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ore which the district has

ties recently operated under the of Mr. J. B. Hughes have didated, and that active developte entire group will be com-

aut down to make alterations in lytic plant. This company has aly of oxidized copper ore, occuranglomerate, and it has already the production of two tons of lytic plants.

Chloride, in the flat country, whoe is installing a heavy duty romp, with the intention of sink1000-foot level; their ore as showing fine values in silver with much less lead and zinc found in the ores of the main is expected that the Diana will woume work, as well as the Golden shals Co. Both of these properfine-grained pyritic gold ores in matrix, especially well adapted to contration.

have been purchased by a synpresented by Mr. M. B. Dudley,
being rapidly developed. The
an old property which has not
ad in many years, but which has
filled the cabinets of Mohave
with the most magnificent specinative silver. After unwatering
conditions have been found of a
ter character than could have
exted, and there is little doubt
two properties will very soon bey silver producers.

ashington mine, also in Mineral being rapidly brought to the protage, as the mill is practically and has already passed the exlistage. The property shows sevinteresting veins, with certain carrying high values in ruby it is being operated by a syndiMr. F. E. G. Berry in charge. The properties, many others are activity with the advent of many all operators, and new finds are of Chloride, who left the camp after the war conditions became are returning; all expressing their insfaction at their ability to resume the finest mining camp they ever

ME ARIZONA GEM MINES

(Special Correspondence)

at Mineral Park, 20 miles Ringman, Arizona, is perhaps the producing turquois mines in the large percentage of the stone of the poorer grade consisting and blended with turquoise and by the trade "matrix"; while ctive and has a large sale, it rated in price with the clear prices prevailing up to 1907 from \$2.50 to \$12.50 per pound and, but since that time prices crially dropped, until for several these mines have been closed

targest producing company, with acreage, is that of the Aztec Company of New York. This was the pioneer, being followed

by the Southwest Turquoise Company of Los Angeles, the Los Angeles Gem Company and the Arizona Turquoise Company of New York.

There is evidence that the mines were worked in the stone age as numerous stone hammers and hand clipping stones were found there. The late Jas. W. Haas was the original discoverer of the turquoise at Mineral Park, operating the old Montezuma mine in the Turquoise mountains southwest of Ithica Peak, but upoh finding the later mines in the Ithica Peak country the old Montezuma mine was abandoned.

Another important deposit is that of Chrysophrase in the River range, some 18 miles north of Oatman. These properties are of late discovery and are expected to rival the famous old turquoise output, as it is of more commercial value and very rare. This gem is remindful of the remotest antiquity; a hard semi-transluscent green stone, carrying stripes and colored with nickel. Perhaps the only operating mine of this stone in America today is located at Porterville, California, and owned in New York.

Owing to its high market value, all grades are used, comprising a dozen different grades from common to clear, and values run all the way from a few dollars to around \$400 a pound.

STANDARD MINERALS DEVELOPING

A strike of gold and silver ore has been made on one of the claims of the Standard Minerals company, twenty miles east of Kingman. The company had been sinking a shaft on the Standard claim and at a depth of thirty feet ran into ore that gave results of from four to ten ounces gold and 325 ounces silver.

The vein in which the strike was made is about five feet in width, the rich streak having a width of from eighteen inches to thirty inches. The whole width of the ore-bearing streak is pay.

The Standard Minerals company has been operating a mill on its molybdenite properties and have been opening the ore bodies on the deep levels. The mill has been doing good work, a product of about sixty per cent molybdenite being secured. The company is understood to have contracts covering all the concentrates the mill can produce.

The mill is under the direction of S. S. Jones, who is also consulting engineer for the company. Mr. Jones is one of the best mining engineers and metallugists in the country and the Standard Minerals company is to be congratulated on securing his services. George Williston, a young engineer and metallurgist, is assistant to Mr. Jones in the mill work and Gerald Stimpson is general manager.

Through the hospital system the workmen of the Warren district get all medical care and surgical attention necessary for sickness and accident, and the families of the workmen get all medical attention.

The railroad from Cedar Glade to Clarkdale, the smelter town of the United Verde Copper company, runs through a miniature Grand Canyon; this has not been advertised to any extent, but it is a rare scenic attraction.

The Chloride Queen

The Chloride Queen Mining Co. has five claims and two fractions, over one hundred and twenty acres of ground in one block side-lining on the north side of the Cerbat Silver Mines Co. (known as the Elkhart mine) and end-lining the Empire property northeast of Chloride about one and one-half miles.

