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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: ALGONQUIN

ALTERNATE NAMES:

AMBEMARLE, PAT. CLAIM 1856
PATENTED CLAIMS MS 1856
ALGONKIAN MINES CO.
ANACONDA

YAVAPAI COUNTY MILS NUMBER: 921

LOCATION: TOWNSHIP 10 N RANGE 1 E SECTION 18 QUARTER SW
LATITUDE: N 34DEG 12MIN 15SEC LONGITUDE: W 112DEG 18MIN 00SEC
TOPO MAP NAME: CROWN KING - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

SILVER
LEAD
COPPER SULFIDE

BIBLIOGRAPHY:

USGS CROWN KING QUAD
BLM MINING DISTRICT SHEETS 7 & 8
WEED, W.H. THE MINES HANDBOOK VOL XIII 1918
P 377
AZ. MNG. JRNL. SEPT. 1917 P 14
LINDGREN, W. ORE DEPTS OF JEROME & BRADSHAW
MTNS QUADS USGS BULL. 782, 1926 P 171
ADMMR ALGONQUIN FILE
YAVAPAI MAGAZINE JUNE 1918 P 12
CLAIMS EXTEND INTO SEC. 18, 19 & 30

ALGONQUIN

10/84

YAVAPAI COUNTY
T10N R1E Sec 18, 19, 30

MILS Yavapai Index #921

AKA: Algonkian, Ambemarle, Patented Claim 1856,

The Mines Handbook, Vol XIII, 1918, p. 377

Arizona Mining Journal, September 1917, p. 14

USGS 782, 1926, p. 171

Yavapai Magazine, June, 1918, p. 12

Includes 6 patented claims: Anaconda, Plata Belle, Polar Star, Crowned King
(Not to be confused with the Crowned King patented claim T10N R1W Sec 2)
Primrose, Empire

USGS
782

rite of the King road, at an altitude of 6,500 feet. The upper tunnel is a crosscut for 400 feet, whence the main level runs 1,627 feet southward to an old shaft 115 feet deep. The ore shoot pitches northward and is said to have a horizontal length of 400 feet. All ore from the surface to a depth of 100 feet below the tunnel level is said to have been extracted. The vein should be opened from the lower tunnel, which of course would necessitate moving the mill.⁵³ This vein is contained in Yavapai schist near the contact with the great granitic area on the east. The strike is N. 18° E.; the dip is steep to the west. The schist is amphibolitic in part and contains little tourmaline, probably derived from the adjoining Bradshaw granite. Near the vein alteration has replaced the rock by sericite and ankeritic carbonates. The ore is reported to average 5 to 6 feet in width. In the main vein is similar to the ore of the Wildflower, Crown King, and other parallel veins. The gangue is chiefly earlier ankerite and later drusy quartz, between the crystals of which the sulphides are filled. The sulphides are pyrite, chalcopyrite, sphalerite, galena, and tetrahedrite. The ore is reported as of good grade; the concentration contained 1 to 4 ounces of gold and 10 to 24 ounces of silver to the ton and 15 per cent of copper.

OTHER PROPERTIES

Two miles east of Crown King, in Horse Thief Canyon, is the deposit of the Algonkian Mines Co. No work was being done there in 1922, and the place was not visited. It lies in the main area of Bradshaw granite. Weed's Mines Handbook of 1922 gives the following information:

Development by tunnels and shaft totals 2,400 feet. The lower or Algonkian tunnel, 1,100 feet, runs along the dike contact, on the Anaconda claim. For 50 feet it is reported to follow the apex of an ore shoot; a raise run from the tunnel to the surface at 322 feet is said to be on the ore body. This air shaft continues as a 50-foot winze below the tunnel, and a drift north from the bottom shows galena with occasional bunches of glance and chalcopyrite.

The Silver Crown Mining Co. has the North Boulder, South Boulder, and Black Bear claims, not far east of the Crown King mill, adjoining the Tough Mountain property of the Crown King Co. The vein, which strikes north-northeast, appears to lie in the extension of the Oro Belle line of lodes in the Tiger district. The claims are developed by a tunnel 950 feet long in which some good silver ore has been found. The ore shows drusy quartz and later ankerite, with galena and pyrite.

