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GOVERNMENT WILL SELL BONDS FOR BUILDING OF BOULDER CANYON DAM

will take care of the entire project. If this fails, the McNary bill, which provides for the building of the Boulder Canyon dam has resolved itself into only the manner in which the funds shall be provided for this magnificent project, as Secretary of the Interior Fall has placed his seal of approval on the work and has adjudged that the federal reclamation service shall be the medium through which the work shall be carried out.

Secretary Fall, having lived the greatest part of his life in the irrigated states of the southwest, knows full well the measure of good that will come of the building of the wonderful dam, and we believe he will use every effort at his command to put through a bill appropriating the necessary funds or providing a bond issue that (Continued on Last Page)

TO START CROSS-CUT ON GOLD CHAIN

The crosscut from the east drift breast is to be started across the big Gold Chain vein today, the distance from the crosscut from the shaft being 250 feet. The total lateral work on the 100 level is 350 and every foot of this development shows ore of high mill value. The crosscut now going out through the vein is expected to pick up the ore shoot that shows such high grade ore on the surface, in which event the mine will come farther into the class of the now famous Katherine. Superintendent Nourse has been getting big results in the development of the lower level of the Chain and the continuity of the ore body on both levels is a pleasing feature that the work is bringing to light. No more wonderful vein has been opened on the coast in the past 20 years than the Gold Chain and the shareholders are sure of getting in on a magnificent property.

KATHERINE EX. TO START WORK TODAY

C. N. Miller, who came here a few days ago from San Francisco to look after his mining and townsite interests, has returned to the city. While here he arranged for the resumption of development work on the Katherine Extension. A station is to be cut on the 200 level and crosscuts driven north and south at that level. As soon as room is made more miners will be put on and the work carried forward as fast as possible. The Katherine Extension is equipped with large hoist, compressor and other necessary machinery. The property lies to the east and adjoins the Katherine. Is most favorably situated, as the big vein of the Katherine is sure to pass through this ground, and the chances for the development of a big ore body is the best in the district. The shaft has been spotted to the north of the strike of the vein and drift will be sure to cut the vein in a short distance. At the same time other veins are headed toward this property and these may open into ore bodies at the nearby junction.

DIRECTORATE OF CHAMBER OF MINES IS INCREASED TO NINE MEMBERS

The importance of last Tuesday evening's meeting of the Mohave County Chamber of Mines and Commerce brought out a large number of representative men from all parts of the county, and the meeting resolved itself into an enthusiastic gathering of the men who are trying to establish this county in the forefront of the gold producers.

The names of several new members to the organization were handed in at last Tuesday night's meeting. The organization is growing each week. Anyone who has a specimen of ore that he wants to put on display at the club rooms of the organization is requested to bring it in. A label will be put on it explaining what mine it is from.

DEVELOPMENT WORK STARTED THIS WEEK ON BRETHOUR GROUP

Development work started at the Treasure Vault or Brethour Group, the current week with a view to opening the property at depth. The near surface work, and also that to be performed at depth, is in charge of Sam Brethour, a miner who dates his experience from the year 1891 and Clear Creek county, Colorado. The acreage is located in the heart of the Katherine district and in close proximity to the bonanza Katherine mine, where between two and three million dollars' worth of ore has already been blocked out to a depth of only 400 feet. The vein system on the Treasure Vault group is identical in geological structure with that opened in the Katherine workings, and there is little question that at depth the property will make in to one of the big mines of the camp. Near surface values range as high as \$10 gold a ton across a vein breadth of from one to ten feet.

KINGMAN HUNTERS BRING DOWN BUCKS

The first buck of the season was brought down by Loraine McMillan, and the largest one was the 200-pound eight-pronged (four on each side) buck brought down by Billy Welch, clerk of the Board of Supervisors. McMillan, in company with Howard Smith, Ed Hoerst and Bob Sears, left for the Signal country Saturday night and returned Sunday. McMillan got a six-pronged buck weighing 140 pounds, bringing him down after Smith had plunked a shot into the fleshy portion of the animal, which made said buck travel at a good rate of speed, and did not prove fatal. Hoerst got a dandy little fellow weighing about 120 pounds and Tuesday night gave a few of his friends a venison dinner with all the trimmings. Mr. Welch got his handsome animal about 12 miles west of Seligman and Del Sherer, who was also in the party, brought down a fine specimen with four prongs at the same place. Mr. Sherer's buck weighed about 125 pounds.

