

CONTACT INFORMATION

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PRINTED: 05/30/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: ORD MERCURY

ALTERNATE NAMES:

INDIAN CLAIMS

GILA COUNTY MILS NUMBER: 346B

LOCATION: TOWNSHIP 7 N RANGE 9 E SECTION 12 QUARTER SW LATITUDE: N 33DEG 57MIN 27SEC LONGITUDE: W 111DEG 23MIN 50SEC

TOPO MAP NAME: RENO PASS - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

MERCURY

BIBLIOGRAPHY:

USGS RENO PASS QUAD
BLM MINING DISTRICT SHEET 128
ADMMR ORD MERCURY MINE FILE
FALCK J M GEOL ORD MINE USGS BULL 1042-R 1958
USBM IC 8252 MERC POT OF US 1965 P 66
AZBM BULL 180 MIN & WATER RES AZ 1969 P 228
ADMMR AMITY MINING & EXPL CO INC FILE
ADMMR NEW PROJECTS FILE
LAUSEN C & E D GRADNER QUICKSILVERS RESOURCES
AZ AZBM BULL 122 P 98-102
USAEC PRELIM RECONN REPT 271-480 P 26
ADOT HIWAY MAP 1975 P 3
PAT. CLAIMS EXTEND INTO SECS 11, 12, 13, 14
& 15

USGS Bull. 1042-R

IC 8252

ABM Bull. 122

AEC 172-480 (No U₃O₈)

Geology of the Ord Mine
Mazatzal Mountains, Quicksilver
District VSGS Bow 1042 6

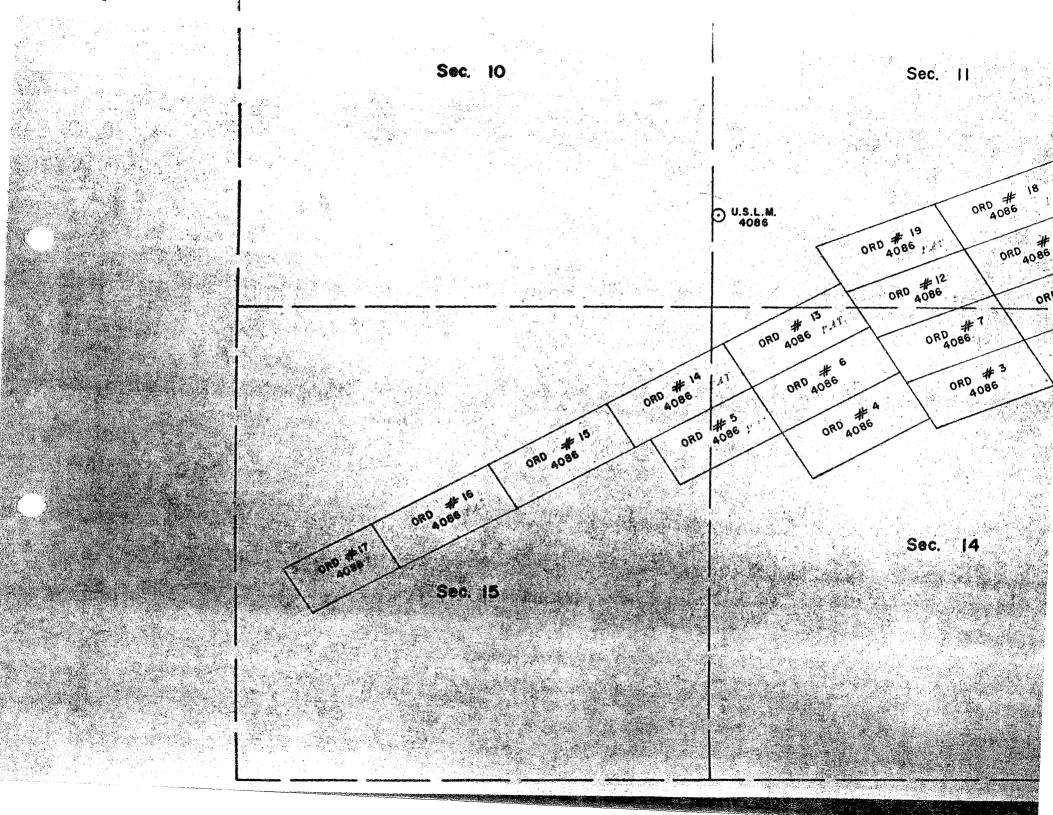
E&MJ July 1965 p. 100 (COPY IN FICE)

Plat of Survey in "Cypress Group" (file)

Mining World Dec. 1962 p. 36 (coff IN Fice)

ABM Bull. 180, p.228

MININE COORLE 15/62



Arizona Department of Mines and Mineral Resources

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA

GIA

MARICOPA COUNTY

MM 4915 Metacinnabarite K606 Cinnabar in quartz

ORD MINE
Sunflower Dist.

MILS #
346 B

1-ALA

ORD MINE

Sunflower Dist.