⁵³ These data are in part from a report dated 1920 by E. A. Wetmore, a mining engineer, who died at Crown King in the same year.

ether with a 100-foot tunnel and several minor openings.

The nature of the ore is honey-combed quartz with silver chlorides, varying from 30 to 100 ounces silver per ton. In the deeper shafts copper makes its appearance, and samples have been assayed that range from 3 to 20 per cent copper, with good values.

Several small shipments have been made. These gave very satisfactory results, the silver and the copper values both being high.

The Spring Green group is situated in a thickly timbered section, where there are enough large pines for domestic and mining purposes to last for years. It is an old-time property, having been located in the early days by J. Dickey, who is still one of the owners, the other being Ed Block of Cotton.

70 of the old smelter returns on shipped in the year 1906 show: Heavycombed quartz: Gold, none; silver, 105.06 ounces; copper, none. Copper-silver ore: Gold, none; silver, 5.10 ounces; copper, 15.62 per

cent. **La Belle**—This property with the mining Gray Eagle were known in the old days as the Tiger Gold Mine. Between 1902 and 1912 it produced more than \$1,750,000 of bullion and received \$237,000 in dividends. In those years there were 200 men employed and production was \$296,000.

The management borrowed \$100,000 from A. S. Barnes. In 1912 the Barneses foreclosed their mortgage and the property over. The property was controlled under a long time by C. H. Jonas of Los Angeles and others. Work is being done in the heads at the present time and there are ten men employed. The output of ore is being handled by the Barneses. At the same time, Mr. Jonas and his associates are doing considerable exploratory work, and as new ore is opened up additional leases are let.

More is being mined on the property for the lessees by Henry Braun. The mine is equipped with a 20-stamp mill. Braun is working one unit of stamps.

The Rock Gold Co.—Owns ten patented claims. A big vein of magnetite iron traverses the property. It varies about 18 feet in width. There is massive capping that carries \$7 in lead and zinc. An 800-foot tunnel gives about 750 feet of ore. About 200 feet from the portal a tunnel shaft was upraised and sunk 100 feet below the level. There is a second tunnel 100 feet. The workings expose a considerable body of ore carrying from 1 1/2 per cent of copper. The property is controlled by Geo. P. Harrington of Crown King.

The Belle—Consists of four patented claims. A 350-foot shaft with about 100 feet of drifts has developed a body of ore that runs 30 per cent zinc with 5 to 8 of gold. The ore body is a continuation of the Tiger vein. The plant consists of a boiler, hoist, and other accessories. The mine has been all hand work. The property is owned by the Gazelle Mining Company, which is controlled by Geo. P. Harrington of Crown King. **The Independence Group**—Comprises sixteen claims lying near the Pacific and Independence properties. Development is principally of two tunnels, one about 800 feet. There is considerable high grade copper on the

is in the immediate vicinity of this property, formerly boasted a little smelter. The smelter is now shut down.

Pacific Copper Mining Co.—Owns 30 claims, 10 of which are patented. It is situated 10 miles south of Crown King. About \$150,000 has been spent on the property. It is well equipped, but as yet is comparatively undeveloped, as the people interested are involved in a lawsuit. There is a 500-foot shaft and about 1500 feet of lateral development. The mine is equipped with a 120 h.p. plant, an 80 h.p. vertical engine with a 4-drill compressor, a 20 k.w. triplex pump and a 40 h.p. gas hoist. There are about 700 tons of ore on the dumps. A few small shipments of ore have been made. Some of the samples of ore show a 35 per cent copper content. John Kelly is president; W. J. Morse, secretary. Offices: 415 Board of Trade Building, Kansas City, Mo.

Independence Group—Consists of five claims in the Silver Mountain district. It is owned by the Independence Mines Development and Recovery Company. A 200-foot shaft is being continued. The permanent water level has just been touched and copper values are coming in. The vein is from 100 to 200 feet wide, and is a direct extension of the Pacific and O'Brien mines. The Pacific is on the eastern slope of Silver Mountain and the Independence on the western slope and the O'Brien between.