LATE DEVELOPMENTS STIMULATE INTEREST IN KATHERINE SECTION

By William P. De Wolf
Following quickly the recent visit to the Katherine Mining District of a party of twenty representative brokers, mining and newspaper men of Los Angeles, comes the announcement that a strike of high grade ore has been made in the bonanza Katherine mine; that the Arabian mine has been taken over by Charles P. Reiniger of Los Angeles; that W. J. Loring of San Francisco has made another payment on the Sunbeam property; that eastern capitalists will develop the Federal property and have made a substantial first payment to the development fund; that work has been started on the Treasure Vault property, and that the district and townsite of Katherine are to have a water system.

The latest strike in the Katherine mine was made at a depth of 22 feet in the winze below the 400-foot level. It is the most important of the many important gold discoveries made in the workings, as the high values and mineralogical characteristics of the ore demonstrate that the big Katherine is richer at deeper levels than on the levels already established. Grab samples of the ore in the winze gave gold returns of \$16.40, \$54.70 and \$320 a ton. The quartz is well peppered with gold in the free and is indicative of the values that will be found in the vein when it is drifted on at a depth of 100 feet in the winze.

FORMER NORTH STAR MANAGER VISITS HERE AND LIKES DISTRICT

E. R. Abodie accompanied C. N. Miller and Sam Brethour over the Katherine district Thursday last. They took in the Katherine, Katherine Extension, Gold Chain, Brethour group, Black Dike and other important properties during the day. Owing to business necessities Mr. Abodie had to return to San Francisco Thursday evening, but expects to be back in Kingman within a week. Mr. Abodie is a well known mining operator, having been manager of the North Star mine for eight years, and also having operated properties in South Africa. He was well pleased with the district and is of the impression that some great mines will be developed outside of the radius of the Katherine.

STARGO DEAL HAS BEEN CONSUMMATED

J. C. Callaghan received last week a telegram which was confirmed in yesterday's mail to the effect that the payment due the Stargo Mines, Inc., of Phoenix, on October 26th, was made on the due date, the amount being deposited in the Mechanics & Metals National Bank of New York City to the credit of the above named company. The Stargo deal involves a total of \$180,000.00 and is all payable within 60 days from October 26, final payment being due on December 26th. The substantial payment made last week would indicate that the deal will go through in its entirety without fail, and the letter received by Mr. Callaghan from the New York parties in interest contains positive assurance to that effect. Mr. Callaghan is the secretary-treasurer of the company.

With over \$2,000,000 worth of ore already blocked out on four levels to a depth of 400 feet, the results that attend the work now being done in the winze below the 400-foot level indicate that a tonnage of at least equal value will be opened between that point and the proposed 700-foot level. Work in all portions of the mine is being speeded up with a view to the early erection of an ore reduction plant of 300 tons daily capacity. The payment made by Mr. Loring on the Sunbeam, is, it is stated, to be quickly followed by the development of the property at depth. A site for a double-compartment shaft is to be selected, probably at a point midway between the two strong veins that cross the acreage, and is to be equipped with powerful hoisting and compressors. The assurance that Mr. Loring is to be identified with the development of the Katherine district is welcomed by the mining men there, as he is a mining engineer of international standing, and as his connection with the industry will, it is believed, influence other mining men of prominence to take over properties at Katherine.

Across the Colorado river from the Katherine mine, in the Tristate, Nevada, section of the Katherine district, the continuation of the Katherine vein is being developed at the Nevada-Katherine property. The vein there is from five to 16 feet wide and assays as high as \$1741.69 gold a ton. A section of the vein from 12 to 16 inches wide assays from \$10 to \$286.48 gold a ton.

ARIZONA FEDERATION OF WOMEN'S CLUBS MEETS IN KINGMAN NEXT APRIL

Kingman is to entertain for the first time in its history a state organization when the Arizona Federation of Women's Clubs meets here in April, 1922. The local club is busy making plans for this event, which will bring many prominent speakers here. Women will be in attendance as delegates to this convention from the women's clubs all over the state. State officers and past officers of the federation as well as one or two representatives from the General Federation (the national organization) will be present. That the success of this meeting may be accomplished like we always do things in Mohave county the Thursday Afternoon Club desires the co-operation of the entire community.

The Stargo is a silver-gold property situate one mile from the town of Morenci. It has a substantial shipping record covering several years, the average values of its ores being similar to those of Oatman and the Katherine district. The deal was accomplished through and upon the recommendation of Dr. Walter Harvey Weed, the eminent New York geologist. The purchasers are clients of Mining Engineer Syverson, formerly with the United Verde Extension Company at Jerome, who did the sampling at Stargo. A cyanide milling plant of 100 tons daily capacity designed by the General Engineering Company of Salt Lake is to be erected on the Stargo property forthwith. The consummation of the Stargo deal, comprising as it does, such favorable features and provisions, is matter for encouragement to mine owners in this district as it proves beyond question that there is capital available for worthy enterprises in the mining field. Mohave county offers these in abundance.