Gold Grand Prize DISTRICT: SLATE CREEK out of Payson Grady Harrison Shipping & Mille Phone Pay Garage Tom Russel Ord Mercury 2-12' Wide GP Yein Series ofveins T 7 N, R 9 E shirt /2 mile wilde several velas foin 6-Pulein 5-00 \$ 600 1009 75 18/1/19 Manzaheta toverbudan 35 56 pertey Holes scattlered

MINING JOURNAC - 4-15-42

ORD MERCURY

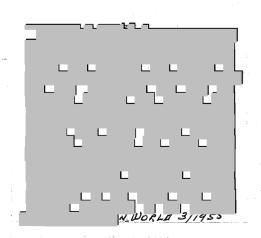
Purchased by Uranium Enterprises, Inc.

(Vance Thornburg), 258 S. Scottsdale Rd.,

Scottsdale ______, 1954.

Operated by Uranium Enterprises for about three months in Spring of 1954.

B. J. SQUIRE



. I handed this to Smith today. The other address, however, was CK too.

Bill Broadgate

February 7, 1944



MEMORANDUM

ORD MERCURY MINE

TO:

W. C. Broadgate

Hempal.

FROM: J. S. Coupal

I am enclosing a copy of a letter received from Tom Russell, Manager of the Ord Mercury Mine, Tonto Basin, Arizona. You will note that this letter is incorrectly addressed to attention of DeWitt C. Schieck. It should have been attention DeWitt C. Smith so that it may possibly not reach Mr. Smith's attention unless you bring the copy I am enclosing to his attention personally.

I have just received your memorandum of February 2 on quicksilver wherein you state that "in his opinion where there was less than 11 months ore showing in mine reserves, Metals Reserve Company would probably take the delivery rather than pay the penalty." It would seem from this that the man who had developed reserves is being penalized which is hardly fair. If they would figure these reserves on technically blocked out ore, I imagine no harm would be done as the small mines practically never really block out their ore.

I am advising the other two producers in Arizona of the memorandum you sent and I am advising them to also write Metals Reserve asking that their delivery be taken up to December 31, 1944 and give their reasons for their request.

JSC:LP

Enc.

February 28, 1944

Mr. Tom Russell Ord Mercury Mine Tonto Basin, Arizona

Dear Tom:

I have just received a memorandum from W. C. Broadgate, Assistant Director for the Department in Washington, saying that he had taken up the question of an adjustment for the Arizona producers of mercury and after some decided effort, had been able to arrange through Messrs. Carlisle and Joralemon to have an engineer named Sampson make careful examination of your property so as to report facts which would justify some modification of the proposed settlement made on January 31 regarding your production of mercury up to December 31, 1944.

I would be pleased to know the results of such examination and be of any further assistance possible to you.

Yours very truly,

J. S. Coupal, Director

February 7, 1944

MEMORANDUM

ORD MERCURY MINE

TO: W. C. Broadgate

FROM: J. S. Coupal

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JSC:LP

Mr. Whitworth
O.D.T. Allocation Office
804 Security Building
Phoenix, Arizona

Dear Mr. Whitworth:

Mr. Tom Russell, whom I have known for many years artively engaged in mining, is now the operating manager of the work on the Ord Mercury Mines under a partnership agreement with Tyree Trobaugh and Grady Harrison.

I have been on the property and know from personal observation that the operations are well managed and effective in the production of quicksilver. At present they have 20 men at work and are operating the furnace which is of special design by the former engineer, L. E. Foster.

They are now handling about 21 tons a day from the old Ord workings and are opening up the No. 1 shaft. During the past month they have produced 44 flasks of quicksilver and have definite plans for stepping this production up to double its present output.

I feel as though Mr. Russell and his associates are fully qualified for permit to purchase a pick-up truck, which is very vital for moving in and out supplies from an isolated spot such as Slate Creek where the Ord Mine is located. This operation is very vital for a steady output of quicksilver from our Arizona mines.

With best wishes and kindest regards. I am

Yours very truly,

J. S. Compal, Director

ORD MERCURY MINE TONTO BASIN. ARIZONA

OCTOBER 1.

Hon. Carl Hayden U. S. Senator from Arizona Washington, D. C.

Dear Sir:

something a bout it.

Enclosed herewith is a copyof a claim we are filing with Metals Reserve Company, under the war Contract Settlement Act. We have taken a beating on this deal that will put us out of business unless we can do

Themercury situation being what it is and continued heavy imports from Spain have killed what hope we had of post war market at a reasonabl Al we can plan now is try and save our property from going back to the original owners.

I cannot feel but that if we would lay off spanish mercury that was piled up here during the war, we would have a good demand here for sometime.

We were put out of the gold mining by the war and are in no position to resume it now as ourmine is flooded and caved in, but if we can get our obligations met now we will be able to go shead here in a small way and possibly come out alright.

I understand that so far mines have been left out of the picture under the War Contract Settlement Act, but cannot see how they can continue to ignore our predicament for very long. For one thing, I have about twenty men who have been, and still are, in the armed forces, that were depending on me for post war jobs. I can still provide these jobs if we can get this situation straightened out. My case is very typical of conditions with all war emergency mines and mercury in particu lar seems to be a stepchild that will be left to shift for itself in peace times. I think our domestic mines should be protected someway.

If there is anything you can do to help us by seeing that our claim gets prompt consideration, we will appreciate it verymuch.

