E. H. Weaver to Supervise New Project
E. H. Weaver yesterday gave us the following facts concerning a new W. P. A. project for this county, which he will supervise, through the Geological Survey:

The object of this project as set forth in the proposed data, is as follows:

"Part of state-wide survey to determine the location and extent of road and construction materials, minerals and other natural resources, the probable amounts of each, their adaptability to commercial uses and the preparation and publication of the compiled findings of the survey. This includes the laboratory testing and analysis of these various materials."

Justification for same is indicated as follows:

The location and classification of all the mineral resources of this state and compilation of that information for public use will be of great and permanent value to the state and nation. This will lead to the development of new industries, the location of strategic minerals necessary to national defense. It would assist greatly in reducing present and future construction costs of all types of road building.

As set up in this office, the project is based on district and county lines. Districts usually consist of a number of counties, each, to be in charge of a district supervisor who will be responsible for the work in his district. County supervisors will report to the district supervisors.

It is the intention of this project to make a complete survey of the mineral resources of the state as may be possible with the money allocated, the time available, and the qualifications of the employees.

Mr. Weaver has offices in the Chamber of Commerce building and anyone desiring further information about the project may contact him there.

Friday, September 9, 1938

Mineral Survey Making Progress in This County
Nevada Co., 9/9/38

Considerable work has been accomplished in Nevada County by the state mineral survey, conducted by State Geologist Survey. R. E. Vandrufl, a geologist from the state office, conducted a one-day school of instruction here September 8. He gave instruction in regard to mapping and reducing in the office and spent the afternoon out in the field instructing the workers in regard to taking cross-sections. Mr. Vandrufl started with the setup in the county, also with the work that has been done. He is holding similar instructions in Howard, Garland and Pike counties.

The local office reports that 25 square miles have been worked and is complete with the exception of taking some extra samples at various points.

State Geologist Gives Talk, Demonstration
Nevada Co., 9/9/38

Considerable work has been accomplished in Nevada County by the state mineral survey, conducted by State Geologist Survey. R. E. Vandrufl has been assigned to conduct a one-day school of instruction in Nevada county this week. Mr. Vandrufl plans to hold similar instructions in Howard, Garland and Pike counties.

C. Of C. Seeks Market for Clays Found Here
Nevada Co., 9/9/38

The Chamber of Commerce for the last several months has made an effort to find a market for the many different clays to be found in Nevada County and the adjacent area. With hopes of establishing a processing plant here, their efforts have included contacting corporations, including manufacturers and refineries and taking samples of clay from deposits in this county and having them analyzed and processed.

Mr. J. W. Crotty of the Southern Products Company, Dallas, Texas, was in the Chamber of Commerce office this week and was shown several types of clay in the County. After their laboratories have made tests of this clay a report will be made to the Chamber of Commerce.

The Mineral Survey, under the supervision of Mr. E. H. Weaver, is making a distinct contribution to the proper understanding of the property owners and to the State Geologists and have aided the Chamber of Commerce in that they have discovered several deposits.
Nevada County Clays, Gravel Are Revealed

WPA And State Survey Also Discloses 17 Artesian Wells.

Camden—A mineral survey now in progress in Nevada county has brought forth some interesting facts. Of the 620 square miles of Nevada county, 534 are to be covered by the survey now being conducted by WPA and sponsored by the State Geological Survey, E. H. Weaver, former county judge, is county surveyor of the project.

Since the beginning of the work in August, 1938, 125 square miles of the allotted territory have been examined. So far, the most important minerals located and mapped are road and construction materials and clays. The survey does not claim to have made new discoveries in all deposits located and mapped. But the survey has served the purpose of determining the extent of the deposits of clays and gravels, of making note of their accessibility and possibilities of development.

About six miles south of Prescott on State Highway No. 19, is a deposit of gravel covering 10 acres with a depth of from three to six feet. Five miles east of Prescott there is a deposit of gravel, in places, reaching a depth of 9 feet. This is easily accessible by a county road. Still another bed of good road-making material is located about six miles east of Prescott, just off Highway No. 24. The depth is up to 6 feet and the deposit covers approximately 30 acres.

Clay Deposits.

In Sections 27, 32 and 33, Township 11 South, Range 20 West (in the northeastern section of the county), the survey has located clay deposits in various shades of red, gray, blue-gray and dark blue. These are in the region northwest of Bluff City, some within two miles, some at 10 miles distance, and within three miles of State Highway No. 24.

