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08/18/86

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: CWT MINE

ALTERNATE NAMES:

PIMA COUNTY MILS NUMBER: 220

LOCATION: TOWNSHIP 17 S RANGE 12 E SECTION 23 QUARTER NW
LATITUDE: N 31DEG 56MIN 27SEC LONGITUDE: W 111DEG 05MIN 39SEC
TOPO MAP NAME: TWIN BUTTES - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

ZINC
COPPER
LEAD
SILVER

BIBLIOGRAPHY:

AZBB BULL. 189, P. 134, 1974
ADMMR CWT MINE FILE

CWT MINE
Continental Exploration
P.O. Box 11216
Tucson, Arizona (1966)

PIMA COUNTY

Metal Mining & Processing Nov. 1964 p. 7
Metal Mining & Processing March 1965 p. 33
Metal Mining & Processing April 1965 p. 41

E&MJ Vol 165 No. 11 Nov. 1964 p. 122
E&MJ Vol 166 Apr. 1965 p. 120
E&MJ Vol 167 No. 1 Jan. 1966 p. 82
E&MJ Vol 167 No. 7 July 1966 p. 119
E&MJ Vol 167 No. 8 Aug. 1966 p. 130
E&MJ Dec. 1966 p. 126
E&MJ Vol 168 Sept. 1967 p. 178

World Mining Feb. 1965 p. 120
World Mining Sept. 1965 p. 120

Skilling's Mining Review April 16, 1966 p. 10
Skilling's Mining Review May 14, 1966 p. 8
Skilling's Mining Review Nov. 19, 1966 p. 20
Skilling's Mining Review May 13, 1967 p. 10
Skilling's Mining Review Nov. 23, 1968 p. 10
" " " May 10, 1975, p. 8

Mining Congress Journal Oct. 1967 p. 19

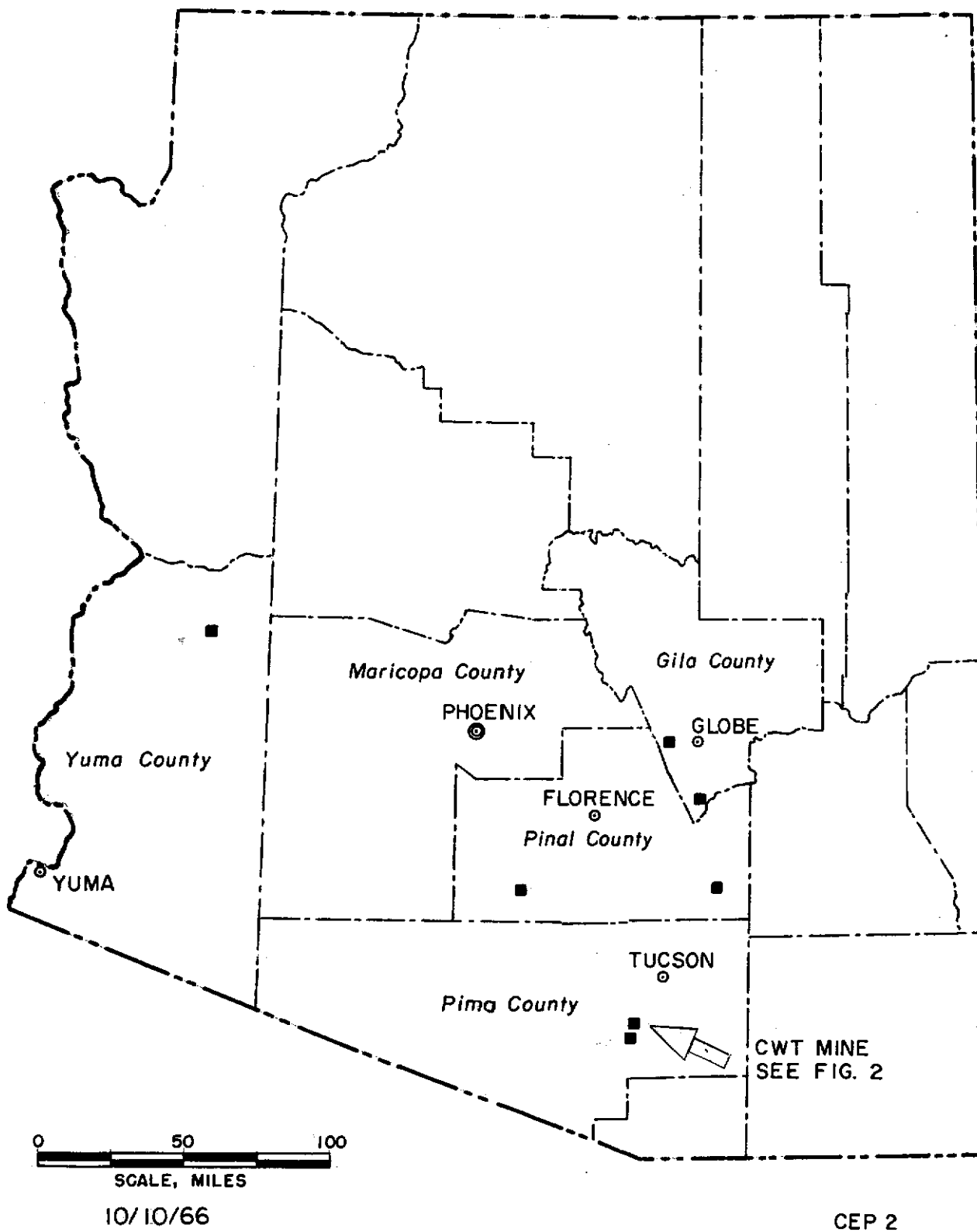


FIGURE 1.- Index Map, Continental Exploration, Inc.

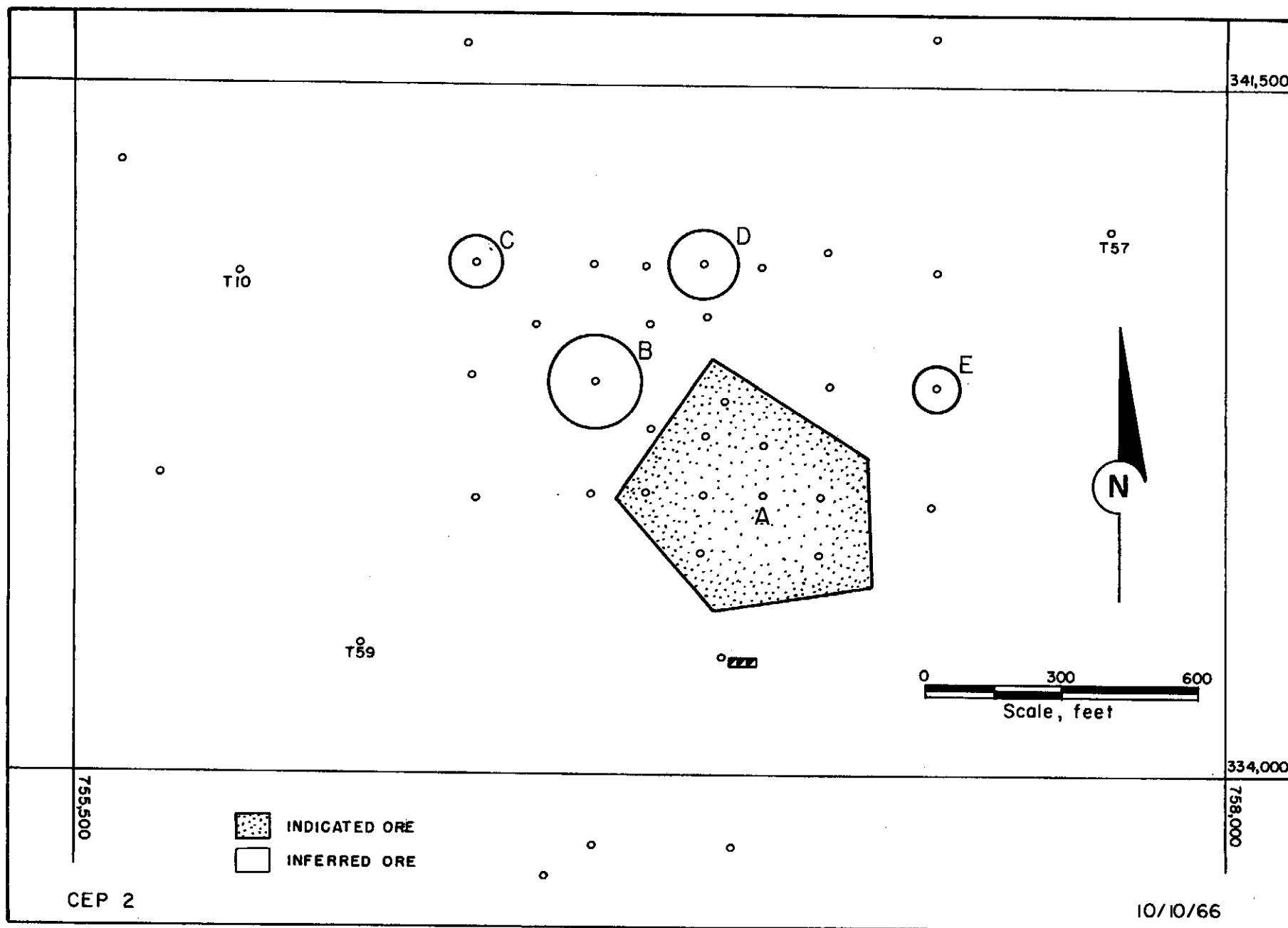


FIGURE 5.-Plan of Ore Blocks, Upper Ore Zone, CWT Mine.

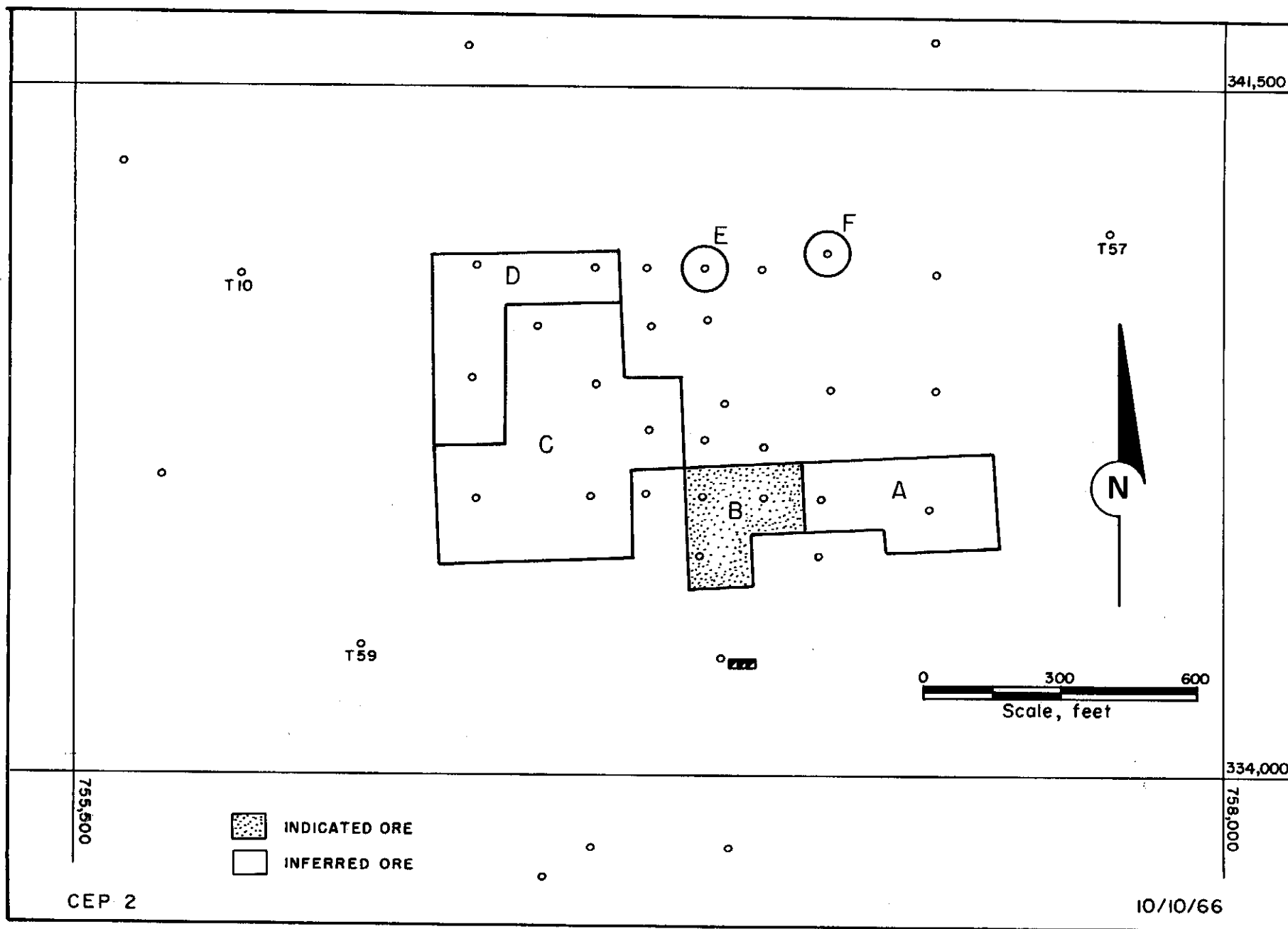


FIGURE 6.-Plan of Ore Blocks, Lower Ore Zone, CWT Mine.