The formation at the Independence is more heavily faulted than on the eastern slope and at the bottom of the 200-foot shaft gases are being encountered. This is taken to be a good indication for the early cutting of the big ore zones. This property is backed by R. L. Roberts, Wm. S. Bickell and other Gallup, N. M., business men. It is under the management of Wm. S. Bourne, who is in charge of work at the camp.

The old toll road from Phoenix crosses the property. It can easily be repaired into a good road to Crown King, or to the railroad southward.

The district in which the Independence is located has been examined by some of the best posted mining engineers who have been in the section and nearly all agree that it is a district of much promise. The development of a big copper mine there would naturally lead to the extension of the Crown King railroad into that section, and the consequent opening of many properties that are now being passed up on account of lack of railroad facilities.

Springfield—Was recently taken over by the Springfield Copper Company, the stockholders of which are men interested in the Bradshaw Development Company. M. P. Randolph is secretary and general manager. A shaft of 135 feet on the Venus claim, with laterals at the 135 level has established a ledge from 8 to 10 feet in width, carrying from 7 to 10 per cent of copper and from 2 to 5 ounces of silver. Two cars of ore have been shipped that averaged 10 per cent copper. A road is being completed to the portal of the Gorilla tunnel on another ledge. This tunnel is now in 250 feet. A 50-foot winze was sunk about 90 feet from the portal. At the bottom of the ginze, crosscuts were driven

The Algonkian. (lines em...eral groups of claims, some are located on what were... in the early days as silver... which are now looked upon... among the desirable copper... of the district. There are... 14 of which endline each other... tending north and south... main vein. The Algonkian... vein is one of the most per... the Bradshaw Mountains, and... through the Algonkian M... company properties for a distance... three miles. A large portion... property has been developed... Algonkian tunnel, which was... on the vein about 1100 feet... good silver-lead ore showing... countered in the tunnel was... there was a constant impre... from the surface to the tunnel... the maximum depth of develop... being about 500 feet. A 50-foot... was sunk from the tunnel and... other improvement in the mine... tion was found.

A wagon road has been built... railroad. Since the building... wagon road, other improve... been in process, preliminary... stalling the air compressing... hoisting machinery. A new... started working shaft will... kian tunnel.

The main mineralization... in the form of a good grade... silver ore. Copper sulphide... in good quantity as depth... below the tunnel level. Min... geiners conversant with the... look forward to the develop... large commercial copper ore... soon as sufficient depth is... the new shaft work. There... eral important zones of mine... along the Algonkian contact... other of these important ore... will probably be taken up... oped in the near future.

The geological cond... lar to those found... the Verde Copper Belt... schists coming in contact... trusive porphyries have... ideal situation for sub... alization. The Crown... is viewed as being a co... the vast mineral belt... northward to Jerome. A... are other important mi... the De Soto, Blue Bell... ton.

The Algonkian prop... been under process of... steadily for about two... soon as the new shaft... way, the deep develop... properties will progress.

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silver and some lead. ... ore was discovered on... the early 70's and was... arastra. A 25-ton lot of... sent to the old Tiger g... \$20 in gold. The prop... by George P. Harrington... King.

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which will warrant erection of a mill at each place. s. Hayes also represents the owners of the Crazy Basin mine, Dr. and Mrs. Franklin Powell, of Chester, Pa., and she recently sold the old Hidden Treasure mine, which has a reputation for high grade gold ore production, to her nephew, Fred Clark of Phoenix.

The Swastika Mine

Another carload of high grade silver ore, the best shipment for some time, has been made by F. W. Giroux and associates, leasers of the old Swastika mine at Peck's siding, a short distance west of Turkey. The Swastika mine has an excellent record as a shipper of high grade silver ore. The owners have received about \$65,000 in net profits besides more than \$7000 in royalties that have been paid over by the present leasers. The mine adjoins the famous old Peck mine, from which approximately 5,000,000 ounces of silver was taken in the eighties. There is a large amount of milling ore left in the old workings of both the Peck and the Swastika.