Sincerely yours,

ORD MERCURY MINE s/ Tom Russell Manager

CARTER GLASS, VA., CHAIRMAN
KENNETH MC KELLAR, TENN.
CARL HAYDEN, ARIZ.
ELMER THOMAS, OKLA,
JAMES F. BYRNES, S. C.
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RICHARD B. RUSSELL, GA.
ALVA Bs ADAMS, COLO.
PATRICK MC CARRAN, NEV.
JOHN H. OVERTON, LA.
JOSEPH C. O'MAHONEY, WYO.
HARRY S. TRUMAN, MO.
THEODORE FRANCIS GREEN, R. I.
FRANCIS MALONEY, CONN.
DENNIS CHAVEZ, N. MEX.

GERALD P. NYE, N. DAK.
STYLES BRIDGES, N. H.
HENRY CABOT LODGE, JR., MASS.
RUFUS C. HOLMAN, OREG.
WALLACE H. WHITE, JR., MAINE
CHAN GURNEY, S. DAK.
C. WAYLAND BROOKS, ILL.

United States Senate

COMMITTEE ON APPROPRIATIONS

October 10, 1945

EVERARD H. SMITH, CLERK JOHN W. R. SMITH, ASST. CLERK

> Mr. Tom J. Russell Manager Ord Mercury Mine Tonto Basin. Arizona

> My dear Mr. Russell:

I want to thank you for your letter of October 1, with which you transmitted a copy of the claim of the Ord Mercury Mine submitted under the provisions of the Contract Settlement Act of 1944.

Please let me say that I have requested Honorable Charles B. Henderson, hairman of the Board of Directors at the Reconstruction Finance Corporation, to have very careful consideration given to this claim, and as soon as I have a report from Senator Henderson, I shall get in touch with you again.

With every good wish, I am,

Yours very sincerely,

Massage,

KENNETH MCKELLAR, TENN. CARL HAYDEN, ARIZ. ELMER THOMAS, OKLA. MILLARD E. TYDINGS, MD. RICHARD B. RUSSELL, GA. PAT MC CARRAN, NEV. IOHN H. OVERTON, LA JOHN H. BANKHEAD, ALA.

JOSEPH C. O'MAHONEY, WYO.

THEODORE FRANCIS GREEN, R. I.

KENNETH S. WHERRY, NEBR. DENNIS CHAVEZ, N. MEX. JAMES M. MEAD, N. Y. BURNET R. MAYBANK, S. C. ABE MURDOCK, UTAH

STYLES BRIDGES, N. H. WALLACE H. WHITE, JR., MAINE CHAN GURNEY, S. DAK. C. WAYLAND BROOKS, ILL. CLYDE M. REED, KANS. HAROLD H. BURTON, OHIO JOSEPH H. BALL, MINN.

United States Senate

COMMITTEE ON APPROPRIATIONS

October 10, 1945

EVERARD H. SMITH, CLERK JOHN W. R. SMITH. ASST. CLERK

BEPT. MINEPAL RESOURCES NE TOUR OCT 15 1945 ARIZONA PHOL

Mr. Charles H. Dunning Director

Department of Mineral Resources 304 Home Builders Building Phoenix, Arizona

My dear Mr. Dunning:

Attached here to for your information are copies of communications I have today addressed to Honorable Charles B. Henderson, Chairman of the Board of Directors at the Reconstruction Finance Corporation and to Tom J. Russell at Tonto Basin, Arizona, relative to the Ord Mercury Mine.

With every good wish, I am,

As very sincerely,

KENNETH MC KELLAR, TENN.
CARL HAYDEN, ARIZ.
ELMER THOMAS, OKLA.
JAMES F. BYRNES, S. C.
MILLARD E. TYDINGS, MD.
RICHARD B. RUSSELL, GA.
ALVA B. ADAMS, COLO.
PATRICK MC CARRAN, NEV.
JOHN H. OVERTON, LA.
JOSEPH C. O'MAHONEY, WYO.
HARRY S. TRUMAN, MO.
THEODORE FRANCIS GREEN, R. I.
FRANCIS MALONEY, CONN.
DENNIS CHAVEZ, N. MEX.

CARTER GLASS, VA., CHAIRMAN
LAR, TENN. GERALD P. NYE, N. DAK.
RIZ. STYLES BRIDGES, N. H.
GKILA. HENRY CABOT LODGE, JR., MASS.
S, S. C. RUFUS C. HOLMAN, OREG.
NGS, MD. WALLACE H. WHITE, JR., MAINE
CHAN GURNEY, S. DAK.
CCLO. C. WAYLAND BROOKS, ILL.

United States Senate

COMMITTEE ON APPROPRIATIONS

October 10, 1945

EVERARD H. SMITH, CLERK JOHN W. R. SMITH, ASST. CLERK

Honorable Charles B. Henderson Chairman, Board of Directors Reconstruction Finance Corporation Washington 25, D. C.

My dear Senator:

I am transmitting herewith the original and copy of a letter addressed to me on October 1 by Mr. Tom J. Russell, Manager of the Ord Mercury Mine, Tonto Basin, Arizona, together with a copy of a claim submitted by this gentleman to the Metals Reserve Company on behalf of the Ord Mercury Mine and in accordance with the provisions of the Contract Settlement Act of 1944.