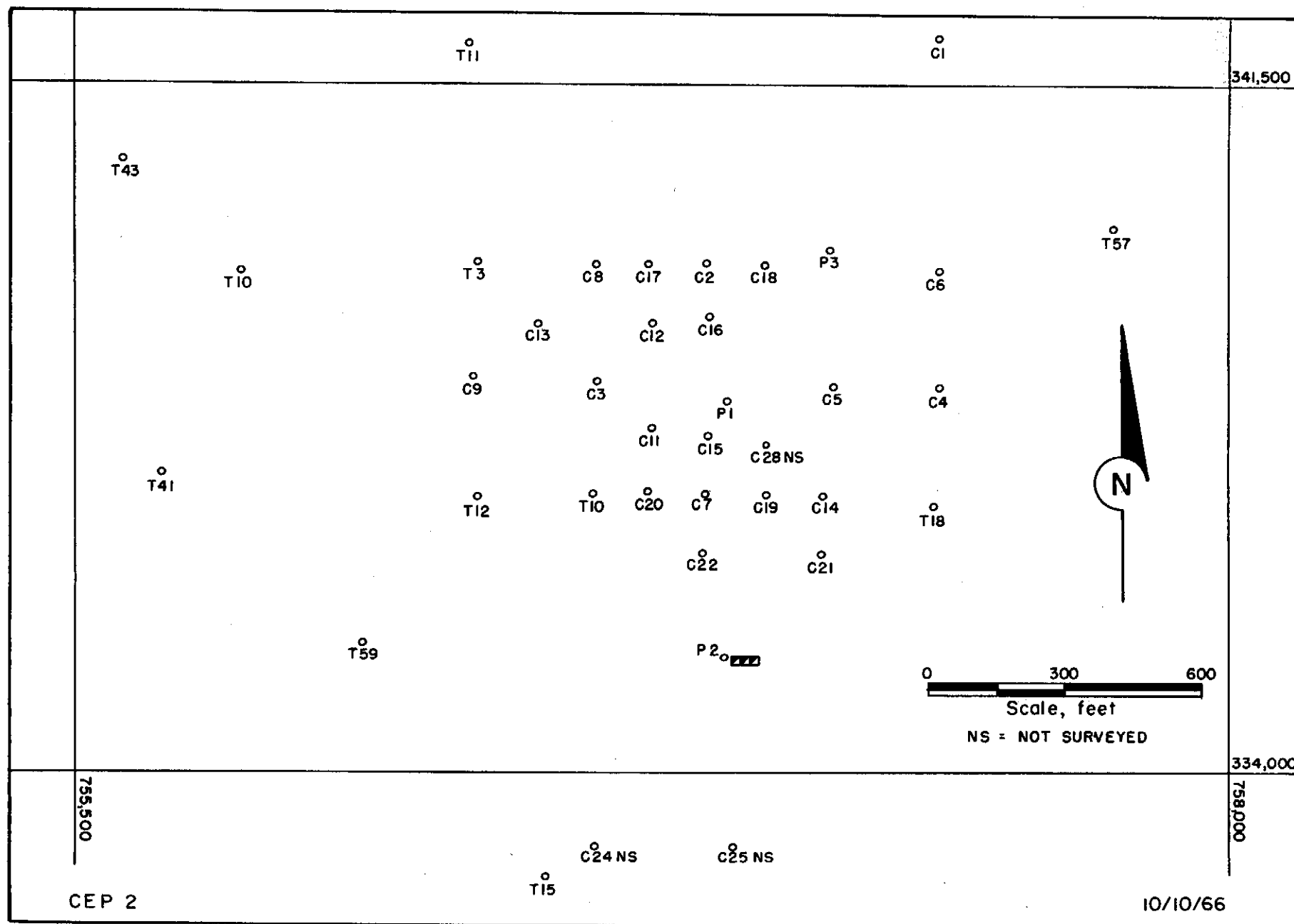


FIGURE 4.- Plan of Drill Holes, CWT Mine.

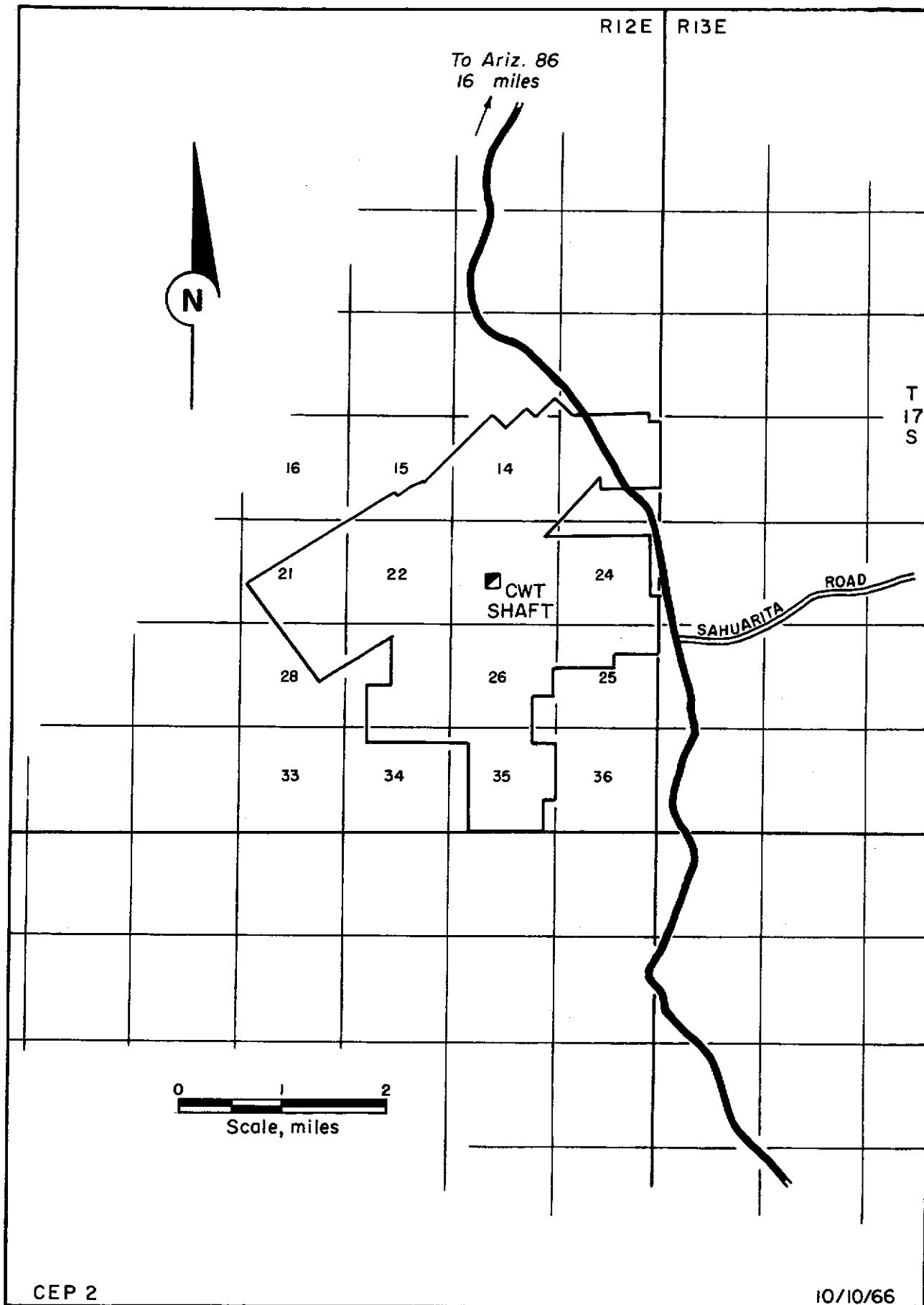


FIGURE 3.-Claim Map, Continental Exploration, Inc.