The Algonikian Mine

A railroad spur has been surveyed from the Peck siding to the Algonikian mine, a distance of two and a half miles southeast. New York capital, headed by Geo. F. Shurtliff, is developing a large mining property bearing a number of veins of lead, silver and copper. A tunnel has been run 700 feet and an upraise is being made on a vein that goes from \$60 to \$70 a ton. Heavy machinery has been brought in from Saddle siding for a hoisting plant. The new railroad spur will aid in developing a large section of country. A. C. Wardle, recently of Tonopah, Nev., is the mine superintendent.

Copper Mining company, announces that extensive developme. of the company's property will begin shortly. A gasoline hoist has been delivered at the mine and a shaft is to be sunk on a big ledge of copper, silver and gold ore, which is traceable to Copper mountain. The mine is located about two miles east of Turkey. The company is fully financed. The officers are: President, Dr. F. N. Bonini, Niles, Mich.; vice president, Wm. Miller, Kansas City; secretary and treasurer, H. M. Coffman, South Bend, Ind. This property has one of the largest veins of milling ore to be found on the entire belt.

Parker and Great Republic Mines

Negotiations are under way for the purchase of the old Parker and Great Republic mines, which are two of the best known properties in the Turkey district. There are a number of veins of ore that will run very high in copper and gold. There is a stamp mill with cyanide annex, on the Parker property. The Pickaway mine, located between the Parker and the Great Republic mines, is included in the deal. There is a total of 900 acres in the three properties.

The Turkey Gobbler Mine

James Cleator who owns the Turkey Gobbler mine, with several mining claims on which the town of Turkey is located, expects to close a deal with Los Angeles people for the sale of the property. Now that the building of the railroad from Turkey south is assured, the property has considerable value as a townsite. The development consists of several shafts and tunnels in a good grade of gold ore. Turkey will be the junction point of two railroads.

The new railroad will open up a

ping stage, but owing to the transportation heretofore, they have not been worked. This is interesting to the investor because of the reason that so much ore is open

Big Copper Chief Co.

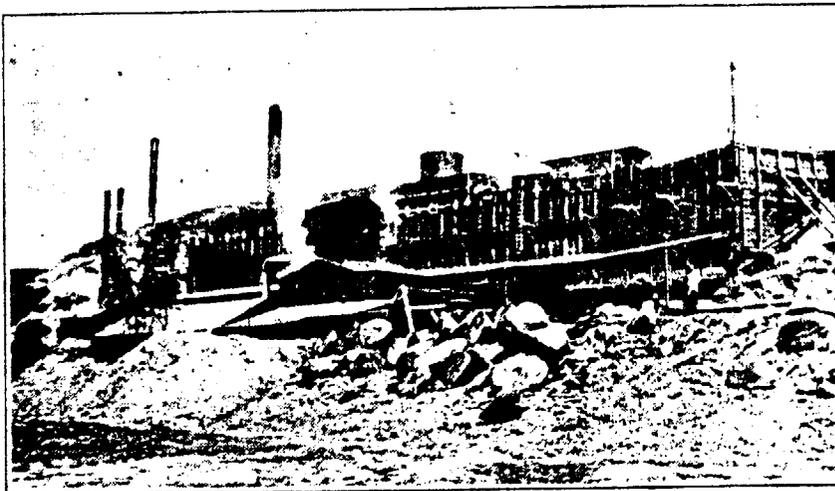
A contract is about to be let by the Big Copper Chief company for the sinking of a 500-foot shaft on the most promising new property on the belt between Mayer and Jordan river. About a year ago Jordan Grace, real estate man of Phoenix, secured a large holding of mining ground on Black canyon, a mile and a half southwest of Bumblebee. They began developing the property with their own money first, but later terminated the extent of the shaft was sunk 50 feet at the end in the center of a mining zone at least 300 feet wide. It is estimated that 100,000 tons of milling ore can be quarried from the mountain side to the depth of the shaft. Some of the ore is of high grade and runs high. On the claim, a tunnel has been run 100 feet which has tapped a vein next to an iron dyke which is traced throughout the entire north and south. Ore in this vein is cut in three separate veins and carry a milling grade. In a shaft at the north end of the property gold ore running as high as a ton has been encountered.