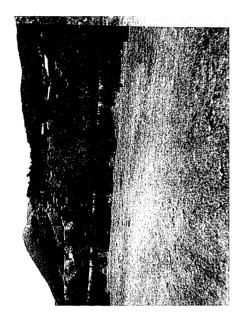
Despite the tenor of the decisions reached thus far, I continue to be hopeful that a liberal attitude will be adopted toward such cases whenever the claim in question possesses merit so that there will be no repetition of the many difficulties that resulted under the terms of the War Minerals Relief Act of 1919.

I shall be most appreciative if you will be kind enough to keep me fully advised as to progress of this claim.

With kindest personal regards, I am,

Yours very sincerely,

are Hayden



ORD MINE



Conference with James McFarland and Gordon Grimes at Sunflower Store

These men now have secured leases on the Ord and Blue Bird Quicksilver mines. The Rattlesnake Mill has been improved. They hope to obtain finances to begin mining at the Ord where some good grade reserves are said to be available after a little preliminary work. The price of quicksilver is good.

Gordon Grimes address is: P.O. Box 761

Payson, Arizona

James McFarland address is: P.O. Box 308

Payson, Arizona

They are contemplating an OME loan.

Memo LAS 2-27-64

Conference with H. C. Smith, Box 347, Globe, Arizona

Mr. Smith said that he held a lease agreement with Thornburg to work the Ord. At present three men and he are repairing the mill adit portal, and plan to go on and repair the adit as far as the main 160-foot winze. He mentioned that he expected this is a tough schist since the damage had been caused by unusually wet weather which had "oiled" the schist and made it very heavy. It was suggested that he obtain a copy of USGS Bull. 1042-R which dealt specifically with the geology of the Ord Mine (1958), since he was generally unfamiliar with the Ord area. He has so far been unable to secure mine maps. His plans must remain a bit fluid until he can learn more about the mine.

He trucked 73 tons of $2\frac{1}{2}$ 1b. material to the Rattlesnake mill and according to Grimes slightly over 2 lb. per ton was recovered. Grimes estimated his extraction about 85 percent. This was material from the old Ord dumps. LAS Memo 2-23-66

Active Mine List Oct. 1966 - Expl.

Visit and conferences with James Popovich (Pine Mountain) and a workman revealed that H. C. Smith of Globe was still exploring for oer in the Ord and had no success with his small retort. Some of the dump ore (1 to 2 lbs. to the ton) was treated previously at the Rattlesnake Mill under the supervision of Gordon Grimes of Payson. (Due to car trouble I was unable to visit the mill but no work seemed to be going on as seen from the highway.) Memo LAS 10-25-66

RRB WR 10/3/86: The Gila County Assessor's office reprots that the Ord Mine, Sunflower District, Gila County, is owned by Sunchief Mines.

ORD MINE

SUNFLOWER DIST., GILA CO.

Interview with L.D. Cunningham. He reported that he had been paid in full to relieve the labor lein he had on the property. He said that two Gaylor brothers then leased the property and shipped about 40 tons of ore to the Rattlesnake mill. This is reported to have barely paid the milling cost. Cunningham said that these people were in trouble of some sort and he had not seen them of late, and that they had had no mining experience and were not equipped for mining. It was his opinion that much repair work would be required to rehabilitate the mine, as much of it was heavy.

Memo - Lewis A. Smith - 2-7-62

This property active Oct. 1962

Lee states that O. L. Johnson, still has the lease on the Ord and Bluebird. The Ord is owned by Mercury Mining Corp., Inc., the principal individual being Vance Thornburg. He said Johnson had become delinquent in his royalty payments. Interview with H. A. Lee, 8220 Camelback Road, Scottsdale Memo LAS 2-7-63

Interview with C. O. Carlson and A. A. Frederickson

These men said that McFarland was still around. Attempts to contact him failed. The Bluebird, according to Frederickson has several short adits aimed at reaching the intersection of the Ord shear zone with two large rhyolite porphyry dikes. It is believed that the best ore potential would be at these intersections. Memo LAS 6-27-63

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine

Ord Mine

Date

Feb. 23, 1965

District

Sunflower District - Gila County

Engineer

Lewis A. Smith

Subject:

Visit and conference with Gordon Grimes, Work Supervisor

The work now being done is on the Little Indian Claim of the Ord Group. Gordon Grimes and McFarland have a lease on the Ord Group. Jack Stewart (253-3959) is the angel. He was not available at his office but will be contacted later. Gus Packard's Cyprus Claims lie across the Slate Creek to the south. The cut is 0.8 miles up Slate Creek from the Ord Mill.

The work consists of sinking a deep open cut that overlies an old tunnel below. This portion of the tunnel is not at present accessible. The cut is about 45-50 feet in diameter and up to 50 feet deep at the deepest place. The east face of the cut shows a wide intimately sheared zone that is close to vertical and generally trends approximately N 40-50 deg E. The shear zone as now exposed is about 35 feet wide but appears to extend further both to the northwest and to the southeast. In the cut bottom the shear has been rolled. About 4 feet of this shear zone lying nearly in the middle of the northeast face of the cut, is mineralized with cinnabar and metacinnabarite. According to Grimes the ore runs about 4-6 pounds to the ton and the tunnel below this cut is reported to contain some much higher grade ore. They also plan to reopen the tunnel, the portal of which is now covered by highway fill.

