



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

PRINTED: 09/05/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: UNITED OATMAN

ALTERNATE NAMES:

MOHAVE COUNTY MILS NUMBER: 43A

LOCATION: TOWNSHIP 19 N RANGE 20 W SECTION 33 QUARTER SE
LATITUDE: N 34DEG 59MIN 02SEC LONGITUDE: W 114DEG 24MIN 15SEC
TOPO MAP NAME: BOUNDARY CONE - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

GOLD LODE

GOLD PLACER

BIBLIOGRAPHY:

ADMMR UNITED OATMAN FILE

ADMMR HOUSEHOLDER MAP

RANSOME, F.L. "GEO. OF OATMAN GOLD DIST, AZ"

USGS BULL 743, P. 8, MAP; 1923

ADMMR MOHAVE CUSTOM MILL PROJECT

ADDITIONAL WORKINGS SEC. 34-SW, SEC. 3-NW-T18

N-R20W

NAME: UNITED

OATMAN

Boundary Core ✓

COUNTY: MOHAVE

T 19 N

R 20 W

SEC. 33

E. 2600

DISTRICT: SAN FRANCISCO

Mineralization: 3 mi SW of Oatman

OATMAN

Geology:

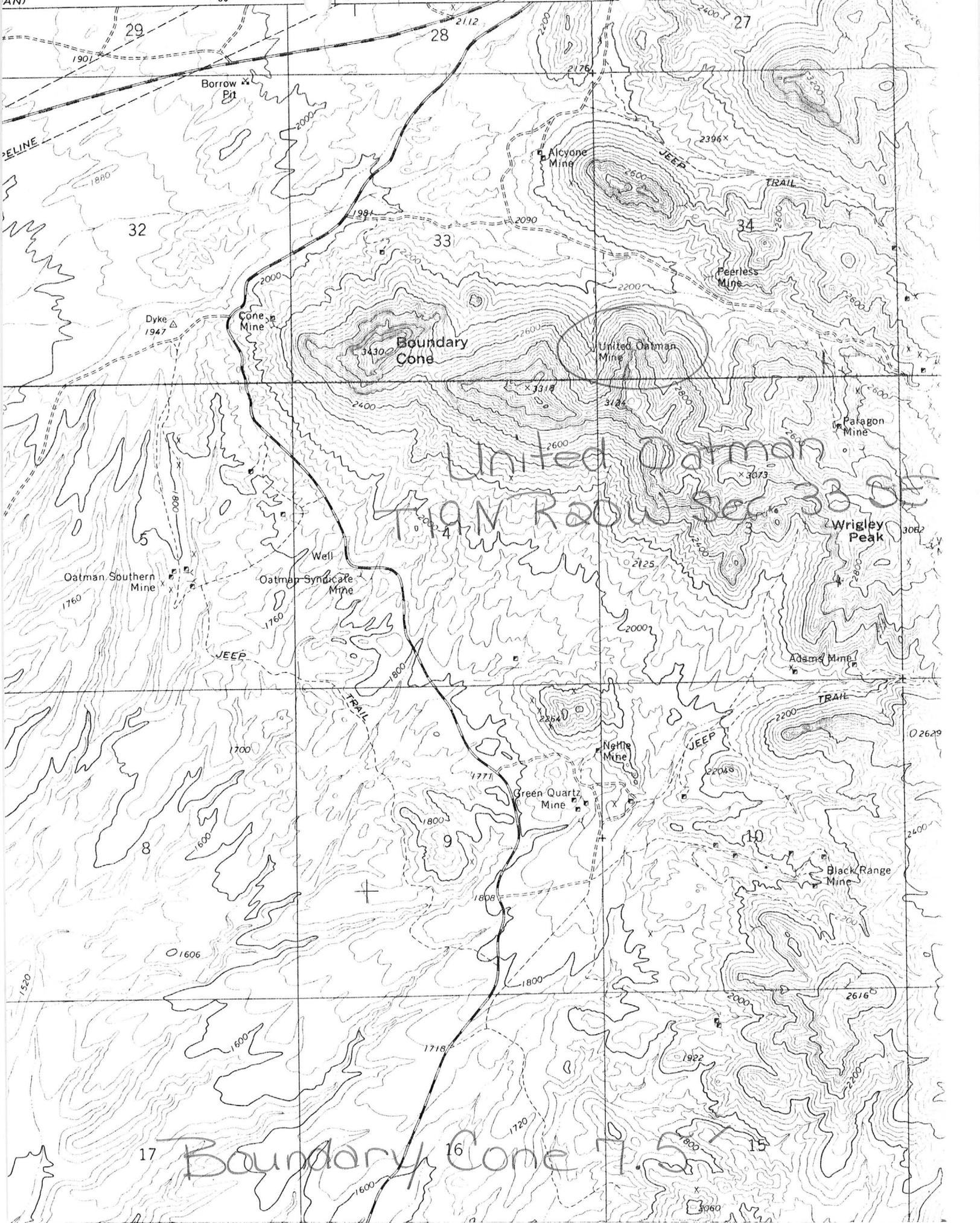
Type Operation:

Production:

References: 63 USGS 743

Mol. Min. & Prosp. File Index Map (# 411)

Mohave County Card File



United Oatman
TRAIL Row Sec 33 SE

Boundary Cone T. 5 N. R. 20 W. Sec. 33 SE

MINING REPORT

covering property owned by the

UNITED OATMAN GOLD MINES CO.

an Arizona Corporation

OATMAN, MOHAVE CO. ARIZONA

Copy of original

PROPERTY: The property of the United Oatman Gold Mines Company comprises in all ten adjoining mining claims, being a consolidation of the Lark Claims Nos. 1-2-3-5-6-7-8 and Lark Extension with the Constance R. and Constance R. fractions, all surveyed and monumented by United States Mineral Surveyor, and duly recorded in the county seat of Kingman, Mohave County, Arizona. All legal location work has been done on each claim in full accordance with United States Government and State regulations thereto. Total area approximately 175 acres.

LOCATION: This property is located three miles Southwest of Oatman, Mohave County, Arizona, in the San Francisco Mining District, directly east of Boundary Cone, the most prominent landmark of this district, covering the apex of an east and west spur range of mountains for approximately one mile, with width varying from 600 to over 2000 feet.

The general location of this district is fourteen miles Northwest of Needles, California, sixteen miles North of Topoc, Arizona, and twenty-five miles Southwest from Kingman, Arizona. All these points being on the main line of the Santa Fe Railway, and also directly connected by Old Trails, national highway, which passes within one mile of the United Oatman Gold Mines property.

TOPOGRAPHY: The topographic features are those characteristic of the rapid erosion of a heavy volcanic flow formed mesa, which erosion having cut the district into a series of rugged peaks, canyons, and gorges, with ridges standing out in many instances as approximately east and west spur ranges joining onto the less eroded main range or north and south black mesa which forms the eastern background of this district.

The United Oatman Gold Mines Company's property covers a great portion of one of these lava capped East and West spur range of which the Boundary Cone is the extreme western end. This spur range rises from the Boundary cone wash and Kraus Canyon on the North and Putney and Black Hawk wash on the south, attaining a height of nearly 2000 feet from the base. Ascending from the north to the summit is very precipitous and difficult of access, being covered with loose slide rock, which condition prevails until the summit is almost reached, at which point the capping being of the harder, more tenacious uneroded formation, stands up prominently in the form of cliffs and sawtooth ridges. Descending down the South slope is very difficult, while freer from cap rock slides, the disintegrated underlying andesite and steep canyons make it a very strenuous proceeding.