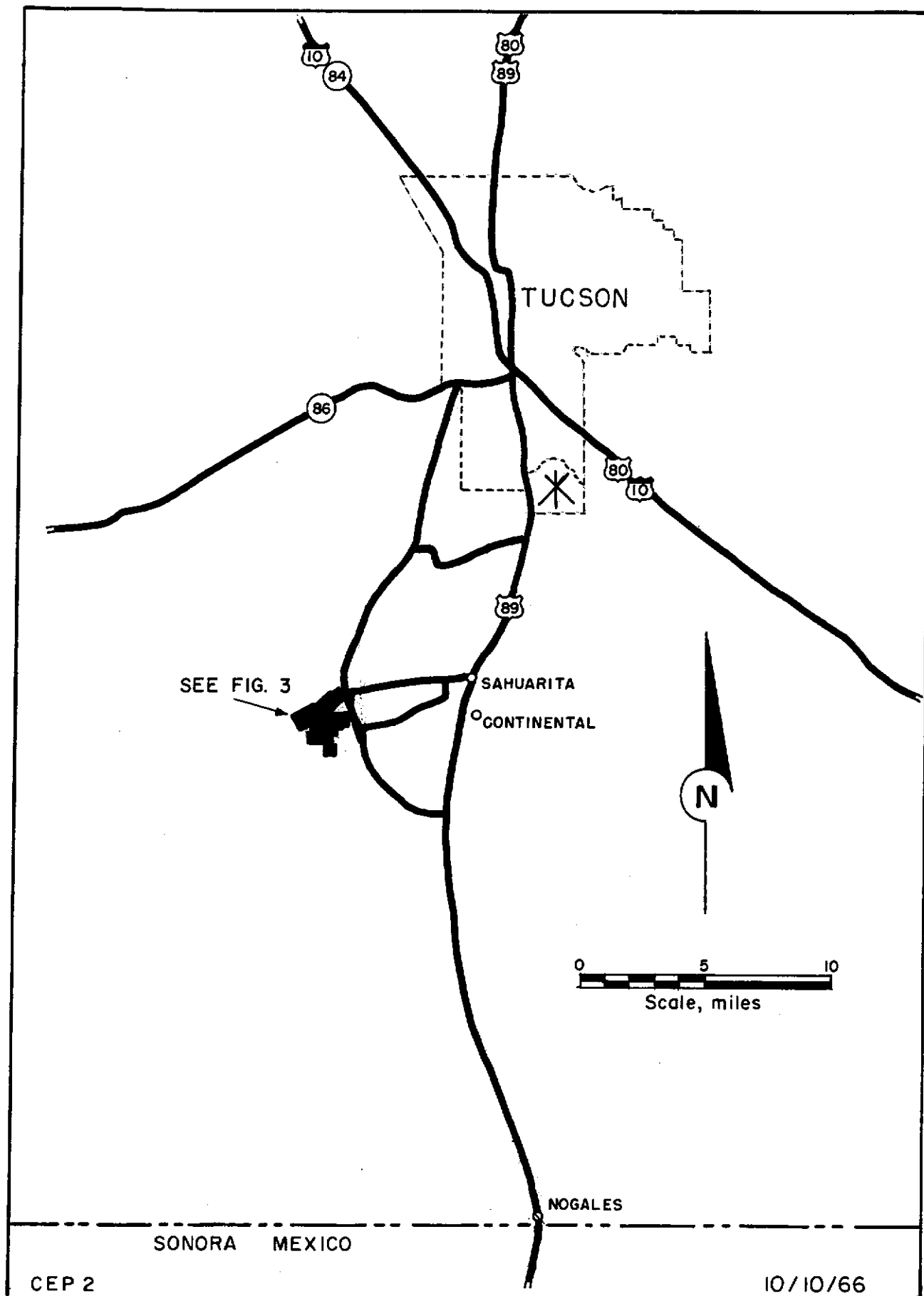
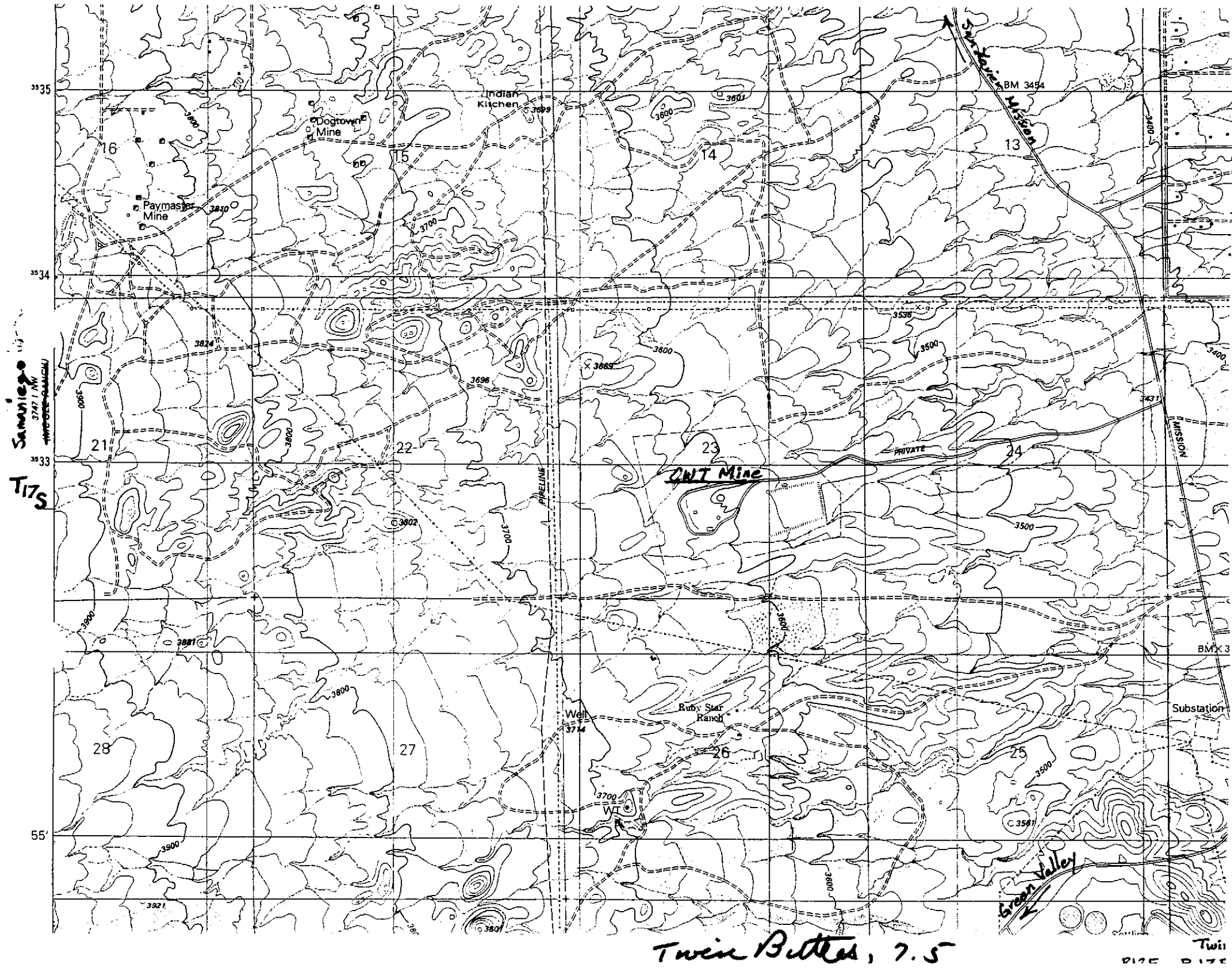


FIGURE 2- Location Map, Continental Exploration Inc.



Continental Materials' zinc and copper production from the underground CWT mine, Twin Buttes, has been disappointing since the May opening, company president, Gerald Gidwitz, reported.

Designed to handle 500 tpd, the mine is now operating at 300 tpd from an orebody between the 800 and 1,000-ft levels. The shaft is three miles southwest of Anaconda's pit development.

Orebodies in this area of the Twin Buttes district have a history of being high grade. Milling values are averaging 7.2% zinc, 1.08% copper, 0.3% lead, and 1.54 oz silver per ton.

Reports indicate that the underground geological studies of the CWT mine of Continental Materials Corporation, near Tucson, Arizona, have shown that the copper-zinc ore body is far smaller than originally expected. The company is said to plan to operate the property as long as it can do so without a loss. More than \$4 million have been invested in the development of the mine. *PAY DIET 12/1967*

The CWT Mine of Continental Material Corp. southwest of Tucson produced copper lead and zinc concentrates in the period May thru November, then shut down the first of December. *PAY DIET 3/1968*

Firm Re-opens McCracken Mine In Owens District

(A PAY DIET Exclusive)

Magnum Mining Company, a wholly owned U.S. subsidiary of Magnum Consolidated Mining Company Ltd., Vancouver, B.C., has completed its feasibility-development program (except for the drilling of a test water well) at the McCracken silver-lead property in the Owens Mining District south of Kingman.

Pilot plant metallurgical investigations have been conducted at Hazen Research, Inc. at Golden, Colorado.

A 15-inch test hole is currently being drilled in an attempt to develop sufficient groundwater supply for a 500-ton-per-day flotation concentrator.

A final feasibility report is expected to be received from Magnum's consulting engineers by the end of November.

Arrangements are being completed for the purchase by Magnum of the CWT concentrator formerly operated near Twin Buttes, Arizona by Continental Materials Corporation. Present plans call for removal of this mill from its existing site and relocation at the McCracken property.

While the McCracken mine has in the past produced both shipping and milling ores from underground workings it is proposed that the new operation will recover lower grade material from two small open pits and a gloryhole.

Magnum Mining Company is headed by Vancouver mining engineer B. O. Brynelsen who is also President of Brenda Mines Ltd., a Canadian company presently preparing for production at the rate of 24,000 tons per day from its low grade molybdenum-copper deposit near Peachland in south-central British Columbia.

Continental Materials Offers Stock in Subsidiary

CHICAGO—Continental Materials Corp., a diversified holding company, announced that it has concluded an arrangement with a Luxembourg bank under which the bank will use its best efforts to well up to 5 million shares of a special class of stock of a newly-formed subsidiary of Continental.

If all shares are sold, the net proceeds to the subsidiary, United States National Mining Corp., could be as much as \$3,750,000 depending on the price per share as finally

determined.

It is contemplated that the price will be somewhat in excess of the price of a Continental share at the time the subsidiary stock is sold. The subsidiary will use the proceeds to explore and develop mining properties in the United States.

Under the organizational plan, the subsidiary is receiving the Norte copper property in Southeastern Arizona, an undeveloped 1,200-acre exploration tract on which the management reports it found copper mineralization.

Continental Exploration is reported still evaluating its option at Johnson Camp.

PAY DIET 3-1969

Continental Exploration, Inc., is reported continuing evaluation of its Strong & Harris option at Johnson Camp in Cochise County. *PAY DIET 4/28/69*

Of Mines And Men

The discovery of what may be a "significant" copper deposit on its holdings in the Santa Catalina Mountains, near Tucson, has been announced to stockholders by the Continental Materials Corporation. The company stated that significant sulphide copper mineralization with minor silver values had been found in 14 of 17 holes drilled the past year in an area of the property about 1,500 by 2,500 feet in area. The copper deposits were said to lie in layers—with limestone slabs between—at depths ranging from 150 to 1,080 feet. Assays have varied substantially, the company said, but average 2.3 percent copper and 0.78 ounce of silver per ton.

According to Gerald Gidwitz, chairman,

drilling has been suspended temporarily, but will be resumed in the spring with exploration to continue for at least another year. "The extent and scope of the orebody can't be delineated with certainty based on these drill holes; however, work to date appears to indicate a multi-million-ton orebody that will support an underground mining operation," Gidwitz said. Meanwhile, he added, metallurgical and feasibility studies on mining methods will be conducted.

Continental Materials has assembled a number of old mines and mining claims, including the old Control mine, covering from 600 to 1,000 acres of mountainside in the Marble Peak-Oracle Ridge area, some three miles below Summerhaven, and has secured options on additional properties.

This is Continental's second attempt to develop a copper property in the Tucson area. Its previous exploration and development effort was at the old CWT copper-zinc orebody in the Twin Buttes district, southwest of Tucson. Production there was discontinued when the orebody proved to be far smaller than originally believed and when costs became prohibitive.

C. H. Russell is the company's mining vice president; John Roscoe, manager of Arizona operations. *PAY DIET 2-22-71*

Shilling 4/28/69

OVER
NEXT
Page

Continental Arranges Sales of Stock of New Subsidiary

U. S. National Mining Corp. receives Arizona copper property

Continental Materials Corp., a diversified holding company, announced on Nov. 15 that it has concluded an arrangement with a Luxembourg bank under which the bank will use its best efforts to sell up to 5,000,000 shares of a special class of stock of a newly formed subsidiary of Continental. If all shares are sold, the net proceeds to the subsidiary, U. S. National Mining Corp., could be as much as \$3,750,000 depending on the price per share as finally determined. The price is expected to be somewhat in excess of the price of a Continental share at the time the subsidiary stock is sold. The subsidiary will use the proceeds that it receives to explore and develop mining properties in the U. S.

The Luxembourg bank will offer purchasers of the stock the right to exchange the stock for Continental common shares or, alternatively, the right to a refund of an amount equal to the original purchase price. Continental will make available to the bank its common shares on a one-for-one exchange basis for stock of the subsidiary. Holders of the subsidiary's stock may make the exchange for a period of six years after the original purchase.

For each share of stock issued in the exchange, Continental will receive from the bank a cash payment to be determined by application of a formula, which will vary according to the time of the exchange. For each share of the subsidiary's stock that is not exchanged, and for which the holder does not request a refund, the bank will make a similar payment to Continental.

The total amount that Continental stands to receive will depend upon the number of shares sold and the number of refunds made. If all shares are sold at the contemplated price and no refunds are made, Continental could receive as much as \$17,000,000 in addition to the \$3,750,000 paid to the subsidiary, and if all subsidiary shares are exchanged, Continental also would own all of U. S. National Mining Corp. In any event, Continental will

retain at least a one-half interest in this subsidiary.