The strata of dark blue clays, which are plastic and comparatively free from sand, vary in thickness from 2 to 10 feet, and cover an area of about 10 acres. These clays of gray and red in the same vicinity reach a depth of six feet.

Deposits of kaolin clay have been located and mapped in the central section of the county, in the vicinity of Lanesburg and Sutton. Samples of these clays have been sent to the laboratory in Little Rock to determine their value and usefulness.

17 Artesian Wells.

The survey of water wells in Nevada county, so far as the work has gone, has disclosed an interesting situation. Of the 146 wells examined, 17 are artesian, all in the northeastern part of the county. The average depth of these wells is 37 feet, the overflow measurement ranging between 3,000 and 77,760 gallons every 24 hours. All such wells, each flowing 50,000 gallons daily, are used in public capacity, one by the Ozaan Lumber Company, the other by a hunting and fishing club of Prescott. Water from artesian wells is generally sweet.

The record of the survey as to "dug" wells also presents valuable information. Of the 128 dug wells thus far examined, the depth has been found to be as little as five feet in some instances, and as much as 70 feet in others, the shallower wells being in the northeastern corner of the county. dug wells, ranging in depth from 10 to 36 feet, have capacities ranging between 300 and 1,000 gallons a day. One such well of 30 feet, however, maintains a capacity flow of 2,400 gallons a day throughout the year. This is perhaps unusual for the vicinity is a 22-foot pigpen which has a capacity of 4,000 gallons every 24 hours. The depth of dug wells does not govern the amount of water, as numerous wells of 30-foot depth and less are producing more water than those of twice the depth.

Progress Of The Mineral Survey In Nevada County

The Mineral Survey now in progress in Nevada county has brought forth some interesting facts. Of the 620 square miles area of Nevada county, 236 are to be covered by the survey now being conducted by WPA and sponsored by the State Geological Survey, E. H. Weaver, former County Judge, is the County Supervisor of the project.

Since the beginning of the work in August, 1938, 125 square miles of the allotted territory have been examined. So far, the most important minerals located and mapped are road and construction materials and clays. The survey does not claim to have made new discoveries in all deposits located and mapped. But the survey has served the good purpose of determining the extent of the deposits of clays and gravels, and of making note of their accessibility and possibilities of development.

About 6 miles south of Prescott on State Highway No. 19, is a deposit of gravel covering 10 acres with a depth of from 3 feet to 6 feet. Five miles east of Prescott, there is a deposit of gravel, in places, reaching a depth of 9 feet. This is easily accessible by a county road. Still another bed of good road-making material is located about 6 miles east of Prescott, just off Highway No. 24. The depth is up to 5 feet and the deposit covers approximately 30 acres.

The strata of dark blue clays, which are plastic and comparatively free from sand, vary in thickness from 2 to 10 feet, and cover an area of about 10 acres. These clays of gray and red in the same vicinity reach a depth of six feet.

Deposits of kaolin clay have been located and mapped in the central section of the county, in the vicinity of Lanesburg and Sutton. Samples of these clays have been sent to the laboratory in Little Rock to determine their value and usefulness.

The citizens of Nevada county are manifesting considerable interest in the progress of the mineral survey and have given cooperation. The offices of Mr. Weaver are in the Chamber of Commerce building at Prescott.

The state-wide work of the mineral survey is under the direction of Robert C. Backstrom, state supervisor, who completed a similar survey for Oklahoma, and R. E. Vandruft, technical supervisor. The data collected will be issued as a county bulletin by the Arkansas Geological Survey of which George C. Branner is director.

The survey of water wells in Nevada county, so far as the work has gone, has disclosed an interesting situation. Of the 125 wells examined, 17 are artesian, all in the northeastern part of the county. The average depth of these wells is 37 feet, the overflow measurement ranging between 3,000 and 77,760 gallons every 24 hours. All such wells, each flowing 50,000 gallons daily, are used in public capacity, one by the Ozaan Lumber Company, the other by a hunting and fishing club of Prescott. Water from artesian wells is generally sweet.