A stockpile of ore has been accumulated beside the highway and this will soon be retorted at the Rattlesnake Mill. Earlier 50-75 tons of this material averaging 3-4 pounds to the ton and 4 flasks were obtained. This was partly sold to Arizona Hard Chrome Co., 2609 W. Cypress (278-6322) Phoenix.

Blue Bird and Ord

SUNFLOWER DIST.

GILA COUNTY

Mr. McFarland stated that Amity Mining Co.'s options on the Bluebird (owned by C.O. Carlson, Payson and A. Fredrickson, Phoenix) and the Ord (Vance Thornburg et al) is due to terminate near the end of the year. He said that O.L. Johnson, the principal in Amity Mining Co. was heavily in debt and had failed to meet royalty payments and wages. C.O. Carlson stated that he and Fredrickson had recinded their option as of the termination date, because of failure of Johnson to meet any of the stipulated payments.

Mr. McFarland and Gordon Grimes (Payson) are prepared to seek an option on the two mines as soon as the present options are done, provided the properties are optionable. Mr. McFarland outlined an area, on the Bluebird that lies west of and against a large rhyolite dike and which straddles the Ord shear zone. Here he said they had exposed an ore bearing zone that is 1500 feet long, by means of several adits and cuts. This is said to vary from 4 to 20 feet wide. The No. 6 crosscut adit could be driven further west to intersect this zone at about 300 feet below the surface. Should this intersect ore, a considerable reserve would be inferred. This would have to be further checked by drifting along the rhyolite schist contact to the northwest. would show whether the 1500 feet in between this crosscut and the lowest ore outcrop is all ore or is composed of a series of lenses associated with the projected Ord shear planes and whether the inferred ore zone has consistent width and grade. McFarland said that the ore zone might be quite variable in width. Should the lense theory prevail. it would then appear important to determine if the intervening spaces between the lenses is of sufficient tenor so that a combination of the lense grade and the intervening grade would make ore. Until these theories are verified, any ore reserve figure would be highly problematical, particularly since the Sunflower District quicksilver ore shoots generally tend to be somewhat lenticular, the lenses forming near or at pre-mineral structural intersections. According to both C.O. Carlson and McFarland, several assays across the inferred ore zone at various intervals, show from a few pounds of Hg. up to over 20 pounds per ton.

The ore minerals lie mainly in what appears to be a greenstone schist that contains jasper, brown siderite, or ankerite, and quartz. The ore minerals are cinnabar, and some meta-cinnabarite, native mercury and a "purplish" mineral that may be mercurial tennantite. The outcrop in places shows azurite and malachite, and often shows an orange limonite that is a good indication in this area. There is evidence that this limonite may have resulted in part from alteration of the iron carbonate, which commonly is affiliated with the ore minerals and in part from copper-iron sumphides, such as tennantite (mercurial), chalcopyrite and pyrite. Some blebs of cinnabar up to $\frac{1}{2}$ inch in width were seen in specimens, but much of the quicksilver bearing material is disseminated in the schist laminae or quartz.

Two or three truck loads of this ore is now stored above the Rattlesnake mill. This, in addition to the minerals previously mentioned, contain considerable calcite that probably was partly instrumental in the formation of the azurite and malachite along with the iron-carbonates.

LEWIS A. SMITH - Interview with James McFarland at the Ord - 10-31-63

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Bluebird and Ord (Amity Mining & Expl.Date Oct. 24, 1962

Co., Inc.)

District Sunflower District - Gila County Engineer Lewis A. Smith

Subject: Interview with James McFarland

Mr. McFarland stated that operations were temporarily discontinued in lieu of further financing. The recent work uncovered a schist ore zone on the Bluebird claims about 30 feet wide, which assays 7 to 20 pounds in Hg per ton. Two other zones of lower grade (5-7 pounds) were also found. These zones appear to lie on the continuation of the Ord ore-bearing zone. C. O. Carlson stated that the various records indicate that the Ord had produced about 7500 flasks during its history. He also said that Grady Harrison and Tom Russell had excellent ore in the main winze area but had to abandon it because of exceptionally heavy wet ground. The greenish schist slabs readily when wet. McFarland had repaired about 130 feet of the main Ord winze out of 165 feet. He said Tom Russell had siad that there is very good ore in the 165 foot level drift which bears west from the winze. The ore occurs in green to dark gray, thin-bedded and chloritic schist laced by narrow quartz, veinlets or kernels, and the schist frequently contains some copper as azurite and malachite stain. This ore is comparatively free of antimony or arsenic and consequently retorts well. Where the ore bearing zone outcrops can be seen, the oxidized cappings over the Ord orebodies are quite similar to those on the Bluebird. A very typical orange-brown limonite is usually associated with the better cinnabar ore outcrops. Siderite is commonly an accessory mineral. This orange-brown limonite could be an alteration product from the siderite as well as pyrite.