The officers of the company are: President, Thomas Boyd, a banker of Mound City, Ill.; vice president, Grace, Phoenix, and secretary and treasurer, S. E. Jordan, Phoenix.

This will be one of the first to furnish ore when the new railroad is built through the Black canyon. The management of the mine is guaranteed to ship the first ton of copper ore that goes over the new railroad.

Copper Key, Black Dome and Russell Mines

The large veins of ore which have been opened and proven on the Copper Chief company's ground have been found to extend both north and south and three groups of claims on Copper Key, Black Dome and Gordon Russell mines have been acquired by these same Phoenix men. They own 500 acres in the Turkey district and plans are under way to develop them extensively. N. Nellis, who owns an interest in these properties, is the locator.



Great Western Smelter at Mayer

ALGONQUIN

YAVAPAI COUNTY

KAP WR 4/24/87: Donavin R. Zoffka, 4229 W. Mescal, Phoenix, Arizona, phone 972-2177 reported he recently accompanied a Boy Scout troop on a hike to the Algonquin Mine (file), Yavapai County. He described the condition of the portals (caved closed) and the property as the same as our last visit.

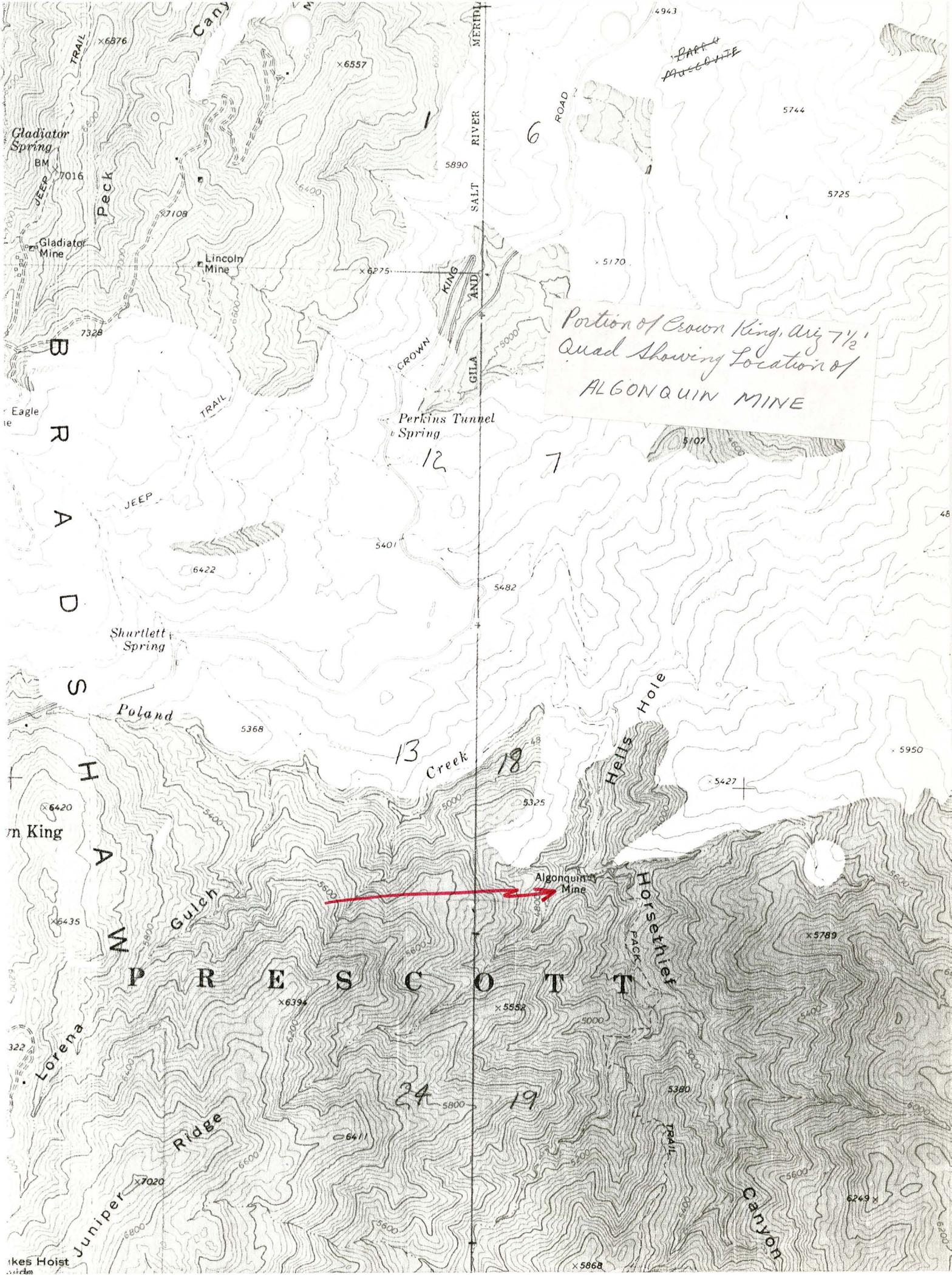
Sheet 1 of 2

COMMODITIES Gold, Silver, Lead, Copper, ZincMILS ID No. 921 Date August 21, 1980ENGINEER Ken A. Phillips