The equipment consists of one 12-H. P. hoist complete, one 60-H. P. oil burning Bessemer engine, Chicago Pneumatic compressor with capacity of 417 cubic feet, blacksmith shop fully equipped, change room, ore bins, and large galvanized iron building covering all the machinery.

The main shaft is timbered down 260 feet, with manway and working shaft, with a drift run at the forty level, 100-foot drift at 100 level, and at the 200 level the drift is in two hundred feet going under the hill, which when in about 200 feet more will give a depth of about 600 feet. Crosscuts have been run on this level 21 feet to the south and 22 feet to the north without encountering either wall. A good vein of ore at times widening to thirty inches has been continuous for over 100 feet, with values at times running over \$150 a ton in silver, besides values in lead and gold. The drift is being pushed to the west on the east and west vein of the property, and well versed mining men say that the company will sure have a very large body of ore under the hill from all indications. One thing noticeable is that the work is being done on the east and west veins, which are so rich, leaving the north and south veins to be opened up later. These north and south veins have given up millions in rich ores, to such well known companies or properties as the lithchart, Schuylkill, Distaff, Schenectady and Tehnessee in this immediate vicinity.

It is the intention of the management to run the drift under the hill and open up the ore and go on a producing basis. In fact, the first car of ore will be shipped to the Selby smelter within a month. The short haul of one mile with a good road from shaft to the railroad at the Tennessee mine is an added feature of low production cost to the company. The Chloride Queen Mining Co. has hundreds of feet of stoping ground from the 200-foot level up carrying rich values in silver ores, besides the hundreds of feet of ground below this level which will be opened up as the property is developed, and which is assured by what the Elkhart and Tennessee properties have proven, and especially the latter, which has a depth of 1400 feet, with valuable ore practically all the way, and a reported production in the past of something like \$18,000,000. One must not lose sight of the fact that the Elkhart, which side-lines the Chloride Queen on the south, is reported to have produced over one million dollars with deepest workings 500 feet.

The management of the Chloride Queen Mining Co. is confident that their property with proper development in the next few years will produce its millions in rich silver ores, and with present prices of all-ver the outlook for the company to go out the dividend-paying basis in the very near future is of the best.

Aleta cross reference

Distaff Mine was
recently purchased from trustees
of the Arthur Black estate and
from Mr. and Mrs. C. Pat Patirson.
by John B. Rothermel Jr and
Richard Genova, 6012 N. 47 Drive,
Glendale, Arizona 85301.
Distaff consists of two claims,
the Distaff and Chester
All levels below tunnel level are under
water. Main shaft is 300' deep with
Short levels at 200' and 250'.
John B. Rothen Sp.

Distatt near Chloride
Wallapai Mining District
Mohave County
Sec 3, T23N, RIPW
Sec 34, T24N, RIPW

State of Arizona Bureau of Geology and Mineral Technology

Geological Survey Branch 845 N. Park Ave., Tucson, Arizona 85719 (602) 626–2733

August 3, 1979



Mr. John B. Rothermel, CE 6650 N. 46th Drive Glendale, AZ 85301

Dear Mr. Rothermel:

Enclosed is the requested xeroxed information regarding the Distaff Mine.

I hope this information will prove useful to you.

Sincerely,

Tom McGarvin,

Research Assistant

TM/wdn Enclosures

A Division of the University of Arizona

Button & Co. are preparing to ship a rich car trom Distaff, Chloride / Libra & Charley Shermans treasure vault, his bank.

Buttons ore cleaner on the old Distaff is doing good work and piling out the concentrates.

Mohave Miner: Leasers on the old Distaff mine, at Chloride, are making good money. A crushing plant has been put in at the end of the dump and the lower grades of ore are being crushed and concentrated. Big results are being secured from these tow grade ores, which heretofdre have gone into he dumps. From the mine it is reported, a zincy ore is being taken hat runs \$200 to the ton in silver. As work goes on the mine shows etter values and more permanent re bodies. The mine has been vorking intermittently since the arly seventies and all leasers have gade money_____

Mohave Miner: The Distaff mine, near Chloride, now under option to purchase to John Campbell, is being actively exploited with exceedingly favorable results. Machine drills have recently been installed and the main working shaft will be rapidly driven down. And drifts will also be advanced on the lowest level. The general average value of the gold, silver and lead is \$70 per ton though considerable of the ore, in car load lots, has returned over \$100 per ton. Mr. Campbell was one the big Goldfield mine managers when some of the mines were yielding \$100,000 per day.