In the Bluebird claims, the ore zones are usually closely affiliated with a white opaque quartz. The quartz itself contains veinlets, blebs and impregnations of cinnabar, metacinnabarite and affiliated native quicksilver along with some siderite or ankerite. These same ore minerals are in the intervening schist areas, and the bulk of the mined ore was schist. The Ord ore concentrations are usually at oblique "slip-dip" fault crossings of the schist lamanae. There is considerable indication of similar structural conditions on the Bluebird claims. Mr. Carlson, who, with A. A. Frederickson, owns these claims, also believes that this is so. He also stated that the ore bodies generally are lenses and that the intervening areas between the lenses are considerably lower grade than in the leases.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine

Ord Mine

Date

February 3, 1960

District

Sunflower Dist., Gila Co.

Engineer Lewis A. Smith

Subject:

A conference with L. D. Cunningham, Caretaker of the Ord, revealed that Thornburg wants to sell the mine. He also stated that a lack of money had prevented proper care of the mine workings. As a result they are deteriorating rapidly and some of the deeper workings are under water. He stated that Vance Thornburg's brother was killed in a hunting accident and that the affairs of the mane had been placed under James F. Poulos, Thornburg Lumber Company, 7th and Pitkin Streets, Grand Junction, Colorado. The property now consists of 20 patented claims.

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA FIELD ENGINEERS REPORT

Mine Ord Mine (Quicksilver)

Date

October 4, 1957

District Sunflower, Maricopa County

Engineer Lewis A. Smith

Subject:

Owners: Vance Thornburg - 258 S. Scottsdale Rd. Scottsdale

Property:

Sec. 17, R9E, T7N., was purchased by Thornburg from Tom Russell

and Grady Harrison, about three years ago.

Work:

Two miles of underground workings in mica-siricite schist containing numerous narrow quartz veinlets. General average milled by Thornburg was about 10 pounds of quicksilver per ton. He had a 20 ton retort and broke about even, the plant being a Gould furnace. Thornburg now plans to install/increased sized and an improved version of the Gould, the change being based on the operative principal of a Hersholdt furnace. The principal dificulty with the ore is the high kaolin content. When the ore is wet it becomes slimey and very hard to handle because the wet kaolin seals up the finely disseminated cinnibar. Since the bulk of the ore is finely disseminated in the schist, the problem is serious. Russell said, that the altered flowsheet may remove this obstacle. Since Russell and Harrison were mainly working a bove this local water table, they failed to encounter this trouble. Thornburg has since driven a long tunnel below the water table so that the wet area can thus be reduced somewhat.

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine VORD MERCURY MINES

Date June 4, 1942

District

Engineer Fred H. Perkins

Subject: SURVEY OF OPERATING MINES

Wrd Mercury Group vTyree Trobaugh, Mgr., Tonto Basin P. O. From Russell, Supt. of Mine & Mill Grady Harrison Co-partnership

Ord Mine

Located 60 miles North of Mesa, Arizona, and 30 miles south of Payson on the Bush Highway.

1941 Production all in Mercury about \$18,000. Unable to estimate tonnage due to plant capacity, but approximately 9125 tons or 25 tons per day. Has complete grinding plant and retorts, which has produced 800 flasks of quicksilver. 750 flasks sold to Quicksilver Producers Ass., 340 Towne Avenue, Los Angeles, California. 50 flasks sold to F. W. Berk, San Francisco, California.

1942 Production at rate of 2 flasks or better per day. 500 ft. of shafts and winzes and 3 miles of drifts and cross-cuts. Average vein thickness is 4 feet. Average ore value is $\frac{1}{2}$ of 1% in quick. Total force in mine and mill 16 men, working one shift.

PROBLEMS: - Mr. Trobaugh says now that he has installed a grinding step for oversize his only problem is to change to Diesel type for power.

In the very near future he can make his plant full Diesel type and his troubles are over.

2804 8 M

de. 11 × 15 7 72 K 9.

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA FIELD ENGINEERS REPORT

Mine

Ord Mercury Mines

-

Date

January 12, 1944

District

Tonto Basin District

Engineer

J. S. Coupal

Subject:

Present Condition of Operations

The Ord Mercury Mines are operated by Tom Russell, Grady Harrison and Tyree Trobaugh, a copartnership of which Tom Russell is in charge of operations; address, Tonto Basin, Arizona.

This operation was started from scratch under an option to buy the property at \$20,000 and pay a 15% royalty on all mercury sold until purchase price completed.

The operators using their own equipment and their own money worked for seven months before application for a loan was made. In January, 1943 an R.F.C. loan of \$5,000 was granted. In May, 1943 a second loan of an additional \$15,000 was made available. A third loan for an additional \$10,000 was made available January 8, 1944.

To date the copartnership has paid \$14,000 in royalties and has shipped 449 flasks up to and including January 16, 1944. To do this they have bought and paid for about \$9,000 in new equipment. They have no cash on hand excepting the \$10,000 made available by the R.F.C. on January 8, 1944.

The copartners have drawn only \$5.00 a day when working and their time has been devoted to the property as follows:

Tom Russell 100% of his time Trobaugh 80% of his time Harrison 25% of his time

All three are skilled operators and have only drawn \$5.00 a day for the time actually put in on the job. Any one of the three could have gone into other war industry work and earned anywhere from \$10.00 to \$20.00 a day, but felt as though they could be of more value to the war effort on getting out quicksilver production.