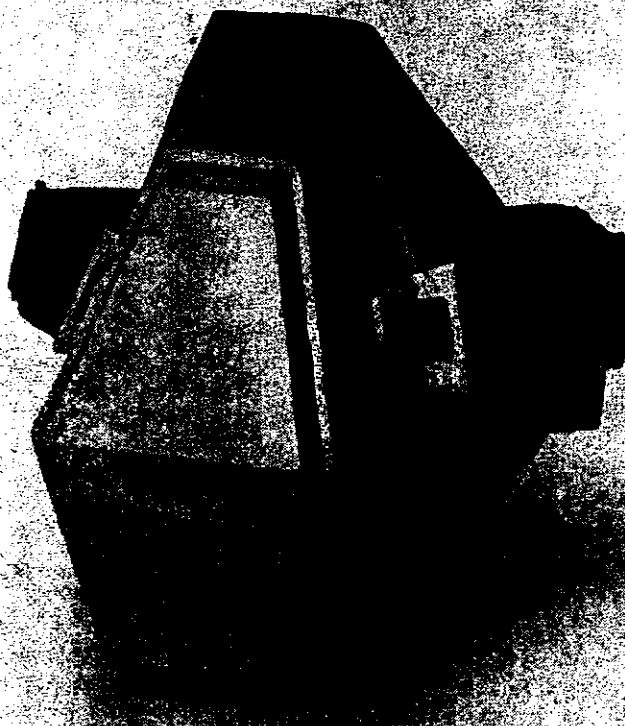
The availability of funds to make the payments, either to Continental or to shareholders requesting refunds, is assured by the guarantee of the bank's parent corporation, a Swiss bank, and is assured further by a reserve fund to be established by the bank with the proceeds from the sale of the exchange and refund

rights and a portion of the proceeds from the sale of the shares.

The stock to be sold will be offered only outside of the U. S. and only to persons who are neither citizens of nor residents of the U. S. The selling period is expected to extend for at least a year. Under the organizational plan, the subsidiary is receiving the Norte copper property in southeastern Arizona, an undeveloped 1200-acre exploration tract on which the management recently has found copper mineralization.

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Pittsburgh, Penna. 15206.



Copy in Norte Copper (file)

Twin Buttes Area To Get New Mine

By JOHN RIDDICK

Continental Materials Corp. of Chicago, today announced that it is developing a new copper mine in the Twin Buttes district 15 miles southwest of Tucson.

Gerald Gidwitz of Chicago, chairman of the board, said the company hopes to begin production in 1966.

He also is chairman of the board of Helene Curtis, the third largest cosmetics concern in the country and an entirely separate corporation.

Continental has put down 36 drill holes and currently is excavating a pumping hole on its property. The land covers a 150-acre area north of the property now being developed by Anaconda.

THE COMPANY said it will begin sinking a shaft soon. Since the ore is between 500 and a 1,000 feet in depth, the mine will be underground.

Continental also said that it has drilled ore reserves amounting to 1,200,000 tons which would mean that the mine probably will be small compared with its large neighbors in the Twin Buttes district.

Gidwitz said that mineralization has been found in two ore zones with copper averaging a grade of 1.08 per cent; zinc, 7.2 per cent; silver, 1.54 per cent, and lead, 0.3 per cent.

The company did not announce its plans concerning the construction of a mill.

Continental manufactures construction materials and paper school supplies. It also owns the

Williams Furnace Co. in California.

Earlier, it successfully mined uranium in Colorado and Utah.

THE BLOCK of claims which Continental has leased for the past year was begun by R. A. Todd and the late Ernest Chilson, both of Tucson.

Persons owning the claims, most of whom live here, are to receive a royalty when Continental begins production.

"Continental has not given us official word as to the extent of the mine," said Darrel Wilson, Tucson attorney and agent for the claims holders as well as one of the owners.

Bear Creek Mining Co., the exploration division of the Kennecott Copper Co., earlier leased the property and put down a number of drill holes as did Pima Mining Co.

Mine Developed

Continental Materials Corp. of Chicago yesterday announced it is developing a copper-zinc mine 15 miles south of Tucson.

The company is headed by Gerald Gidwitz of Chicago, who also is chairman of the board of Helene Curtis, third largest U.S. cosmetics firm. Gidwitz told Continental stockholders:

Drilling indicates an ore body of 1,200,000 tons averaging 7.2 per cent zinc, 1.08 per cent copper, .3 per cent lead and 1.54

ounces of silver per ton.

The ore body ranges from 10 to 50 feet thick and is 500 to 1,000 feet underground.

The company is putting down a 36-inch pumping hole and plans to sink a shaft soon.

He described the property as "midway between the Banner Mining Co., Mineral Hill, Palo Verde and Twin Buttes properties being developed by the Anaconda Co."

WHY LEASE

Mining Company To Build Mill

TUCSON — Continental Materials Corp. of Chicago yesterday announced it will build a million-dollar mill at its mine south of Tucson.

The company two weeks ago announced plans for development of an underground ore body at the mine. A shaft will be drilled, starting in January, said Gerald Gidwitz, chairman of the board.

The mill will handle 500 tons of ore a day.

Core drilling shows zinc, cop-

per and a small amount of silver in the ore body.

Continental Materials Corp. has completed the concrete piers for a headframe and hoist, and is erecting the headframe in preparation for shaft sinking at its **Helmet Peak** project in Pima County, south of Tucson. Also, the building to house the offices and shops has been constructed, this work having been done on contract by Pima Steel Building Co. in December. The steel head frame was purchased from the **Moore** mine at Johnson Camp, then dismantled and hauled to the mine site where it is in process of being painted, assembled and erected. The company plans to sink a three-compartment vertical shaft—15 ft 8 in. by 5 ft—to a depth of 975 ft with two levels for future mine production. The shaft work is to be done by the company's own crew with operations carried out on three shifts daily. Four men—three miners and a hoistman—will be used on each shift. John Roscoe, Tucson, is manager of local operations; Maurice Brady, mine sup't.

Chicago, a diversified holding company, Nov. 14 reported increases in its revenues and net income for the nine months period ending Sept. 30, 1968. Continental has a number of manufacturing divisions as well as a uranium mining unit. Quarterly income included a larger than expected recovery due to the sale of equipment and supplies at its CWT copper mine in Arizona, which had been previously written off.

Net sales for the nine month period were \$11,587,300 as compared with \$10,773,000 for the like period of 1967. Net income per share for the period was 11 cents as compared with 52 cents during the same period last year.

Continental Materials Corp. vice president, C. H. Reynolds, reported that development work at the Twin Buttes property is progressing satisfactorily. All of the surface mine plant construction is completed, and most of the underground equipment has been delivered.

The company is currently excavating two stations at the 800- and 900-ft levels and is installing permanent sumps and slusher trenches. Two 65-ft bottom dump skips with attached man and material cages have just been installed. Excavation of the haulageways on both levels is slated to begin this month.

Design work for the 500-tpd mill is essentially completed, Reynolds said. Construction is to begin soon, with completion and start up scheduled for late in 1966.

ARIZONA

Continental Exploration Co. has sunk its Nevada shaft near Twin Buttes, 1,000 ft and is cutting stations on the levels below 500 ft.

The company is completing its power plant building and expects to begin generation before the end of 1966. The plant will generate 3,400 kw from natural gas engines.

Continental Materials Company, Tucson, Arizona, has completed over 2,500 feet of drifting on the 800 and 900 foot levels from the 1,000-foot CWT shaft, and some raising has been done from both levels. The mill and power plant are scheduled for completion shortly after the first of the year. Ore from present development operations is being stockpiled. John Roscoe, Box 11216 Emery Park Station, Tucson, is company manager.

Arthur G. McKee Company of Los Angeles is designing the concentrator to be constructed by Continental Materials Corporation at its zinc-copper property south of Tucson, Arizona. The plant, with a capacity of 500 tons per day, is expected to cost \$1.5 million. It is estimated that about 60 per cent of the recoverable values in the flotation concentrates will be in zinc, with the remainder in copper, lead and silver. A three-compartment shaft has been sunk to the 1,000-foot level, and crosscuts driven to the ore zones. John Roscoe, Box 11216 Emery Park Station, Tucson, Arizona, is company manager.

Continental Materials Corp.'s mill at its zinc-copper property south of Tucson is being designed by Arthur G. McKee Co. of Los Angeles. The \$1.5-million plant will have a capacity of 500 tpd.

Estimate of recoverable values is 60% in zinc and the remainder in copper, lead and silver. A three-compartment shaft has been sunk to the 1,000-ft level and crosscuts driven to ore zones.

Continental Materials Corp. completed a 1,000-ft shaft and over 2,500 feet of drifting on the 800 and 900-ft levels at its mine in Pima County. The 500-ton-per-day mill and power plant built simultaneously were expected to be completed shortly after the first of this year.

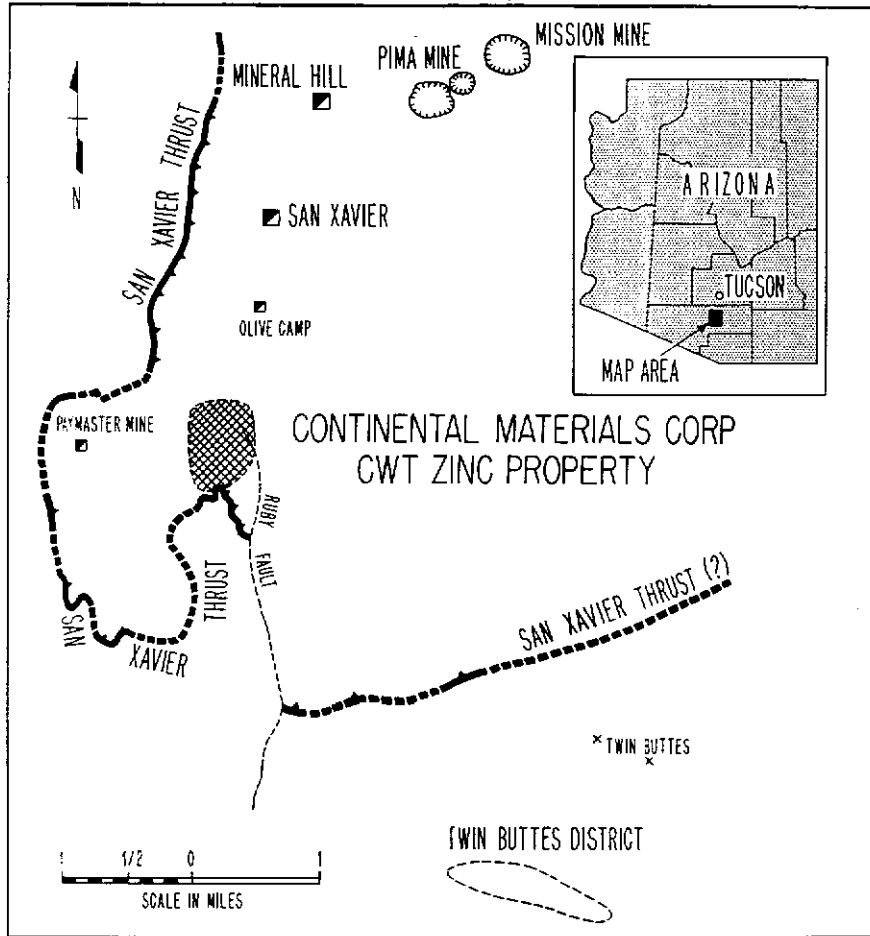
Continental Materials Corp.'s mill at its zinc-copper property south of Tucson is being designed by Arthur G. McKee Co. of Los Angeles. The \$1.5-million plant will have a capacity of 500 tpd.