INFORMATION FROM: _____

PROPERTY SUMMARY

- I. MINE NAME Algonquin OTHER POSSIBLE NAMES Algonkian, Algonikian
INCLUDING ANY CLAIM NAMES NOTED _____
- II. LOCATION: T 10N R 1E SEC(S) 18, 19, 30 MINE DISTRICT Pine Grove
ELEV. 4600 COUNTY Yavapai TOPO QUAD. Crown King 7.5
DIRECTIONS 2½ miles by foot from Cleator-Crown King Road in Horse Thief Canyon
½ mile up stream from confluence with Poland Creek. See attached map, CrownKing Quad.
MAP ATTACHED _____
- III. OWNERSHIP: NAME Pleasant Country Inc. PHONE _____
ADDRESS: 1500 Del Webb Tower, Phoenix, Arizona
COMPANY NAME IF ANY: _____
PERTINENT PEOPLE _____
- IV. PROPERTY AND HOLDINGS: A north-south running group of 6 patented claims
- V. PAST PRODUCTION - NOTED, KNOWN, PROBABLE, UNKNOWN, NONE _____
- VI. CURRENT STATUS: _____
- VII. WORKINGS: None accessible 8/9/80. The Mines Handbook, 1922, page 194
"Algonquin Mines Co. Arizona" (copy attached) describes workings briefly. Total
footage 2,400' (1919) including 1,100' tunnels, 322' raise, 50' winze
- VIII. GEOLOGY AND MINERALOGY: DEPOSIT TYPE: Shear zone
LENGTH: _____ WIDTH: _____ VEIN STRIKE N-S
HOST ROCK: Yavapai Schist, Bradshaw granite, Precambrian
ECONOMIC MINERALS: Chalcocite, galena, chalcopyrite
- COMMENTS: Shear zone paralleling diabase-monzonite contact, porphyry dikes
Limonite stained quartz and altered country rock
- IX. EQUIPMENT ON SIGHT: _____