The property is fully equipped and ready for a step up in production. The furnace, which is a three-decked plant with proper dust chambers and condensing systems, makes about 75% recovery of mercury. The plant has about a 30-ton daily capacity.

The mine developments have been very encouraging. They have just opened up two new ore bodies, one running . % ore, 20 feet plus in width and 175 feet in length. The present R.F.G. lean is for the purpose of sinking an additional 100 feet on this ore body. No. 2 are body is out on the level 100 feet above the No. 1 are body and 140 feet to the west and shows . % ore 4 feet in width which has just been opened up and has been opened for 35 feet in length. Further development is being done on this are body.

The operations have averaged between 30 and 35 flasks per month for the post six months. With the new ore now developed and the new developments which will result from the R.F.C. loan, it is conservatively figured that they can continue to produce at the rate of 50 flasks per month.

A settlement on the Item 8 "8" elective by the Metals Reserve will mean that the operators will have to depend upon the open market for the sale of their quick-silver and have facing them repayment of the \$30,000 loan to the R.F.C. and an additional \$6,000 in royalties to the owner before they can obtain full title to the property. Tom Russell figures that with a continuation of the \$192 per flask by Metals Reserve to December 31, 1944, their operations can pay back the R.F.C. loan, make final payments on the property and will then be relieved of the 15% royalty and can continue to operate at a profit on a lower market.

The labor employed on this operation are all local ranchers or have local interests which would keep them in the district and not have them available for other war industries unless pressed into other service by draft regulations. The average number of men employed is from 17 to 18 men with a wage of \$6.00 per day to miners. Several of the miners are working under lease and are receiving more than the \$6.00 per day.

Prior to December 20, 1943, these operators sold their mercury to F. W. Burke and Company (Coast Chemical Division), Los Angeles, California. A "qualified" contract was granted this operation on December 20, 1943. The application for "qualified" producers was made on December 4.

It may be added that Tom Russell, who is the most active of the three copartners in this operation, was shipping gold ore prior to the L-208 gold closing order and when shut down under this order moved his equipment and started work on the Ord Mine.

9-15-62

AMITY MINING & EXPLORATION CO.. INC.

LEWIS A. SMITH

Sunflower Dist., Maricopa Co.

Interview with James McFarland, Box 308, Payson (Foreman) and Grady Harrison at Payson.

Mr. McFarland stated that Amity has acquired a lease-option on the Ord Mine from the Vance Thornburg interests. Thus far, they have cleaned out the main haulage adit, level with the top of the Ord Mill, and have repaired an old winze down for 100 feet. The winze, according to Grady Harrison, was extended, by Tom Russell and himself, to 165 feet, and a 40-foot drift driven in a westerly direction. (Mr. Harrison stated that this was done immediately before they sold to Vance Thornburg.) Russell and Harrison mined some relatively rich ore from a stope above the cross-cut but the ground was very wet and heavy and the stope was lost. They had started to work back into the area when the mine ownership changed. The winze also contained some 7-15 pound ore. McFarland plans to clean up more of the tunnel and has so far found some of the good ore reported by Harrison.

Further work was done on the Bluebird to the east of the Ord, where cuts have disclosed some good ore in two main zones. 12 men are now employed at the Bluebird and the Ord.

It is also planned to acquire the Rattlesnake Mill. Gordon Grimes, also interviewed, said he had traded his interest in the Pine Mountain and Bernice Mines to Bill Bronson for Bronson's interest in the Rattlesnake Mill. He will then sell or lease the Rattlesnake Mill to Amity. If this all materializes, the Amity Company will improve the mill and increase the capacity to 25 or 30 tons of ore per day.

According to John N. Faich, ("Geology of the Ord Mine, Mazatzal Mountains, Quicksilver District, Arizona": U.S.G.S. Bull. 1042-R, (1958) pp. 685-698) the quicksilver are occurs in the phyllites and is closely associated with conspicuous zones of bleaching and alteration in which the phyllites has been converted to sericite schist, seemingly by processes associated with ore deposition. These altered zones, called "ore" zones (if they carry appreciable amounts of quicksilver) are localized along inconspicuous shear zones and bedding-plane faults that are, in general, conformable to the foliation of the phyllites. The ore occurs in narrow, small, lenticular bodies most of which strike east-northeast, stand nearly vertical and rake steeply westward. Most orebodies are irregular in shape and rarely have definite walls, some have central parts of comparatively high-grade are which grades outward into sub-marginal are or barren

wallrock. Most of the ore consists of disseminated cinnabar in altered phyllite. However, Cinnabar also is present in narrow quartz veins, some of which contain considerable amounts of siderite. Some native mercury is found in the upper workings, and mercurian tennantite is abundant in ore exposed in the lower workings.

The deepest ore in the Ord Mines is about 375 feet below the surface, and this relatively shallow depth indicates that considerable caution should be used in future exploration for downward extensions of the ore bodies.

In some areas, the alteration zones are affiliated with pre-mineral rhyolite porphyry dikes such as in the Pine Mountain. In the Bluebird claims east of the ore, mafic dikes appear in places. These are highly altered and may have been associated with ore deposition in that they appear to have been altered by hydrathermal solutions.