Wall Street Journal 7/10/67 Continental Materials Says Arizona Oil Find Is Below Prior Estimate

By a WALL STREET JOURNAL Staff Reporter

CHICAGO—The copper and zinc ore body being mined by Continental Materials Corp. near Tucson, Ariz., is "substantially smaller" than originally expected and the company probably won't recover its capital investment in the property, Gerald Gidwitz, president, announced.

The property known as CWT mine, is about 25 miles south of Tucson. A drilling program, begun in 1964, indicated a sizable ore body, Mr. Gidwitz said. However, he noted that mining operations now being conducted through a 1,000-foot shaft indicate that ore supplies are below original estimates.



Continental Plans New Arizona Zinc Mine

A NEW ZINC-COPPER MINE has been scheduled for immediate development and underground production in 1966 by Continental Materials Corp., in Arizona's fast-growing San Xavier mining district 15 miles south of Tucson. Continental's exploration subsidiary has already surface-drilled reserves of 1,208,000 tons of 7.2% Zn, 1.08% Cu, 0.3% Pb and 1.54 oz Ag per ton in 36 holes ranging from 500 to 1000 ft in depth.

A 36-in. pump hole is now being driven to control water inflow during shaft sinking operations which may get underway next month. Initial shaft depth will be 700 ft and it will permit examination of two major zones.

Continental will probably aim for production of 500 to 1000 tpd if underground development confirms surface drill results. Mineralization occurs at a depth of 500 to 1000 ft generally along the contact between overlying Cretaceous arkose and underlying Paleozoic limestone. The ore lies in the upper plate of the San Xavier thrust fault and is itself broken by intensive thrust faulting.

All ore indicated to date is of contact metamorphic or pyrometamorphic nature containing sphalerite, chalcopryrite, and lesser amounts of galena in skarn. It ranges from 10 to 50 ft in thickness in a series of flat-lying lenses that appear to lend themselves particularly well to low-cost mining.

gained from drill intercepts so that none of it can be considered proved or measured in the usual mining sense. Based on this incomplete information, initial planning for production includes room-and-pillar mining with trackless equipment and an under-the-ore gathering system for output.

Development is taking place on Section 23 in T 17 S and R 12 E of Pima County. This is three miles south of the old San Xavier Mine and midway between Banner Mining Co.'s Mineral Hill and Daisy shafts on the north and its Twin Buttes property on the south, all of which are currently being evaluated by the Anaconda Co. for a major copper mining project. The area south of Tucson has been the scene of three major copper open-pit developments in recent years (Pima Mining Co.—8000 tpd, American Smelting and Refining Co.—15,000 tpd, and Duval Corp.—12,000 tpd).

A preliminary engineering and geologic report states that mineralization is found in two zones. Both zones have about the same percentage of zinc, but the upper one is higher in copper and lower in lead than the lower zone. Ultimate limits and detailed shape of orebodies have not been determined, but sufficient drilling has been done to indicate a minimum acceptable tonnage.

Continental Materials Corp. is making plans for construction of a milling plant next summer at its **Helmet Peak** property in the Twin Buttes area, southwest of Tucson. The plant probably will be designed to handle 500 tons of ore daily, and is expected to be producing copper and zinc concentrates by 1966. The announcement, made by Gerald Gidwitz of Chicago and Scottsdale, also stated that shaft sinking will start immediately after the first of the year. The ore body, said to lie at a depth of 500 to 1,000 ft. below the surface, has been extensively diamond drilled and plans call for mining by underground methods. Herbert Reynolds, 334 West Valencia Road, Tucson, is general manager.

Continental Materials Corp., depending on confirmation of mineralogical, surface findings in depth, will build a concentrator for processing 500 to 1,000 tpd zinc ore in the San Xavier district near Tucson, Ariz. Favorable results indicate production in 1966, from deposit reported to contain 1.21-million tons 7.27% of Zn, 1.08% of Cu, 0.3% of Pb, and 1.54 oz of Ag.

Mining Engineering 2/1965 John G. Roscoe

has been named manager of Continental Exploration, Inc., a subsidiary of Continental Materials Corp. which is opening an underground copper-zinc mine in the Twin Buttes area. Formerly superintendent of mines for Continental Materials in Grand Junction, Colo., Mr. Roscoe is now established at his new residence in Tucson, Ariz.

Continental Materials Corp. is now developing a new zinc-copper mine in Arizona's San Xavier district and will have it in production next year. During October, Continental's exploration subsidiary has already surface-drilled reserves of 1.21-million tons of 7.2% Zn, 1.08% Cu, 0.3% Pb and 1.54 oz Ag per ton. Continental will probably aim for production of 500 to 1000 tpd if underground development confirms surface drill tests.

work on the CWT property is being done by Continental Exploration Inc., a wholly owned subsidiary of Continental Materials Corp. headquartered in Chicago, Ill. Continental took a royalty lease and option on a group of claims, totaling about 9 sq miles, held by Tucson attorney Darrell C. Wilson; his sister, R. A. Todd; and the estate of the late Daniel Chilson; plus a few other small holdings, in order to put the CWT property together.

Continental Materials mined uranium in Colorado and Utah after the Korean War. It now manufactures construction materials and paper school supplies. It owns Williams Furnace Co., in California. Gerald Gidwitz is chairman of the board of Continental Materials. The Arizona project will be under the direction of John Roscoe and Maurice Brady.

10-20-64

SECTION 8 — PAGE ONE

New Ore Mine Planned Near Twin Buttes

Test Holes Indicate Minerals

The development of a new copper and zinc mine in the Twin Buttes district southwest of Tucson will be undertaken by Continental Materials Corp., of Chicago, it was learned yesterday.

The area involved covers about nine square miles and is just north of mining property now being developed by Anaconda.

Tucson Atty. Darrel C. Wilson said that he and his sister and R. A. Todd and the estate of the late Daniel Chilson are the basic owners of the claims and are leasing to Continental. He is acting as agent for all interests in the claims.

Two other mining companies, Bear Creek Mining, the exploration division for Kennecott Copper Co., and Pima Mining Co. have previously leased the property and put down test holes.

Wilson acknowledged that Continental has drilled 36 test holes and found mineral in two ore zones with copper averaging a grade of 1.08 per cent and zinc, 7.2. There are smaller amounts of silver and lead.

Wilson said that the combination of copper and zinc is unusual in this part of the country. He praised Continental for the undertaking and added, "we have had trouble getting people interested because of the complex nature of the mineral deposits."

He said that the mine will be underground as opposed to near-by pit operations, but pointed out that Continental has released no official word on the extent of the mine.

The Continental mine will probably be drilled to between five and seven hundred feet, local mining experts agree. Previous drilling of the same property by the Bear Creek and Pima companies was halted because the mine was felt to be too small for economical operation.

Arizona copper assumes greater importance since the copper mining situation in Chile has been precarious for some time, due to a political situation of great fluidity. The threat of confiscation by the Chilean government is always present, and there is continued uncertainty of the amount of taxes that might be assessed the mine owners.

According to Dr. Willard Lacy, mining and geological engineering department head at the University of Arizona, the Twin Buttes area promises to develop into one of the nation's largest mining districts.

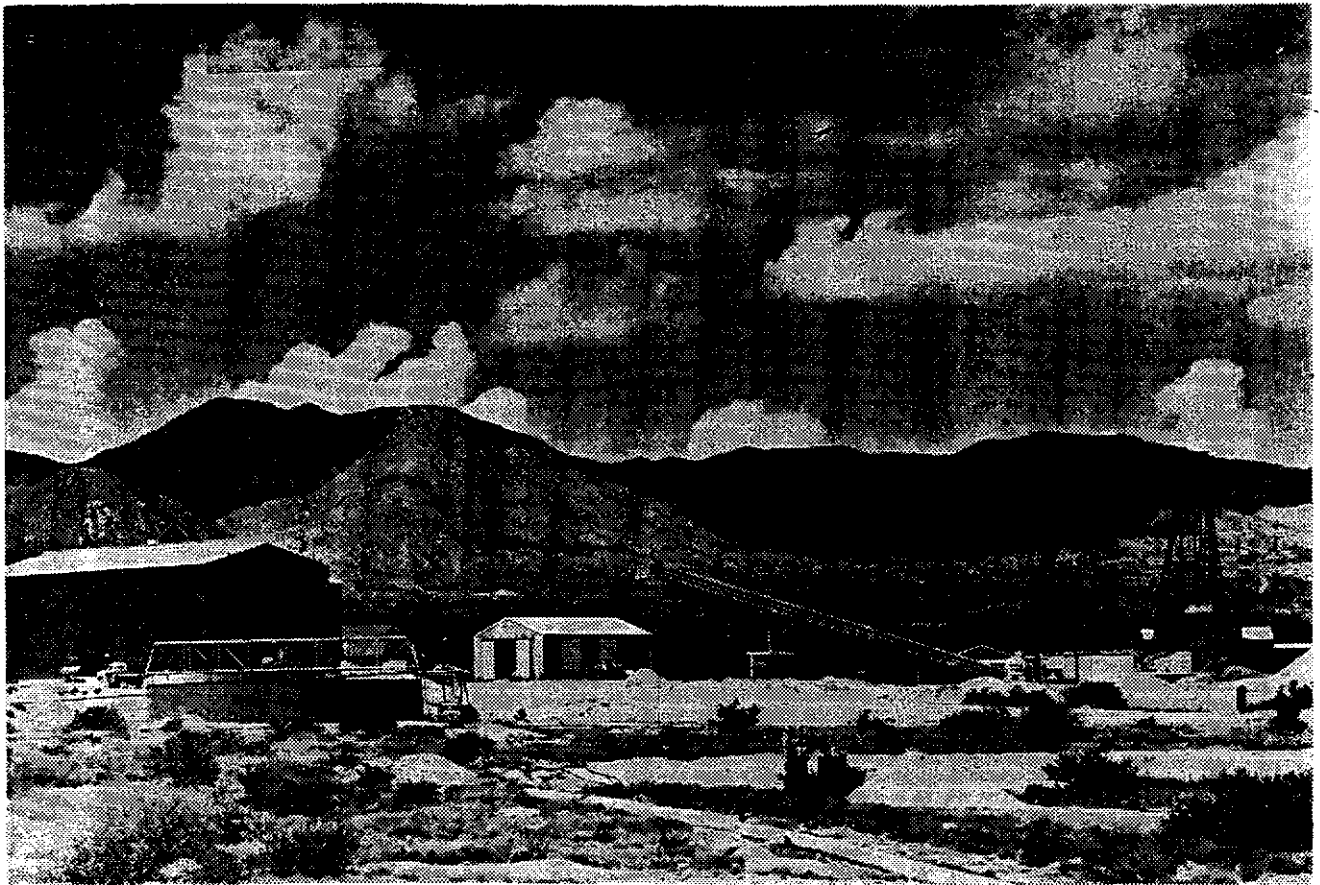
"There is no question," Dr. Lacy said, "that there are many undiscovered copper deposits in the state of Arizona, based upon the steadily rising rate of discoveries in the past ten years."

In 1963, for the third straight year, Arizona produced more than half of the copper mined in the United States. Arizona maintained this position in spite of substantial production increases in Soviet Russia. Pima County alone produced 185,000 tons, worth \$116 million dollars.

The large number of mining companies located in and around Tucson continue to press explorations for promising leads to new copper deposits.

A combination of clues suggesting copper, such as strong breaks in the crust of the earth, alteration of rock formations, and the presence of intrusive (volcanic origin) rocks, are among the deposit-indications sought in copper explorations.

See p. 129, 128
Continental Materials Corp. rushes development of promising zinc-copper ore-body in fast-growing San Xavier district of southern Arizona with shaft-sinking aimed for December and production by 1966 (see p 122). . . . Rising metal prices spur interest in revival of lead-zinc mining in southwest Wisconsin. Numerous small mines are reopening and major company prospecting is underway (see p 125). . . . Colorado Fuel & Iron Corp. is planning development of mixed grade iron ore deposits on Fort Apache Indian Reservation in east-central Arizona (see p 129).