The Distaff has a car of high-grade silver ore ready for shipment to the smelter. A new stringer of very rich ore has been opened up. Samples

show several thousand ounces of silver,

per ton. 6-19-20

E. F. CAMPBELL HAS BOND AND LEASE ON CHLORIDE DISTAFF

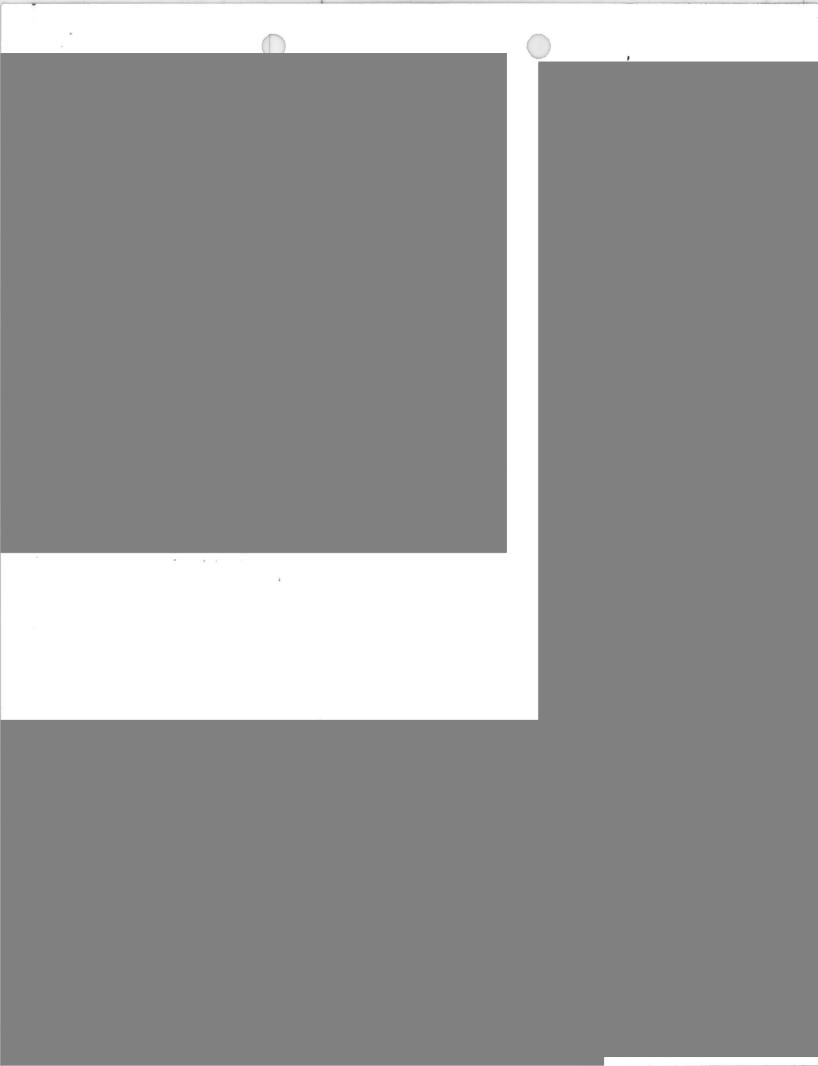
E. F. Campbell has taken a bond and lease on the old Distaff mine, at Chloride, from Mrs. Charles E. Sherman and expects to soon have that property in operation. He will be associated with excellent people in the development of the mine and the interests will be on the ground within the month.

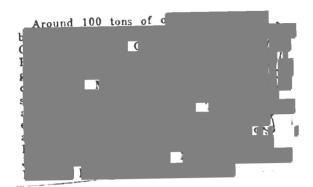
te month. The Distaff mine was one of the richest silver properties in the Chloride field, aside from the Old Minesota, hundreds of tons of ore having been shipped from it to the mills and smelters. During the early days of; the camp the property was owned by W. B. Ridenour of Hackberry under the name of the Independence. He and others took out considerable ore, but the big tonnage was later taken from depth by the owner and leasers. Some of the specimens taken out were solid silver, running ninety per cent in the white metal, and the shipping ore ran well up in the hundreds of dollars to the ton. With development at depth we believe it will be one of the big producers of Chloride.