PORTION OF CROWN KING, ARIZ 7 1/2' QUAD SHOWING LOCATION OF ALGONQUIN MINE

DARK ASSCHITE

7

12

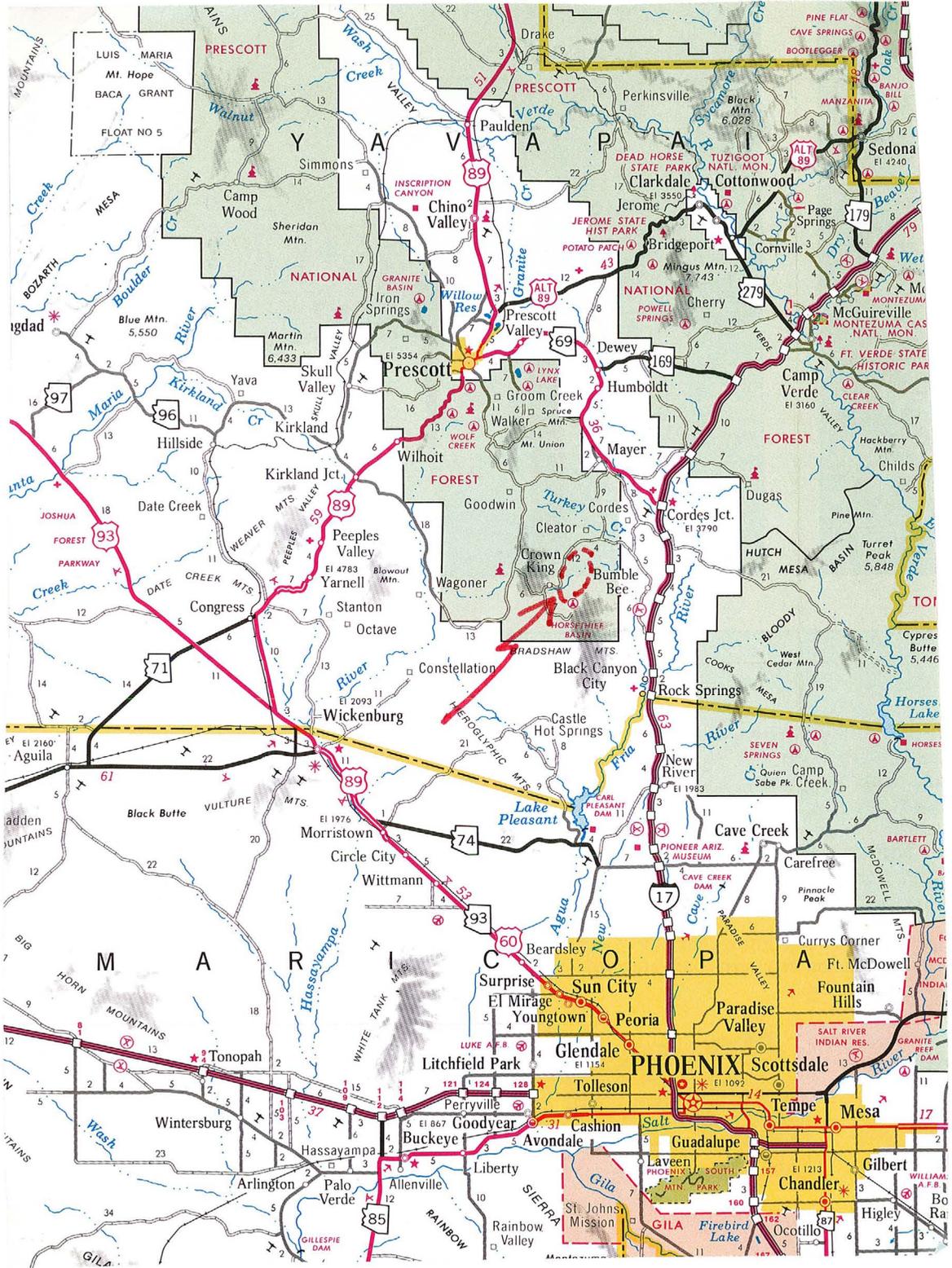
13

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Gladiator Spring
Gladiator Mine
Lincoln Mine
Perkins Tunnel Spring
Shurtlett Spring
Poland
Hells Hole
Algonquin Mine
Horseshoe Pack
Canyon
Juniper Ridge
Gulch
Creek
Peck
Crown King
Gila
Salt River Meridian
Trail
Road
Eagle
BM 7016
BM 7328
BM 7108
BM 6422
BM 5368
BM 6420
BM 6435
BM 322
BM 7020
BM 6411
BM 5868
BM 5789
BM 6249
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BM 800
BM 600
BM 400
BM 200
BM 0



Regional location of Algonquin Mine, Pine Grove District, Yavapai County, Arizona

Property: 6 claims in Alamo Springs district, Yuma county. Development: by 507' incline shaft and 55' Kipp shaft. Equipment. includes 12 h. p. hoist, compressor, jack-hammers.