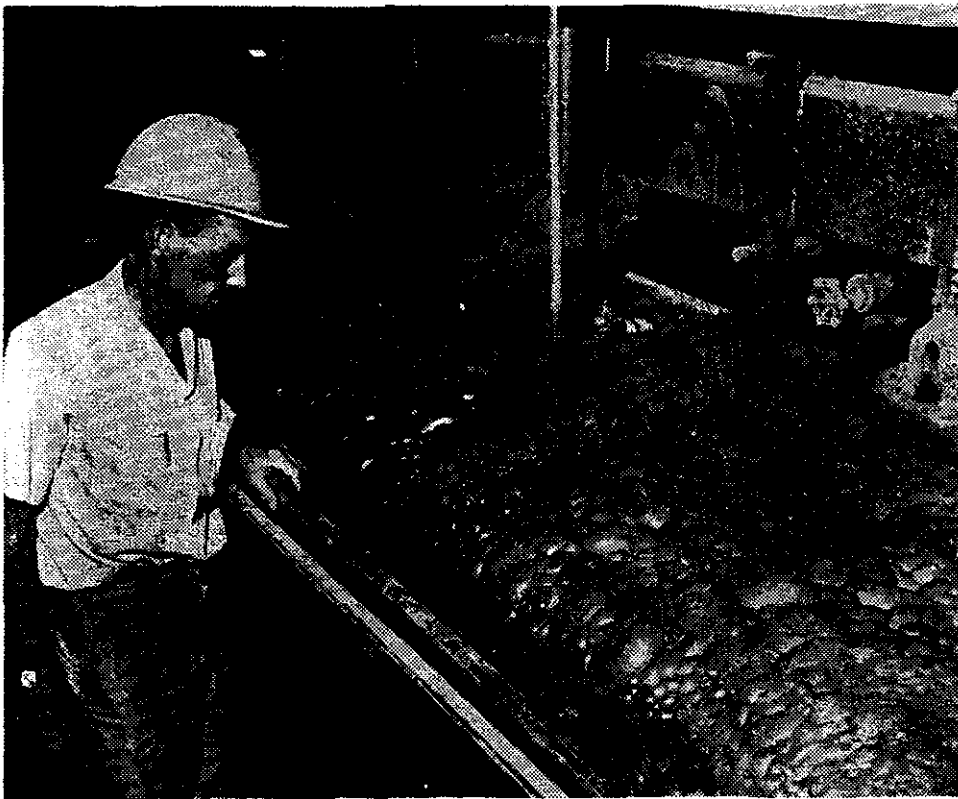


CWT Mine Near Tucson

The CWT zinc-copper underground mine is beneath the Sierrita Mountains in the Twin Buttes district.

The mill is at left and the headframe for the shaft is right. (Citizen Photos)

Hopes Fade As Production Starts At CWT Mine In Twin Buttes Area



Zinc Bubbling In Mill

John G. Roscoe, superintendent of the CWT mine, watches zinc recovered in flotation cell at the mill.

John G. Roscoe, CWT superintendent, said the company began discovering early this summer that its ore body had more rock and less ore between the drill holes than hoped. Tunnels are being cut from the shaft at the 800-and 900-foot levels.

"This is nothing new in mining," said Roscoe. "There are simply more gaps in the ore than expected by the geologists."

Continental has set down as a small company among the giants in the Twin Buttes district, the most intensely mined new copper area in North America. The underground mine is three miles from Anaconda's open pit and six miles from Pima and Mission.

"We are in the same general geological environment as they are but there are somewhat different details," said Roscoe.

By JOHN RIDDICK
Citizen Staff Writer

Continental Materials Corp. has begun production at its CWT zinc-copper mine near here but in some discouragement over the possibility of making money out of the project.

Gerald Gidwitz of Chicago, Continental president, recently announced that the ore body was "substantially smaller" than expected. He said the company probably would not recover its \$4 million investment.

The mill, built during the last year, began extracting copper, zinc, lead and silver in May, and now is operating at a rate of 300 tons of ore a day. The ore is being mined from a 1,000-foot deep shaft developed during the last two years.

Continental originally estimated its ore body at 1.2 million tons. The ore grades have proved to be near the pre-production calculations of 7.2 per cent zinc, 1.08, copper; 1.54, silver; and 0.3, lead.

Sidney Gunther of Chicago, legal counsel, said: "We presently have no intention of closing the mine down."

Roscoe said: "I'm not clairvoyant. But there's always a possibility that we will run into something encouraging ahead of us."

CWT has 50 employees working on two shifts. The mill was designed to handle 500 tons of ore a day on three shifts but production was cut back to 300 partly because the water yielded from the mine is less than anticipated.

Continental Materials, a publicly owned concern, was founded in 1954 by Gidwitz, who is also chairman of the board of Helene Curtis, third largest cosmetics manufacturer and a separate firm.

Aside from the CWT, the company is operating two uranium mines in Wyoming. It has successfully run other such

mines over much of the West.

Roscoe is a University of Nevada graduate in mining engineering and has been superintendent of Continental mines in four states since 1956.

Many of the CWT employees have moved here from other Continental mines to the north. Some have come from adjoining open pit mines because they like to work underground.

"You feel closer to other em-

ployes in a small company like this," said George Duffy, a seven-year Continental employee and mill forman. "You don't feel so far down the line."

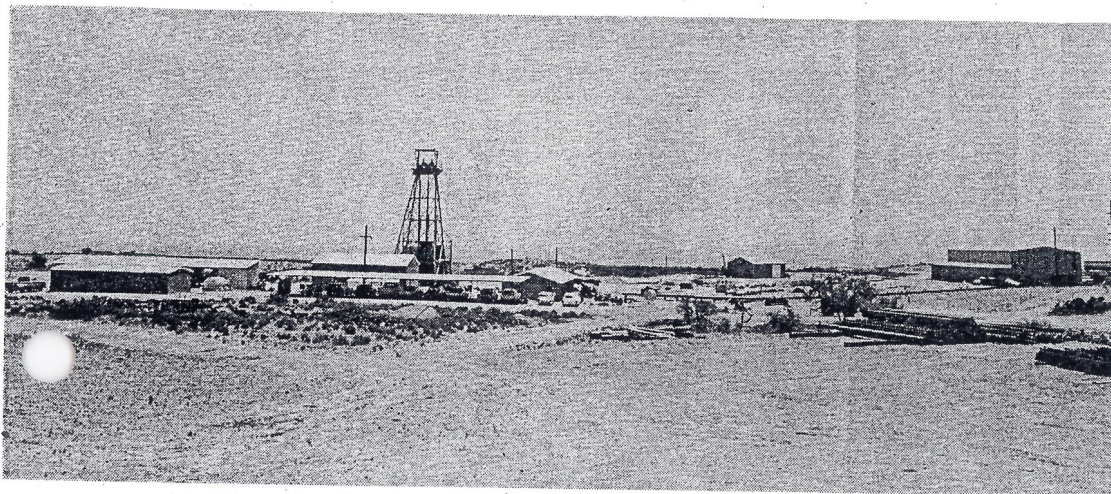
Continental has had good fortune with the copper price, which now is at a profitable 38 cents a pound. But the price of zinc, which makes up the greater amount of its ore, has weakened somewhat to 13½ cents."

The CWT employees are non-

union. Copper concentrates are being stockpiled during the copper industry strike while the zinc concentrates are shipped to Oklahoma.

The block of claims composing the CWT originally were put together by R. A. Todd and the late Daniel Chilson, both of Tucson. Bear Creek Mining Co., the Kennecott exploration division, drilled the property before it was leased to Continental.

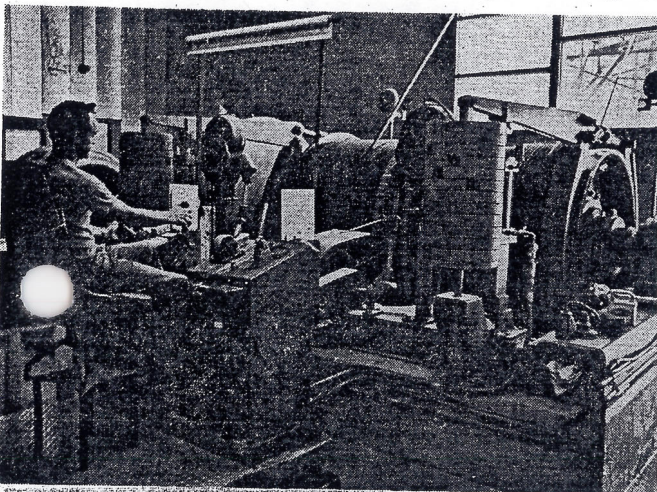
Continental Plans Bold Expansion Bid



Continental's New CWT Mining Property

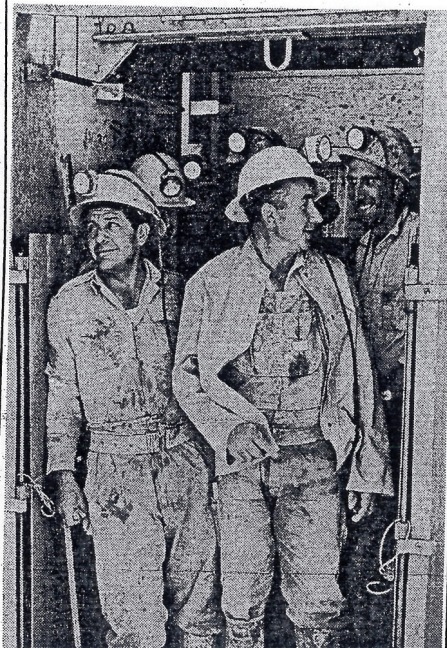
The head frame rises above a 1,000-foot shaft and a complex of buildings at the CWT mine, 25 miles south of Tucson.

—Citizen Photos By Dan Tortorelli



Hoist Operator

Edwin Hobbs operates controls at the lift console which hoists the elevator out of the 1,000-foot shaft.



Mine To Start Work On New Mill

By JOHN RIDDICK
Citizen Staff Writer

The Continental Exploration Co. will begin building a concentrating mill in the Twin Buttes area next month to handle 500 tons of zinc and copper ore a day.

In contrast with the huge open pit copper mines nearby, Continental is relatively small and works underground. It has sunk a shaft 1,000 feet deep from which it is opening up working room and built several auxiliary structures.

"The mill will take the rest of the year to build and will cost in excess of \$1.5 million," said John G. Roscoe, the manager.

"WE HAVE 32 employees now and expect to require 70 to 80 to operate both the mine and mill when we begin production early next year."

Arthur G. McKee Co. of Los Angeles is designing the mill but no contractor has yet been selected for the construction, which should call for the hiring of about 100 men, said Roscoe.

The new CWT property, as it is called, is remarkable in showing that there is a dimming but still open spot in the mining world for independents.

CWT STANDS for Chilson, Wilson and Todd. The property was originally discovered by the late Dan Chilson who lived in the Twin Buttes area before the mining boom of the last decade and also had a hand in finding American Smelting & Refining Co.'s ore.

He conceived the idea of putting together a large block of claims with Darrell Wilson, Tucson attorney; Wilson's sister, Mrs. Alice Kilroy, and Russell A. Todd, Tucson builder turned prospector.

Bear Creek, the exploration division of Kennecott, took a crack at the property in 1960 and 1961 with an option and a drilling program led by the late Jackson Clark before deciding it wasn't interested. Then Pima Mining Co. had it for six months.

Continental entered the picture two years ago, figured there was moneymaking potential and took a lease on the claims.

