RA/is
T4-a.m.

A The lower Moencopi Unit receives its water from the Moencopi Wash at a diversion dam located to the left side of the map. The water is diverted through a main canal skirting along the upper part of the colored area and in the green portion it is distributed to the area through a lateral system.

That shown in yellow has one canal diverting from the main supply canal to the left edge of the yellow color on the map. To irrigate these lands a distribution or lateral system would have to be developed.

Q What is the quantity of acres shown on the map in green as irrigated land?

A 60 acres.

Q Is that existing system which you have described adequate, in your opinion, to irrigate those acres?

A Yes, sir.

MR. KIECHEL: We offer the map in evidence.

THE MASTER: It will be received.

(Atlas Map showing Lower Moencopi Unit, Navajo Indian Reservation, Temp. Exhibit No. 2, was marked United States Intervener's Exhibit No. 304 and received in evidence.)

THE MASTER: What would happen to that water if not used on the land?

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THE WITNESS: It would flow in the Moencopi Wash.

THE MASTER: Would it reach any stream of any kind?

THE WITNESS: It would probably during storm periods, such as your summer storms, would reach the Little Colorado River.

THE MASTER: The Little Colorado.

Some residue of it?

THE WITNESS: Yes.

MR. KIECHEL: Has that been received, Your Honor?

THE MASTER: Yes. Go ahead. Roll it up.

MR. KIECHEL: Q Would you locate the Moenave Unit on the Display Map 301?

A The Moenave Unit is located immediately south of the Littlefield Unit in the western part of the reservation west of Tuba City.

Q Referring you to what has been marked United States Exhibit 306 for identification, Display Map 306-A, were those maps prepared under your supervision and by the use of the same procedures and definitions to which you have previously testified?

A Yes, sir.

Q Would you describe the existing irrigation system of the Moenave Unit, the source of water and the manner in which it is applied to the land.

A The Moenave Unit receives its supply from four

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MR. KIECHEL: If Your Honor is referring to the White Book, I am not able to state whether these particular areas are mentioned or described or related in that book.

THE MASTER: I mean in the study of the Little Colorado River, are these uses deducted or restored to the flow of the river by reason of the non-existence of these works, say, in virgin times or anything like that?

MR. KIECHEL: I am sorry; I cannot answer the question. I do not know, Your Honor.

Q Would you locate the reservoir canyon Moencopi-Tuba Unit on the Display Map 301.

A It is located in the western part of the reservation just immediately south of the town of Tuba City.

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WL:mc
5th a.m.

Q Mr. Keesee, is there a location map on each of these individual area maps which can be utilized also to orient the area in relation to the reservation?

A Yes, sir.

Q Referring to the map which has been marked for identification as United States Exhibit 308 and the display map 308-A, are these maps prepared under your supervision, and the same definitions and procedures employed?

THE MASTER: I am assuming an affirmative answer to all this series of maps. Isn't that right?

THE WITNESS: That is correct.

THE MASTER: You might as well save some time.

MR. KIECHEL: Very well.

Q Will you describe the existing irrigation system as shown on United States Exhibit 308?

A Reservoir Canyon Moencopi-Tuba Unit receives its water supply from two sources, water from the Pasture Canyon Reservoir, which is supplied from springs and underground seeps serves that portion of the land to the right of the figure 111° 15 minutes as shown on the map.

The land to the left---

MR. WILMER: Pardon me. Would you point that out with that pointer over there, please?

THE WITNESS: These lands. The lands to the left

of that line are served directly from Moencopi Wash by diverting near the line marked 111° 14', as shown on the map.

These waters are conveyed to the land through the canal system as depicted on the map. The lands located and served from the diversion in Moencopi Wash are supplied from the canal system located on the upper side of Moencopi Wash by a flume to those on the lower side of Moencopi Wash at the point near 111° 15' as shown on the map and near 111° 16' as shown on the map.

MR. KIECHEL: Q What is the quantity of irrigated land as shown on the map in green?

A 1,194.

Q And is the existing system as you have described it adequate, in your opinion, to irrigate those acres?

A Yes, sir.

MR. KIECHEL: Offer it in evidence.

THE MASTER: It will be received.

(Map - Reservoir Canyon-Moencopi-Tuba Unit, Navajo Indian Reservation, Indian Irrigated Lands, marked United States Intervener's Exhibit No. 308 in evidence.)

MR. KIECHEL: Q Referring you to the display map 301, would you locate the Natani's Unit upon that map, Mr. Keesee?