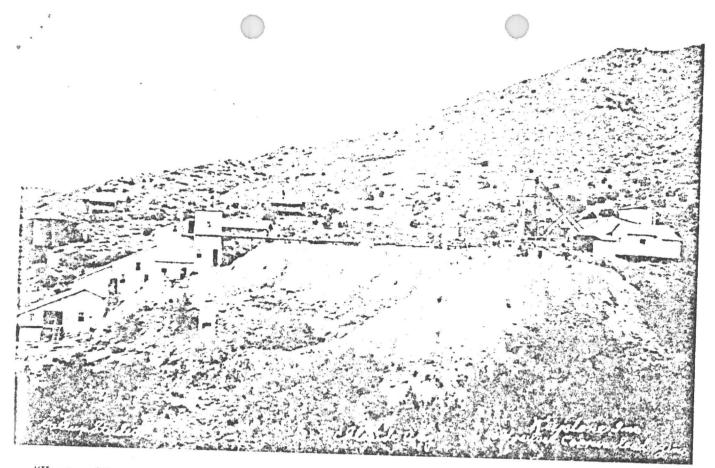
LD-DÍSTAFF MINE IS Being unwatered

The Distaff is being unwatered and Charley Sherman, its owner, will soon be at work in the botton, taking out ore as of old. The Distaff is one of the old high grade producers of the district immediately adjacent to the town and townspeople are anxious to see it again become active. It lies in the vicinity of the Tennessee and Schuylkill and has been noted for the richness of its silver ores.

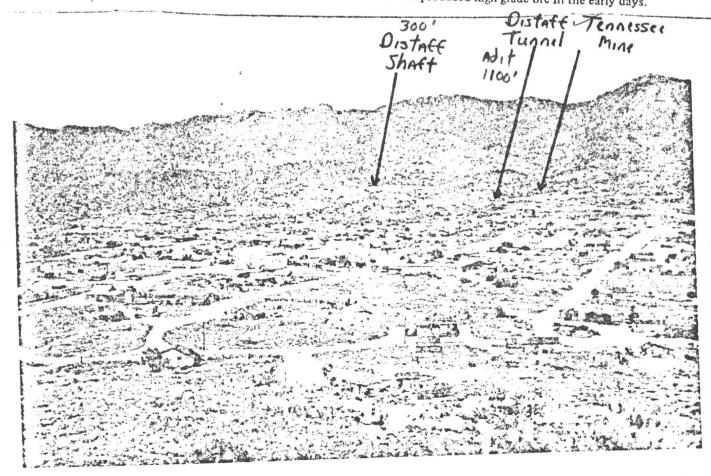
Kingman, Arizona. //-30-43 Platerie







"Keystone Mine and Mill" were situated three miles south of Chloride. It produced high grade ore in the early days.



A partial view of Chloride with the Cerbat Mountains in the background. This photograph and the others, starting with the "cafe-bar", all depict 1939 scenes of Chloride. The photography is by Roy Gallup, who operated a local photographic studio.

Reference - see Book V-V - A.L. Flagg vanadium reports

See! Bull. 347 - Page 60 Sui USGE BULL 750. B Page 19-31

May 27, 1957

Ariz. Mng. Journal April, 1919, p. 26

No information on this property.

MARK GEMMILL

NAME OF MINE: DISTAFF		DISTRICT: CHLORIDE METALS: PB, ZN		HLORIDE
PARATO	Jack P. Taylor Arthur F. Black Box 230, Kingman	DATE:	engel filman krountsyponingen van men epindh sidh kita en ensidh selitir bij tyrjej	
		1 .		

These claims side line the Sistage (hlavide lacupacing property on The west, and also sidefline the property of the Tennessee, Schuylkice and tekhans on the Egst - No fractions whateverexist between the abiline and Buessight and the above mentioned mines -The Abiline on the South also end lives the Great Lead mining claim, owned by the Jumesse by The formation of these two claims is similiant to that of its adjaining neighbors - namelythe Jennessee Schuylkill tekhon has a of greess and Granite porphyry - a large where known as the great lead - originating on a claim of the saile naule, and from which the Jennessee ly ha vistracted a larger towns of high grade gors

et ferang -Thirties and oversight Mining Clairers -Situated in Meanide dist-The Abilene and Joursight mining Claims are two large fractions. The Abileur being alibrated a full claim, while I ! e oversight is Somewhat Smaller - Both claims are about 1500 feet in length - running in a horthely and Southerly direction while in width they are Samewhas irrequelan, being all the way fram 600 feels to 300 feel int places - Ho actual surrey has as yet been made Consequence the above meas weehints, especially those of with, much be capsidered as approximate arres -

Diagrace Showing of the bleading mines when the bleading mines Distage Chloride Campanys Iroperty in red -

Tennessee Great Lead Beck

the Distage shape in an Easterly direction or approximately to the paint where this enter section takes place, - and by so doing the possibilities of esecunture good values would by extremely favorable. In summery, the abilion and Toursight morning claims are indeed i whost ralchable acquisition to the mineral holdings of the Tistage Chloride Miching Co- not only our account of their surface Showing alone bling for their favorable proximity to the mast prolument duises of the chert, 26-18-16- Henrica 18-16- Henrica