The record of the survey as to "dug" wells also presents valuable information. Of the 128 dug wells thus far examined, the depth has been found to be as little as five feet in some instances, and as much as 70 feet in others, the shallower wells being in the northeastern corner of the county. dug wells, ranging in depth from 10 to 36 feet, have capacities ranging between 300 and 1,000 gallons a day. One such well of 30 feet, however, maintains a capacity flow of 2,400 gallons a day throughout the year. This is perhaps unusual for the vicinity is a 22-foot pigpen which has a capacity of 4,000 gallons every 24 hours. The depth of dug wells does not govern the amount of water, as numerous wells of 30-foot depth and less are producing more water than those of twice the depth.
MINERAL SURVEY IN NEVADA COUNTY
REPORTS PROGRESS IN SEVERAL FIELDS

Precedent Daily 1-23-29
Survey Has Covered 121 Square Miles of the Allotted 536 in
This County: Many Interesting Mineral
Facts Disclosed

The Mineral Survey now in progress in Nevada County has brought forth some interesting facts. Of the 520 square miles area of Nevada County, 536 are to be covered by the Survey now being conducted by WPA under the sponsorship of the State Geological Survey. E. H. Weaver, former County Judge is the County supervisor of the project.

Since the beginning of the work in August, 1938, 125 square miles of the allotted territory have been examined. So far, the most important minerals located and mapped are sand and construction materials and clays. The survey does not claim to have made new discoveries in all deposits located and mapped. But the Survey has served the good purpose of determining the extent of the deposits of clays and of gravels, and of making note of their accessibility and possibilities of development.

About 8 miles north of Prescott on State Highway No. 19 is a deposit of gravel covering 10 acres with a depth of from 3 feet to 6 feet. Five miles east of Prescott there is a deposit of red clay-gravel which, in places, reaches a depth of 10 feet; this is easily accessible by a county road. Still another bed of good road making material is located about 9 miles east of Prescott just off of Highway No. 24. The depth is up to 9 feet and the deposit covers approximately 30 acres.

In Sections 27, 32 and 31, Township 11 S., Range 20 W. (in the Southeastern section of the County) the Survey has located clay deposits in various shades of red, gray, blue-gray and dark blue. These are in the region northwest of Bluff City, some within 2 miles, some at 10 miles distant, and within 3 miles of State Highway No. 24. The strata of the dark blue clays, which are plastic and comparatively free from sand, vary in thickness from 2 feet to 5 feet and cover an area of about 10 acres. The clay of gray and of red in that same vicinity reach a depth of 6 feet. Deposits of kaolin clay have been located and mapped in the central section of the county, in the vicinity of Laneburg and Sutton. Samples of these clays have been sent to the laboratory in Little Rock to determine their value and utility.

The survey of water wells in Nevada County, so far as the work has gone, has disclosed an interesting situation. Of the 146 wells examined, 17 are artesian, all in the northwestern part of the County. The average depth of these wells is 376 feet, the overflow measurement ranging between 3,000 and 77,760 gallons every 24 hours. Two such wells, each flowing 50,000 gallons daily, are used in public capacity, one by the Ozan Lumber Company, the other by a hunting and fish club of Prescott. Water from artesian wells is generally soft.

The record of the Survey as regards to dug wells also presents valuable information. Of the 128 dug wells thus far examined, the depth has been found to be as little as 5 feet in some instances, and as much as 70 feet in others, the shallower wells being in the northeastern corner of the County. Dug wells, ranging in depth from 10 to 30 feet, have capacities ranging between 300 and 1,500 gallons a day. One such well of 30 feet however, maintains a capacity flow of 2,400 gallons a day throughout the year; perhaps more unusual for the vicinity is the 22-foot well near Boughton which has a capacity of 3,000 gallons every 24 hours. The depth of the well does not govern the capacity of the water, as numerous well of 35-foot depth and less are producing more water than those of twice the depth.

Springs are not frequent occurrence in Nevada County, only seven having been located by the Survey thus far. One of these in the northwestern part of the County is somewhat outstanding because of its iron contents and its flow of 5,000 gallons daily. Other springs investigated have a recorded capacity of from 250 gallon daily up.

The citizens of Nevada County are manifested considerable interest in the progress of the mineral Survey and have given cooperation in various ways. The offices of Mr. Weaver are in the Chamber of Commerce building, with which organization he works in close contact in providing information on the minerals and clays of the County.

The state-wide work of the Mineral Survey is under the direction of Robert C. Bickstrom, State Supervisor, who completed a similar survey for Oklahoma, and R. E. Vanduff, Technical Supervisor. The data collected will be eventually issued as a county bulletin by the Arkansas Geological Survey or which George C. Brommer is the Director.