

ADDRESS REPLY TO  
DISTRICT ENGINEER  
TULSA DISTRICT  
CORPS OF ENGINEERS  
P. O. BOX 61  
TULSA 2, OKLAHOMA

WAR DEPARTMENT  
CORPS OF ENGINEERS  
OFFICE OF THE DISTRICT ENGINEER  
TULSA DISTRICT  
WRIGHT BUILDING  
TULSA, OKLAHOMA

SWO 1435

Woodward Co.

File SWO 1435

26 June 1947

REFER TO FILE NO / SWP GY

Engineering Division  
Oklahoma State Highway Commission  
Oklahoma City, Oklahoma

Sec  
S.W.O. 1435

ATTENTION: Mr. William W. Vaughan

Gentlemen:

In reply to your letter of 18 June 1947, regarding high-water information at the North Canadian River bridge north of Woodward, Oklahoma, you are advised as follows:

On 24 November 1937, a staff gage was installed by this office on the highway bridge north of Woodward, Oklahoma, and the highest reading since that date was 9.80 feet on the gage on 10 October 1946. Elevation of zero of gage is 1867.44 feet (m.s.l.).

1867.44  
9.80

High-water marks of flood in October 1946 were established by this office as follows:

1877.24

About 200 feet upstream from bridge - El. 1877.36  
Southeast of bridge on power pole - El. 1876.34

Bench Marks:

Used TBM No. 4 El. 1874.096 m.s.l. Spike in the north root of a twin cottonwood tree with blaze on north face of easternmost fork, 22 feet west of a point in center line of bridge at south end of bridge at south end of flooring and 6.656 feet above zero of gage.

TBM No. 3 El. 1875.467 (m.s.l.) or 8.03 above zero of gage. Woodward, Oklahoma, at the north edge of town, along county road to Selman. A chiseled cross on top edge of old concrete curbing on east side of road, about 150 feet south of the southeast end of bridge over North Canadian River, at the end of curbing. WB chiseled in concrete by cross.

1947

## Oklahoma State Highway Dept.

Date Buffalo, Oklahoma  
June 8, 1951

To Mr. G. H. Stout, Plans &amp; Survey Engineer

From E. J. O'Dell, Division Engineer

Subject Flood Information-Crossing at North Canadian River, North edge of Woodward,  
Oklahoma on SH 15-A.File-Swo 1435  
See ↗

Reference is made to our conversation yesterday concerning the above subject matter.

We are listing below information given us by U.S. Engineers as obtained during this recent flood.

<u>DATE</u>	<u>HOURS</u>	<u>READINGS</u>
5-15-51	5:00 P.M.	4.30 feet
5-16-51	7:00 A.M.	6.05 feet
5-16-51	5:00 P.M.	7.52 feet
5-16-51	9:30 P.M.	8.05 feet crest
5-17-51	7:00 A.M.	7.70 feet
5-17-51	5:00 P.M.	8.20 feet
5-17-51	10:00 P.M.	8.35 feet crest
5-18-51	7:00 A.M.	7.95 feet   Held about same
5-18-51	5:00 P.M.	7.90 feet   reading all day.
5-19-51	No reading taken but was estimated at 8.00 feet.	

*E. J. O'Dell*  
E. J. O'Dell  
Division Engineer  
Division 6

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