GEOLOGY: This East and West spur range consists of a capping of dense dark brown andesite, commonly called phonolite (from its metallic ring when dropped or struck), under laid principally by the earlier tuffaceous andesites, agglomerates and breccias. These rocks are all intruded by rhyolite in the form of dykes and sheets, the Boundary Cone being a typical example, a massive pinnacle of rhyolite rising several hundred feet above the andesites, underlying these are the Precambrian granites, which lie exposed at the western base of Boundary Cone.

Green chlorite andesite of great thickness comprise the south slope from base, half way to summit of this range, showing a northerly dip into the mountains of about twenty degrees from horizontal. There being no exposure of the underlying flow or strata's on the north side of the mountain owing to heavy phonolite slide from capping. The principal veins are almost perpendicular fissures of pronounced strength, cutting through the andesites and in all probability reaching and penetrating the granites of great depth. The vein matter consisting of quartz, with calcite intermixed, some considerable quantities of olive (pale greenish) and rose quartz, together with manganese, hematite and other oxides of iron.

The vein of greatest importance in all probability, is the Jumbo vein, which forms surface outcropping on the apex of mountain, near east and center of Lark extension claim, follows on east and west strike, from all indications running through the United Oatman Gold Mines Co. property from end to end. This vein where it is not covered with slide rock, shows a width of about thirty feet between walls. The vein matter being quartz, calcite, and adularia and gangue, panning gold values. Next in importance is the Ophir ledge, a five foot vein outcropping on the apex of the mountain towards the east end center of Lark No.2 Claim, and having a Northwest strike. This vein should intersect the Jumbo in about six hundred feet, and should show the usual double enrichment that is experienced in this district. There is every indication that this ledge will make ore at shallow depth, having increased from eighty cents per ton on outcropping to over four dollars average at five feet depth below surface. The vein matter, in this being olive (or greenish quartz) with hematite and oxide manganese. The greater portion of this ledge is disintegrated or soft with all the characteristics of making easy mining and milling ore of good quality. This ledge probably extends 2000 feet through United Oatman Gold Mines property, unless cut off by Jumbo ledge at point of intersection.

There is one strong ledge about ten feet wide, which is composed wholly of altered or silicified andesite, carrying gold values and resembling the ore from one of the largest and richest deposits opened in the Oatman district. The vein shows for over 1000 feet on the United Oatman Gold Mines property, and is known as the Blanket vein.

There are numerous other veins or ledges striking into the United Oatman Gold Mines Company property, principally from the east, southeast and west, but they come under the slide rock and do not show exposed on the surface of United Oatman Gold Mines Company's ground. Some of these ledges have produced ore running into the thousand of dollars per ton, and have been worked principally for the rich ore they produced.

HISTORY: This section formerly known as the Tom Reed Gold Roads District, has been producing gold since 1864, no deep mining being attempted until the last few years, when through the rapid strides made in the cyanide process, and low grade milling attainments, the enormous fissures of this district which seem to reach depths heretofore thought impossible, are now being explored and developed to a depth of over 1000 feet, with the results that the biggest and richest ore deposits are found at these lower levels. There is very little faulting or displacement of veins here. Outcroppings of reasonable strength should continue to good depth with slight chance of losing the ore chutes, owing to the continuity and apparent trueness of the ledges.

The adjoining mines are well and favorably known in this district, and surround the United Oatman Gold Mines Company's property in the manner hereinafter described. The Cone Mining & Milling Co. adjoins on the west, the Lucky Sam Mining Company and the Plutus Gold Mining Company on the north side, the Peerless Gold Mining Company and the

Esperanza Exploration Co. on the east end, and the Esperanza Exploration Company and the Esperanza Extension Mining Company on the south side. Several of these properties have ledges of gold bearing quartz, which in numerous instances continue in to the United Oatman Gold Mines Company property, with good prospects of becoming ore producers at depth.