An inspection of the Arabian mine made by Mr. Reiniger and his engineers demonstrated there is a considerable tonnage of pay ore in sight to a depth of 200 feet and that a much larger tonnage can be developed on the present levels and at greater depth. The vein is about 22 feet wide, and, like the veins of the Katherine district in general, is well defined and mineralized. The mine will be developed under the management of Chas. Thornton of Los Angeles. The water project for the Katherine district is being furthered by Charles P. Sherman and associates, who have secured by location the Arrowweed and Cottonwood Springs, located in the hills about four miles north of Katherine townsite. A survey for the main pipe line is now being made. The line will pass near the shaft of the million dollar Gold Chain mine, where a large tonnage of ore is being opened at a depth of 100 feet along the east-west strike of a vein that is 46 feet wide. The water will flow to the district by gravity, with a fall of about 800 feet. Mr. Sherman states that a flow of at least 30 gallons per minute will be developed and that this will be sufficient to supply the mines and town and to operate a 300-ton milling plant as well.

SCHOOL STARTED FOR CHILDREN AT C. O. D.

The people at the C. O. D. mine are going to have a school from now on. Mrs. G. B. Skidmore left this week to take charge. There are eight pupils to start with and there will probably be more before the winter is over. This school will be gladly received by men employed at the mine who have children and wish to have their families with them.

MACHINERY INSTALLED ON THE REVENUE

The Revenue Mines Company has just installed its surface equipment on the mines and is prepared to start things doing. This equipment consists of 25 H. P. hoist, large Ingersoll Rand compressor, ore buckets, rails and everything necessary to the development of the property. There are now bunkhouses, boarding house, blacksmith shop and other necessary buildings on the property. The Revenue is situated well within the big mineralized Katherine zone and the veins exposed in the property are among the best in that section. Good values have been found in many places along the outcrop and in the shaft that has been carried down 60 feet. One of the important features of this corporation is that it is well officered, and these officers are large owners of the company shares. They purpose developing the mines to production as fast as it is humanly possible.

KATHERINE HOLDS THE BOARD IN L.A. SAYS A. G. CUSHMAN

A. G. Cushman, who has been in Los Angeles with his associates arranging for the transfer of the Tristate townsite to Los Angeles people the past week, returned home Thursday, having closed the deal. E. A. Shaw is expected in this morning. While in the city the group of men owning the townsite and the Katherine-Nevada mines succeeded in financing the mining properties and expect to have operations under way shortly. These properties are among the most important on the west side of the Colorado river, having immense outcrops and showing exceptionally good gold values. During his absence Mr. Cushman arranged a deal with Leslie Monks, a well known Los Angeles broker, for the financing of the Big Four group of mines. This group is situated close to the Adams and is said to have important outcrops of vein. Work is to be commenced on the mines immediately. It is expected that having disposed of his Tristate interests Mr. Cushman will now be able to begin active development of his large holdings in and around the Gold Chain. Mr. Cushman says interest in the Katherine section holds the board in Los Angeles. The Los Angeles brokers are passing up the oil game, into which they were the channel through which passed many millions into development of oil land, and are now all turning their attentions to the Katherine section.

NEWS FROM OATMAN FAILED TO ARRIVE TODAY

The Miner unfortunately did not receive its correspondence from the Oatman camp this week telling of the activities of mines of that section. We do know, however, that the number 3 shaft of the United Eastern is going down rapidly and the report is that some water has been encountered. Interest of the camp is centering on what is opened in this shaft. Next week we hope to have full particulars on the mine activities of Oatman.

KATHERINE BUYS NEW EQUIPMENT

The Tarr, McComb and Ware Commercial Company report the sale of a 25-H. P. underground hoist and a 45-ton ore bin to the Katherine Gold Mines Company. The ore bin will be placed on the 400 level near the winze they are sinking.

M. P. IVERSON IS APPOINTED DEPUTY IN NORTH STRIP

Sheriff W. P. Mahoney this week made the appointment of M. P. Iverson as deputy sheriff for the Northern Strip and the appointment was confirmed by the Board of Supervisors at their last meeting. Mr. Iverson succeeds William Brink, who was drowned a few months ago in the Colorado river. Mr. Iverson is a member of one of the prominent Mormon families on the other side of the river and his appointment is approved by the people up there.

LADIES' AID

The Ladies' Aid will meet next Wednesday afternoon, October 12th, at 2:30 in the church parlors.