ALCYONE MINING CO.

ARIZONA

Office: Oatman, Ariz.**Officers:** W. O. Wright, pres.; Niels Buck, v. p.; Chas. F. Pugh, sec.-treas.-mgr., with H. C. Topp and H. T. Becker, directors.**Inc.** Nov., 1915, in Arizona. **Cap.** \$100,000; par 10c; 700,000 issued.**Property:** 4 claims, now being patented, in San Francisco district, 2½ miles south of Oatman. Mine shows a quartz fissure vein in andesite; strike N. 80° E., dip 68°. Ore, free milling gold, said by company to run \$42 per ton.**Development:** by 415' incline shaft and 800' underground workings. The crosscut west on the 400' level was in 450', May, 1921, cutting numerous small veins.**Equipment:** 60 h. p. hoist, compressor, etc. Management plans further drifting, diamond drilling, and sinking.**ALGONKIAN MINES CO.**

ARIZONA

Office: 8 W. 40th St., New York. **Mine address:** Crown King, Yavapai county. A. J. Heath, mgr.**Officers:** Geo F. Shurtleff, pres.; John B. Frich, v. p.; John L. Schellberg, sec.; J. Edward Michel, treas., with Ralph H. Cameron, directors. **Inc.** 1910, in Arizona. **Cap.** \$1,000,000; \$1 par; 402,645 outstanding. Registrar & Transfer Co., N. Y., transfer agent.**Property:** 17 claims, 5 patented, 335 acres, in Bradshaw mountains, 4 miles east of Crown King, Yavapai county. Fourteen claims are said to be along a shear zone, paralleling a diabase monzonite contact. The schist is intruded by several porphyry dikes or sheets parallel to the schistosity. Mineralization is said to occur in the porphyry at the diabase contact.**Development:** by tunnels and shaft totals 2,400'. The lower or Algonkian tunnel, 1,100', runs along the dike contact, on the Anaconda claim. For 350' it is reported to follow the apex of an ore shoot; a raise run from the tunnel to the surface at 322', is said to be on the orebody. This air shaft continues as a 50' winze below the tunnel and a drift N. from the bottom shows galena with occasional bunches of glance and chalcopyrite. Equipment, sold, 1919.

Presumably idle. Company is a Cameron-Michel corporation.

ALPHA COPPER MINING CO.

ARIZONA

Office: 34 S. Stone Ave., Tucson, Ariz.**Officers:** John W. Bogan, pres.; R. J. Monahan, v. p.-mgr.; Geo. P. Myers, sec., with F. S. Lockwood, J. L. Toohey, J. W. Bogan and John Nelson, directors.**Inc.** Oct. 7, 1916, in Ariz. **Cap.** \$1,000,000; \$1 par; increased from \$500,000 March 16, 1917; 350,000 shares in treasury. Last offering of 100,000 shares at 50c. made in May, 1917.**Property:** 22 claims, about 450 acres, including the Pima and Fries groups, situated midway between Mineral Hill and Twin Buttes camps, San Xavier district, Pima county. The tract is underlain by granite capped on the hills by quartzite and traversed by two different sets of veins, both metalliferous. The fracturing is complex and the veins associated with porphyry and andesite dikes, and wide breccia zones.**Ore:** carries silver and copper as chalcopyrite and gray copper (tennantite) with silicious gangue. The Pima mine, opened to 150' in depth, 1876, produced \$85,000 in silver.**Development:** by 215' shaft on the Pima vein with levels at 150' and 200' cutting 2 veins, 4' to 5' wide, with stopes above 150' level yielding ore that ran 37.2 oz silver and 3.55% copper.Equipment
engine hoists.
Reported
Assessment**ALTA MINI**Idle. Mai
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Mining Co., S

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AMERICAN ORE**Address:** R. S
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ANACONDA COP**Owner:** D. W
Property: 11quartzite contact, 2
and adjoining the C
sunk on the contac
and 1.65% copper.**ANDERSON & BIL**Operated a mill
in 1918. See Vol. 2**ANGLO SAXON S**
Officers: J. E.