Crosses the South sud live of the abiline (Shown in luclosed diagram) and loutimes its way northward throughout the entire length of the abilence and of the Bolisight as well - My developinents has beli performed upour these two claims altho fair values have been found in shallow location hales get where a little work has been block - about 500 feet north from the South Rud live of the abilene Shown in diagram) there is apparently a crass rein, about three feethin widoh - Muning in an Eksterley and Westerly direction and intersection the great lead -It is contemplated by the Distoff Chloride la - who have purchased the philene and breisight - to drive a grave cut tuluel from

interes on a Distapt 5. - 285 ft. in depth equita

REPORT

on

THE DISTAFF MINE.

CHLORIDE ARIZONA.

AREA

The Distaff Group consists of two locations, each Sizes hundred feet wide by fifteen hundred feet long, containing approximately 40 acres, making a continuous length of (3000) three thousand feet.

TITLE

The title to the property is direct from the United States Government and there is no disputed ground within the boundaries of the two locations.

CHARACTER OF VEINS AND ORES

The character of the veins and ores of the Distaff are as follows: The vein system consists of three veins parallelling each other in a belt or sone, highly mineralized, from five to six hundred feet in width, situated between two dyke systems, one on the eastern and the other on the western boundary of the zone, the western dyle being the foot wall, the eastern the hanging wall of this mineralized zone. The strike of the veins and dykes have a northerly and southerly trend with a dip or pitch of about 70 degrees to the east. The west vain is the only one of the three that has been developed to any extent. The ore in continuous throughout the vein, as it contains no discouraging barren spaces, but high grade, phenominally rich ore bodies have been encountered, from which \$250,000 to \$300,000 worth of ore has been shipped. The mine has been worked principally by leasrers, no ore having been shipped of a less value than one hundred dollars per ton and up to seven thousand. The ores carry lead, sine, gold, silver and copper, and are classed as vese crest they contain a great value in ruby, native silver, and black sulphides.

ORE IN SIGHT.

There is estimated to be six thousand tons of ore on the dump and in the drifts of the mine, two thousand of which is on the dumps and

four thousand in the drifts in the mine, mined and ready for the hoist.

This estimate is very conservative, both in quantity and value, which would give a value of seventy-five thousand dollars at \$12.50 per ten.

Many thousands of tons are yet in sight in the mine to be broken down.

There are twelve distinct ore bodies in the property already discovered, and, as depth is attained, they are very materially lengthening and wideming, with their values increasing.

The ores mined in the drifts and on the dumps can be concentrated into a product of ten to one, which will be one hundred and twenty-five dollars per ton for concentrates. Water taken from the mine can be used for the concentration of the cres.

DEVELOPMENT WORK.

The development consists of two shafts, four levels, one tunnel and one winze. The main shaft three hundred feet in depth, No. 2 down 125 feet in depth to tunnel level. The levels are 50, 120, 200, 250, the winze 200 feet, tunnel 1,100 feet, 700 feet in to main shaft and 400 feet beyond the shaft, at a depth of 150 feet below the surface. A cross-cut has been driven to vein No. 2 which is three feet wide and showing up good values.

PROSPECTIVE VALUE.

The prospective value of this property is very great and the consensus of opinion of miners in this district is that large, high grade ore bodies will be encountered as depth is attained, and they have good reason for such belief, as the properties adjoining and hardby, such as the Tennessee and others, have proven this beyond the pale of a doubt, and, in view of these facts, it would be considered advisable to sink a deep shaft at such a point on this property as would give depth and access to these three veins to at least a depth of seven hundred feet. The supenditure required to do this, and thus prove up the property, would not be excessive, and is warranted by the conditions presented. The showing justifies this recommendation, as this property is one of the most attractive of the Chloride district and is worthy of full exploitation of the ore bodies that, no doubt, exist in depth,

GEOLOGICAL CONDITIONS.

The country rock is a pre-cambrian gneiss, graduating into a granitoid porphyry, the veins containing gold, silver, lead, zinc and copper. The native silver is almost invariably due to oxidizing surface
processes acting on primary argentiferous sukphides, a class of silver
bearing veins of which many examples are found in other states and
Mexico, in granite rocks and accompanies by porphyries consolidated at
considerable depth.

TRANSPORTATION.

The Atchison. Topeka & Santa Fe Railroad is constructed within 200 feet of the property.

ALTITUDE

The altitude of the property is about 4,500 feet above sea level, the climate healthful.

Respectfully submitted,

(Signed) Charles C. Seawell, M. E.

Chloride, Arizona, May 21st, 1916.