The company was organized a decade ago to ride the uranium boom. And it still operates five uranium mines from its headquarters in Grand Junction, Colo. Under the parent name of Continental Materials, it has branched into furnace, concrete and paper manufacturing.

zinc mine, now out of operation, is a short distance down the road towards Tucson.

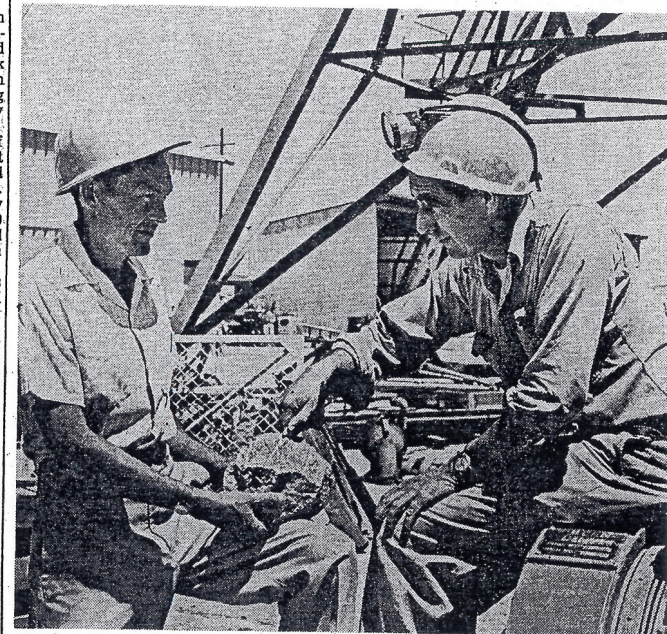
After drilling 36 holes, Continental outlined 1.2 million tons of ore reserves which it estimates average 1.08 per cent

copper, 7.2, zinc; 1.54, silver, and 0.3, lead.

"I think we'll be in operation for seven to ten years and I would not be in the mining business if I weren't optimistic enough to think we might

get bigger," said Roscoe.

Looking at it the same way, Wilson who acts as agent for the nearly 20 persons who own the claims and will share in the royalties, said, "A pessimist doesn't belong in mining."



The Bosses

John G. Roscoe (left) manager for Continental Exploration Co., discusses a problem with Maurice Brady, mine superintendent, at the foot of the headframe of the mine at Twin Buttes.

Opening Doors To New Mines

The company was organized a decade ago to ride the uranium boom. And it still operates five uranium mines from its headquarters in Grand Junction, Colo. Under the parent name of Continental Materials, it has branched into furnace, concrete and paper manufacturing.

George Galtz, chairman of the board, also is chairman of the large concrete concern. "There are not many mining companies left," said Roscoe, a 10 year veteran of uranium mining, during which he operated several mines for Continental. "You've got to have higher grade ore to make it. The easy ones have been found. And the ore bodies that suit the size of the small companies are getting scarcer. The easy ones have been found." While it is dipping into the same general deposit of ore that is tapped by its large neighbors, Continental is different in that it will make more money on zinc than on copper. "You can still make money on zinc if you have high enough grade," said Roscoe. "About 60 per cent of our dollar volume will come from zinc, 30 per cent from copper and the rest from lead and silver." The old Eagle Picher lead and

CWT MINE

PIMA

Active Mine List April 1967 - 60 men
Active Mine List October 1967 - 42 men

Continental shut down at the first of the month. Now looking at the Strong and Harris property (Burro claim, Cochise Co.) GWI Note 12/14/67

Active Mine List April 1968 - 4 men

The shut down of the Continental Materials Company CWT shaft due to a lack of ore reserves. GWI Annual Report 7/68

Active Mine List Oct. 1968 - 4 men

The mill at the CWT shaft of Continental Materials was sold to Magnum Consolidated Mining of Mohave County to be installed at the McCracken Mine. After all of the underground equipment and the headframe was removed, the collar of the CWT shaft was covered with a large slab of concrete that was pushed into place with a dozer and loader. GWI QR 12/68

MG WR 9/20/85: At the CWT mine (Pima Co) the surface and mineral estates are severed. The surface belongs to the State and the mineral rights are controlled by the Federal government.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA FIELD ENGINEERS REPORT

Mine CWT

Date June 14, 1967

District Pima

Engineer G. W. Irvin

Subject: Mine visit by engineer

Information from mine manager, John Roscoe.

Mine - is now producing about 400 tpd from development, no stoping operations. The ore is a zinc, copper, lead sulfide. One cross cut in the upper level is producing zinc sulfide, from an oxide iron area on top of the limestone. This ore requires separate treatment from the rest. The ore is running higher in lead and lower in copper than the drill holes indicate.

Ore and waste from the mine are dumped on the ground by the skip hoist. Waste is loaded in trucks by a loader for hauling to the dump. The ore is transported to the primary crusher, by the loader.

Mill - At the present time two flotation circuits are employed, a copper and a zinc circuit. The copper and lead are shipped as one product to El Paso, where Asarco smelts it as copper or lead so as to give Continental the best return. Continental is planning on the installation of another flotation circuit, to separate the lead from the copper.

The concentrates are loaded into trucks by the same front end loader that handles the mine run ore and waste. Water for milling is obtained from the mine.

Power - Three Cooper Bessemer gas burning diesels furnish the power. Natural gas is piped to the operation from Tucson. It is claimed that power costs are approximately equal to Trico power. It is expected that costs will go down, for present power demand is at the maximum or over for one engine, so two are loafing on the job.

Comment - This is a good looking, well constructed plant. The use of a loader to handle the muck from the mine to the primary crusher, and also for waste, is due to the high angle of repose and stickiness of the muck when damp, or wet. A light shower will have muck sticking to the underside of the mill conveyor belts.

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DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

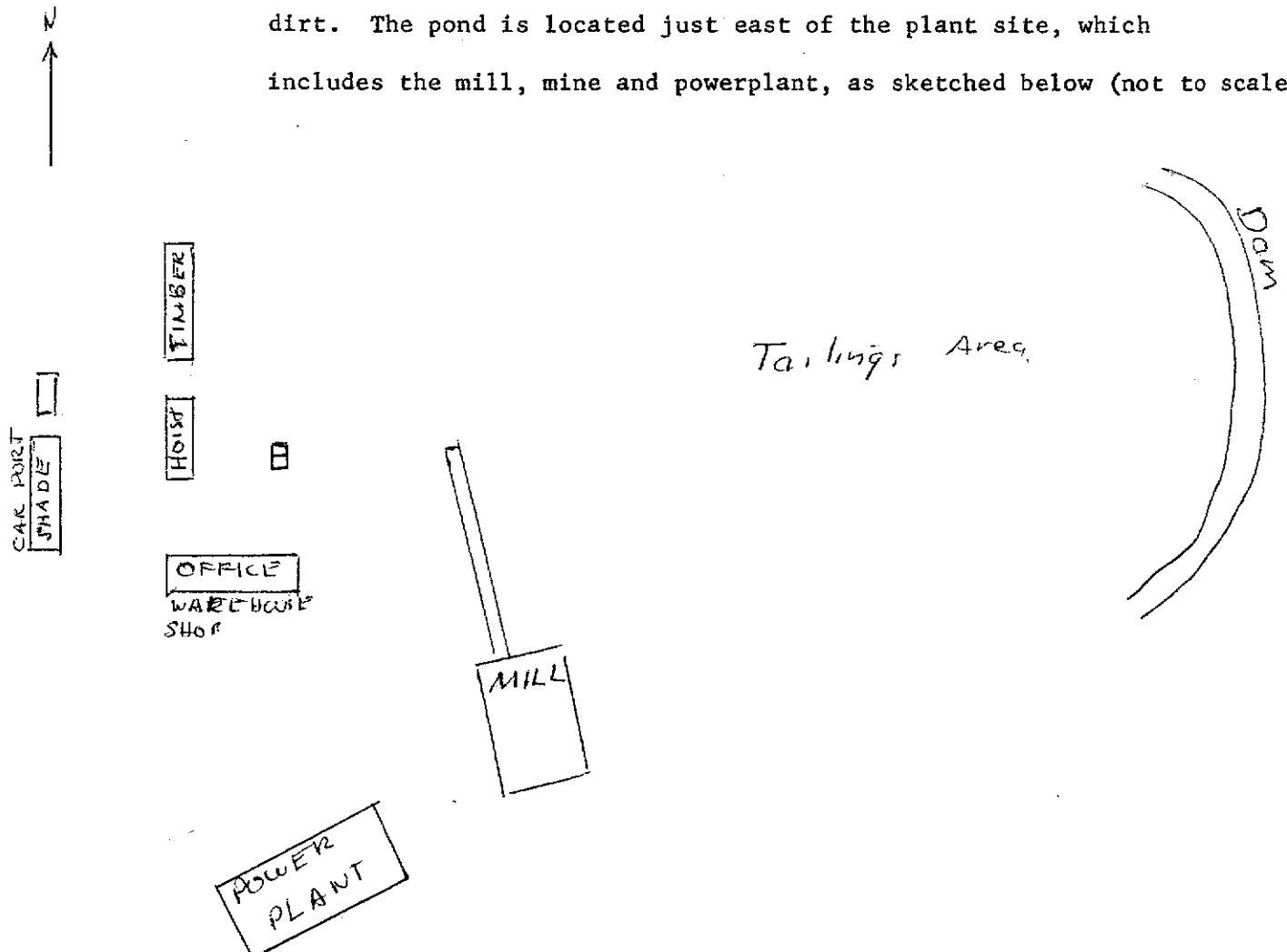
Mine C W T Shaft of Continental Materials Company Date November 18, 1966
District Pima Engineer G. W. Irvin
Subject: Report on Mine activity. Personal visit by engineer.

REFERENCES See previous reports.

Mr. Roscoe the manager was not at the mine.
Mr. Brady the mine supt. was underground.

Mill and poerplant construction appears to be progressing nicely.

Talked with Mr. Elmer McVey of the Sahuarita Mining & Ranching Company. At present they are engaged in a contract to build a dam for the tailings pond. This dam is being made of mine waste, and dirt. The pond is located just east of the plant site, which includes the mill, mine and powerplant, as sketched below (not to scale)



DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine CWT Shaft of the Continental Materials Co. Date Friday September 30, 1966
District Pima Engineer G. W. Irvin
Subject: Mine visit by Field Engineer. Interview with John Roscoe, Manager.

REFERENCES - See previous reports.

PRESENT OPERATIONS - 2500' of drifting has been completed on the 800 and 900 foot levels from the 1000' CWT Shaft. A little raising from these two levels has been done also.

NEW CONSTRUCTION - The Cooper Bessemer engines (3) of about 1000 KW each were purchased from the Arizona Portland Cement Co. They have been installed in a new Butler type building. However the work has not been completed.

About 95% of the concrete for the New 500 miles has been poured. The mill and power plant should be completed sometime in January 1967.

ORE - The heads are supposed to run as follows.
 Zinc----- 7 to 8%
 Copper---- 1%
 Lead----- $\frac{1}{2}$ %
 Silver---- ounce.
 Gold----- none
 Cadmium Small amount.

The ore from present development operations is being stock-piled.

So far the ore is considered a contact metamorphic deposit.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine CWT Shaft Continental Materials Co. Date June 2, 1966
District PIMA- Pima County Engineer G. W. Irvin
Subject: Mine visit and interview with John Roscoe, Manager.

Underground operations: The lower or 900 level station has been completed. Work on the 800 level station is progressing satisfactorily, and should be completed in the near future.

(Note; The Company has a drill hole model in the engineering office, that the Field Engineer has not had the opportunity to examine)

New Construction: The power plant building is about completed, but is now being held in abeyance while design work on the 500 ton mill progresses.

DEPARTMENT OF MINERAL RESOURCES

FIELD ENGINEERS REPORT

Mine

CWT

Date _____

NOVEMBER 26, 1965

District

PIMA

Engineer

G.W. IRVIN

Subject:

FIELD ENGINEERS REPORT information from John Roscoe, Manager for Continental Ex.