MINING AND MILLING: The ores of this district are remarkably free and easily mined and milled, the gold being in a very finely divided state lends itself readily to the cyanide process of extraction, stamps, ball mills and cyaniding direct with out plating being the usual custom. The physical, as well as the chemical composition of the ore, permits of the simplest and easiest, as well as the very cheapest milling methods being employed, and there is everything to indicate that good workable size ledges of three dollar ore will pay here with modern methods employed on a large scale.

CLIMATE, TRANSPORTATION, TIMBER, LABOR, WATER AND POWER: The climate of this region is arid and healthful with hot summers, mild winters, very dry atmosphere, nights cool, average rainfall five inches, very little snow. Good automobile roads pass at foot of mountain on either side. Santa Fe Railroad is surveyed and will soon be under way. This branch from Topoc, Arizona, on the Colorado River will come within one mile of the United Oatman Gold Mines Company property.

Labor is American and first class, wages \$4.00 to \$4.50, eight hours.

All mine timber is hauled in on motor trucks, and is mostly mill lumber. Prices reasonable for mining camp.

Water for domestic use can be had easily in the canyon, but quantities for milling will have to be provided for , unless ore is treated in a custom mill. Without doubt, water in sufficient quantities for all the new

mines will be provided by water companies, now forming to bring in water from the Colorado River, which is only about eight miles due west from this property. Fuel distillate or oil burning engines are in favor, and most economical here. However, one of the largest electric power producing companies now supplying the Tom Reed Mine, and the town of Oatman, are making preparations to furnish cheap power to the mines of this district.

DEVELOPMENT: With reference to exploration and development of ore bodies on the United Oatman Gold Mines Co. property, one should first expose Jumbo and Ophir Ledges with presumably shallow open cuts through the slide every hundred foot or so, down the mountain until sufficient depth can be obtained for a site for tunnel in on the vein. It is possible to drive the tunnel and meet the intersection of the Jumbo and Ophir ledges inside of 200 feet from point of beginning, but without gaining much depth. However, there is every surface indication on these ledges peculiar in this district to large deposits of good ore near at hand, especially the fact that they pan gold values on the surface. There are numerous places on the property where a working tunnel, approximately 1000 feet long will cut the ledges at equal depth. This item alone reduces the mining to a small proportion of what the cost would be in a shaft where everything has to be hoisted and water pumped to the surface. Such a tunnel would tap the Jumbo, Ophir and probably the Blanket ledge, with an excellent chance of striking other ledges which do not show through the slide, but are exposed on adjoining mines, striking directly towards United Oatman Gold Mines Company's property.

This property has undoubtedly one of the best tunnel sites in this district, and great depth can be attained at the minimum mining cost. Roads can be easily constructed to connect mouth of tunnel with main highways, at the base of mountains at either north or south side.

CONCLUSION: The Oatman district, at the present time owing to the remarkable showing of values at great depth, is the talk of the mining world. Continuity of ledges and uniform values make this camp without doubt the greatest gold mining camp discovery in America. In many respects resembling and rivaling the gold bearing reefs of the Rand District of South Africa. The United Oatman Gold Mines properties are relatively close in and immediately surrounded by properties having the best showings of the district, looking as well on the surface and panning just as much gold on the surface as the biggest and best mines here, the ledges having the same character of surface ores as the largest producing mines of Oatman, with excellent chances of becoming a big gold producers in the very near future. It seems the speculative features are reduced to a point where one can conscientiously recommend the exploration and developing of the ledges of the United Oatman Gold Mines Company's properties, with the fair assurance that large quantities of good milling ore will be obtained within reasonable depth and at the minimum cost.

Respectfully submitted,
Signed W. B. Roberts
Mining Engineer.

814 Balboa Building,
San Francisco, Cal. January 4, 1916

RETYPED tmm
Oct. 23, 2002

Property owned by
UNITED OATMAN GOLD MINES COMPANY.

Situate in San Francisco Mining District
 Oatman, Mohave County, Arizona

Scale, 300 feet to an inch
 Surveyed December 1915 by
 Rasch Bros. U.S. Min. Surv.

