letter from Stanley Reiff, of the

Corps of Engineers, to Mr. Carroll which said that with the consent of Congress, the Corps of Engineers would agree to a permanent pool in John Martin reservoir if all necessary water rights and assurances were supplied.

Mr. Wade requested that the Administration support the sportsmen in their attempt to have the boundary between the flood control and conservation pools raised to accommodate a permanent pool. He emphasized that they did not want to impair the irrigation or flood control interests, and said that he hoped the Administration can take favorable action on this and request Congress for permission to reserve capacity in the reservoir for a permanent pool. Upon being questioned by the Chairman, Mr. Wade said that he will incorporate his request in writing and include any figures and a copy of the letter he had read. Mr. Green said that he thought, at present, the Administration will need the request in writing with figures for the necessary pool, all documents obtainable and a statement as to who Mr. Wade represents. Mr. Wade elaborated on his statement by saying that he considered a pool of about 20,000 acre feet was necessary to make allowances for evaporation losses and to act as an operations cushion. Chairman Paulsen said all angles must be explored and suggested that the minutes of this meeting show that the formal, verbal request is to be followed by a written request.

Mr. John Martin said that the Corps of Engineers had received funds for the sediment resurvey analysis and that the area-capacity table would be ready about May first. He said that although no funds were available for a formal report at this time, the sedimentation report would probably be completed eventually. In order to cut costs to the Corps, he requested that the Administration advise him how many copies of the area-capacity table they would need. After some discussion the Chairman requested that about sixty copies be sent to the Secretary for distribution.

Mr. Green moved that the Administration express its appreciation to the Corps of Engineers for their cooperation. The motion was seconded and passed.

Mr. Green's motion to adjourn was seconded and passed.

The meeting adjourned at 1:00 P. M.