REFERENCES

See previous reports.

LOCATION

SW of HELMET PEAK- Approximately in section# 23 T17S; R12E.

OWNERS

C. D. Wilson, Russell A. Todd, and the Dan Chilson Estate.

OPERATED BY

CONTINENTAL EXPLORATION P. O. BOX 11216 Emery Park Stateion, Tucson.

The main shaft is now down 1001', stations are being cut on the 785 and 915 levels, below the collar of the shaft. The main haulage drifts will run north from the stations. The shaft is now making considerable water.

Steel sets have been used in the three compartment shaft. About 65% of the shaft has been concreted. The wood lagging is left in place and the concrete is poured into forms so that it covers the steel sets and the wood lagging. The concrete does extend from the 760' level to the bottom. The Arkose section hasn't given to much trouble yet, but the fanglomerate between the Arkose and limestone has.

At the present time the mine is connected with Trico Electric, but are installing 3 Cooper Bessmer dual fuel engines, a natural gas line is being run to the mine by the Tucson Gas & Electric Co. The three engines are each of 1150 KW. The power plant is now being constructed.

A 500 ton mill is being designed. This is to be located at the site. It will have a zinc ~~##~~ copper flotation circuit. A lead circuit may be added, depending on the amount of lead developed in the ore reserves.

A specimen of ore picked up in the shaft sinking ran 17%Zn, 0.1 Pb, 1½oz Ag & .02Cu.

Mine Visit to Continentals CWT shaft, interviewed the general manager. Mr. Roscoe reported that the two underground shaft stations were about half finished, and that two large sumps had been completed.

GWI WR 1/17/66

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine C W T Mine (Nevada Shaft) Date May 12, 1965
District Pima (Twin Buttes) District, Pima Co. Engineer Axel L. Johnson
Subject: Mine Visit. Information from John G. Roscoe, Manager

References: Report of March 10, 1965

Present Activity Shaft sinking, with 20 men working, and operations on a 3 shift basis.

Review of Operations The shaft is now down to a depth of 128 ft. A Cryderman mucking machine is used in connection with the shaft sinking operations. 4 men are working on each shaft crew, or 12 men total for the 3 shifts.

Steel shaft sets are used, which are cut to size and welded, prior to being lowered down for installation in the shaft. Wooden lagging, consisting of 2" fir planks, are used in the shaft.

Additional This is also called the Nevada ~~shaft~~ Shaft.

The local company is called Continental Exploration ~~for~~ Inc.

Local address:- P. O. Box 11216, Emery Park Station, Tucson, Ariz.

Continental Mining has 31 Total employees.

16 in Shaft

15 - Surface, supervisory including manager.

Shaft as of August 26th down 670 feet with the 655 to 670 being concreted.

The first 456' below the collar is also concreted.

Mill still in the design stage. Sign on road says, Cont. Expl Inc.

C.W.T. Unit, Nevada Shaft. Shaft to be sunk to 1050'.

Note from G. W. Irvin, August 23, 1965

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine C W T Mine

Date March 10, 1965

District Pima (Twin Buttes) District, Pima Co.

Engineer Axel L. Johnson

Subject: Mine Visit. Information from Maurice Beady.

References: Report of Feb. 10, 1965.

Present Mining Activity: Shaft sinking, with 10 men working one shift.

Review of Recent Operations: The shaft is now down to a depth of about 15 ft. and is in rather loose overburden. Forms are placed around the outer edges of the shaft and concrete is poured on the outside of the forms. Ready mix concrete from Tucson Sand and Soil is used, the concrete being a 6 sack pea gravel mix.

The present one shift operation will be continued through the 40 ft. of overburden until the rock is encountered. Then a Cryderman mucking machine will be installed and the work will be carried on using 3 shifts, using a total of 15 to 18 men. It is expected that this will start shortly after April 1st.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine C W T Mine

Date Feb. 10, 1965

District Pima (Twin Buttes) District, Pima Co.

Engineer Axel L. Johnson

Subject: Mine Visit. Information from John Roscoe

References Report of Jan. 13, 1965

Owners C. Darrell Wilson, Russell A. Todd, and Chilson Estate

Lessees & Operators

Continental Materials Corp., 820 Ninth St. South, Grand Junction, Colo.
C. H. Reynolds, General Manager
Local address --- P. O. Box 11216, Emery Park Station, Tucson, Arizona.
C. H. Reynolds, Gen. Manager
John Roscoe, Manager of local operations
Maurice Brady, Mine Superintendent

Number of Claims Approximately 250 claims

Principal Minerals Zinc and copper, with smaller amounts of lead and silver.

Present Activity Installing mine hoist, air compressor and other equipment. 10 men working -- day shift only. Shaft sinking expected to start next week.

Ore Values See report of Jan. 13, 1965

Milling & Marketing See report of Jan. 13, 1965.

Review of Recent Operations

Since last report of Jan. 13, 1965, the following work has been done:

- (1) Finished office, warehouse & shops building, which was started on contract to Pima Steel Building Co.
- (2) Finished erection of steel head frame.
- (3) Obtained and started installation of electric hoist. This hoist is a Vulcan -- 250 H. P. Electric Hoist, manufactured by Vulcan-Denver Corporation.

Proposed Plans

Company expects to start shaft sinking next week. The first 40 ft. will be done by hand, working one shift only. After this is finished a Cryderman mucking machine will be used, and the operations will be carried on using 3 shifts, with 4 men (3 miners and a hoistman on each shift. Company is not contracting the shaft sinking out, but will do it with their own pay roll.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine CWT Mine Date Jan. 13, 1965
(formerly Helmet Peak Exploration-WCT Lease)
District Pima (Twin Buttes) District, Pima Co. Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from John Roscoe.

References: Reports of Sept. 9, 1964 & July 7, 1964.

Location: See report of July 7, 1964. The shaft, mine plant, and office is located on Sec. 23 - T. 17 S. - R. 12 E. To reach same, drive on the Twin Buttes road a distance of 3.2 miles from the old San Xavier mine shaft, turn right (west) and drive 1.6 miles to the mine.

Owners: C. Darell Wilson, Russell A. Todd, and Chilson Estate.

Lessees & Operators: Continental Materials Corp., 820 Ninth St., South, Grand Junction, Colo.
C. H. Reynolds, General Manager
Local address - 334 W. Valencia Road, Tucson
John Roscoe, Manager of local operations
Maurice Brady, Mine Superintendent

Number of Claims: Approximately 250 claims.

Principal Minerals: Zinc and copper, with smaller amounts of lead & silver.

Present Activity: Erecting a head frame in preparation for shaft sinking. 7 men working, day shift only.

Ore Values: Approx. as follows: -

Zinc	8 to 9%
Copper	1.25 to 1.40%
Lead	0.50%
Silver	0.75 to 1.25 oz.

Milling & Marketing: A mill will be constructed for milling the ore. Preliminary laboratory work has been done towards determining the flow sheet and mill design to use in the mill construction. The construction of the mill will be done on contract to a company specializing in mill construction.

Review of Recent Operations:

(1) A 36" dia. hole 850 ft. deep was drilled on contract to Technical Drilling Services, and cased all the way with 30" casing. This hole was started in October and finished in November.

The hole was drilled for the purpose of providing mine ventilation for the future underground workings. It is also expected that it will, to some extent, drain the area in the vicinity of the shaft, thus facilitating shaft sinking operations.

(2) A building to house the offices and shops was constructed on contract to Pima Steel Building Co. This was done in December.

(3) Concrete piers were set for the head frame and hoist in December.

(4) The steel head frame from the Moore Mine at Johnson Camp was purchased, dismantled, and hauled over to the mine site in December. This is now in the process of being painted, assembled & erected.

Proposed Plans: Shaft sinking operations will be started as soon as the head frame is erected.

The shaft will be a 15'-8" x 5'-0", 3 compartment vertical shaft. It will be sunk

CWT MINE (continued)
(formerly Helmet Peak Exploration-WCT Lease)

1-13-65
Page 2

to a depth of 975 ft., will have 2 levels and will be used for future mine production.

The shaft sinking will not be contracted out, but will be done by the company's own payroll.

The shaft sinking operations will be carried out on 3 shifts - with 4 men (3 miners and a hoistman) on each shift. A Cryder mucking machine will be used.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Helmet Peak Exploration - WCT Lease Date Sept. 9, 1964
District Pima (Twin Buttes) District, Pima Co. Engineer Axel L. Johnson
Subject: Field Engineers Report. Information from John Roscoe.

References Report of July 7, 1964

Location See report of July 7, 1964

Owners See report of July 7, 1964

Option to Continental Exploration Co., exploring for Continental Materials Corp.,
820 Ninth St., South, Grand Junction, Colo. Inc.,
Local address ---- Continental Exploration Co., 334 W. Valencia Road, Tucson.
Tel. 294-4951
Herbert Reynolds, Gen. Manager of local operations.
John Roscoe, Engineer, 5141 E. Ninth St., Tucson --- Tel. 326-8565

Number of Claims About 250 claims, optioned from the 3 owners as shown above.

Principal Minerals Zinc and Copper, with small amounts of lead and silver.

Present Activity None at present. Diamond drilling just completed, and the results
of the drilling are being evaluated, and plans being made for future operations.

Geology & Mineralization Mr. Roscoe reports a fairly flat ore body, about 17 to
20 ft. in thickness, with a general slope to the south. Ore body is covered by from
500 to 750 ft. of overburden. On account of the relatively shallow ore body and the
depth of the overburden, it would have to be mined by underground methods.

Ore Values The following averages were reported by Mr. Roscoe, as being approximate
figures: Zinc -- 8 to 9 %; Copper -- 1.25 to 1.40 %; Lead 0.50 %;
Silver -- 0.75 to 1.25 oz.

Ore in Sight Not reported.

Milling & Marketing A mill to treat the ore will be required.

Past History See report of July 7, 1964

Review of Recent Operations Diamond drilling has just been completed by Boyles Bros.,
25 holes being drilled by Continental. This is in addition to drill holes that were
drilled by the previous lessees.

Proposed Plans The company is considering sinking a shaft. This will be a production
shaft to be used for future mine production.

Additional Company has requested that there will be no publication, as yet, as their
plans are not yet definite.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Helmet Peak Exploration -WCT Lease Date July 7, 1964
District Pima (Twin Buttes) District, Pima Co. Engineer Axel L. Johnson
Subject: Field Engineers Report. Information from Russell A. Todd.

References Report of Pima Mines of May 13, 1963, under "Exploration".

Location Southwest of Helmet Peak and north of Ruby Star Ranch. Approx. Sec. 23 --
T 17 S -- R 12 E. (Secs 13, 14, 15, 21, 22, 23, 24, 27 & 34 -- T 17 S -- R 12 E.)

Owners C. Darell Wilson, Russell A. Todd, and Chilson Estate.

Option to Continental Exploration Co. exploring for Continental Materials Corp.,
820 Ninth St. South, Grand Junction, Colo.

Board Chairman --- Gerald Gidwitz

President -- Willard Gidwitz

One of the Gidwitz is reported to live in Scottsdale -- the other in Grand Junction, Colo

Number of Claims About 250 claims, owned by the 3 owners mentioned above.

Principal Minerals Exploration for copper.

Present Activity Diamond drilling by Boyles Bros. on contract. 18 holes reported
to have been drilled to date, with more to follow. 1 drill rig and sometimes 2 used.

Past History

- (1) Exploration by Bear Creek Mining Co. in 1961 and 1961, and dropped by Bear Creek.
- (2) Exploration April to June, 1963 by Pima Mining Co., and dropped by Pima, July, 1963.
- (3) Optioned to Continental Exploration Co. in latter part of 1963.
- (4) Diamond drilling started by Continental Exploration Co. about March 1, 1964.