Modern History: The Ord mine has produced over two thousand flasks of quicksilver since 1926. Grady Harrison, T. J. Russell, and Tyree Trobaugh (Mercury Mines Co.) under an R.F.C. loan produced 9,082 tons of ore from which 812 flasks of mercury was recoverd, an average recovery of 6.8 pounds per ton of ore. This was gross valued at \$126.674. The mine was idle from 1946 to 1952, when the mine was reopened in 1952 by Tom Russell et al, who, under a D.M.B.A. loan did exploration work below the 200-foot level. Around 8 flasks from 14 tons of ore ("black ore") was obtained from the 240-foot level. On July 1, 1954, Uranium Enterprises Inc. (Vance Thornburg, et al) secured a lease option and exercised the option in 1955. This Company treated 2530 tons of ore, yielding 148 flasks of mercury, for an average recovery of 4.48 pounds of quicksilver per ton of ore. Of a total production of 2100 flasks-nearly 1000 tons was obtained since 1946.

The general trend of the Ord orebodies appears to be toward the Bluebird claims, which now are being developed. However, because of the lenticular character of the old or developed orebodies, the prospecting for new orebodies is relatively expensive and should be done under relatively close control by a geologist.

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA MINE OWNER'S REPORT

WINE OWNER'S REPORT

Date August 1st. 1940

1. Mine Vord Mercury Mine

2. Location Address Tonto Basin, Ariz.

3. Mining District & County Brown Mining District Gila County, Ariz.

4. Former name

Mercury Mines Of America

5. Owner of PatentedyClaims

✓ W. V. Ranney ator Owner 6. Address (Owner) Highland, Cal.

7. Operator Owner

8. Address (Operator)

9. President, Owning Co.

9A. President, Operating Co.

10. Gen. Mgr. L. E. Foster, Tonto Basin, Ariz 14. Principal Minerals Cinnabar

11. Mine Supt. J. D. Hill & Secretary

12. Mill Supt.

15. Production Rate Approx 30tons per day

16. Mill: Type & Cap.

13. Men Employed 25

25

18. Operations: Present

Mining & furnacing average July $28\frac{1}{2}$ tons per 24 hours

17. Power: Amt. & Type

Furnace 60 HP Gasoline Compressors 100 HP Gasoline

19. Operations: Planned

20. Number Claims, Title, etc.

20 Patented claims 10 claims under lease & option

21. Description: Topography & Geography

See Federal and State bulletins on this area

22. Mine Workings: Amt. & Condition

Approx 4000 feet drifts & cross-cuts 600 ft shafts raises & winzes

- 23. Geology & Mineralization The Mazatzal Range is composed almost entirely of pre-Cambrian crystalline rocks granite rocks and crystalline schists. The prevailing types are quartz sericite schist and Phyllite. See State & Federal bulletins.
- 24. Ore: Positive & Probable, Ore Dumps, Tailings

There are a number of showings indicating considerable tonnage available with little development work. At this time approximately 1000 tons in sight and broken.

- 24A. Dimensions and Value of Ore body
- 25. Mine, Mill Equipment & Flow-Sheet

Two mines and furnace fully equipped and operating Living quarters camp facilities.

26. Road Conditions, Route

80 miles from Phoenix over Bush Highway. 80 miles from Globe, Ariz. over "Apache Trail" highway and Payson Highway.

27. Water Supply

Spring and pumped wells sufficient for domestic use and operation under normal conditions.

- 28. Brief History Property was partly developed by Arizona Quicksilver Corporation in 1925 1927: then taken over by Mercury Mines of America who carried on additional development work and produced \$125,000.00 in quicksilver in 1927-1929 and closed down in general crises of 1929.
- 29. Special Problems, Reports Filed
- 30. Remarks
- 31. If property for sale: Price, terms and address to negotiate. Address correspondence relative to property to J. D. Hill or

L. E. Foster Tonto Basin, Ariz.

Price total \$31,000.00

cash 16,000.00 Bal \$500.00 per month

32. Signature.

XX/00

SUBJECT: Ord Mercury Mine

ENGINDER: Ken A. Phillips

DATE: April 1, 1983

Sorted and organized material in the Ord Mercury Mine file, Gila County. A copy of a portion of the BLM Mining Distrift sheet #128 was added to the file. This map shows the location of a group of surveyed and some patented claims, the Ord #1-#20, mineral survey #4086 in Sections 11, 12, 13, 14 and 15, T7N R9E. These claims plus possibly others made up the Ord Mine, also known as the Ord Mercury Mine. A community "Stalker Village" and a portion of the mill and retort for the mine were all destroyed and the rubble buried by highway construction crews when State Highway 87 along Slate Creek was widened in the mid 1970's.

AR ... A DEPARTMENT OF TRANSPORTA.

OFFICE MEMO

HIGHWAYS DIVISION
P. O. Box 1410
Payson, Arizona 85547

April 19, 1988

TO:

BRUCE KAY

Materials Geotechnical Serv.

FROM:

THEODORE L. BLEM

Trans. Eng. Spec.

RE:

PROJECT VLT 053-1-512

Mesa-Payson Hwy.

(Ord Mine-Jct. SR 188, Unit II)

Attached please find plotted sections of the borrow source available for use on Project F 053-1-517. The quantity of material available is in excess of 17,000 cubic yards.

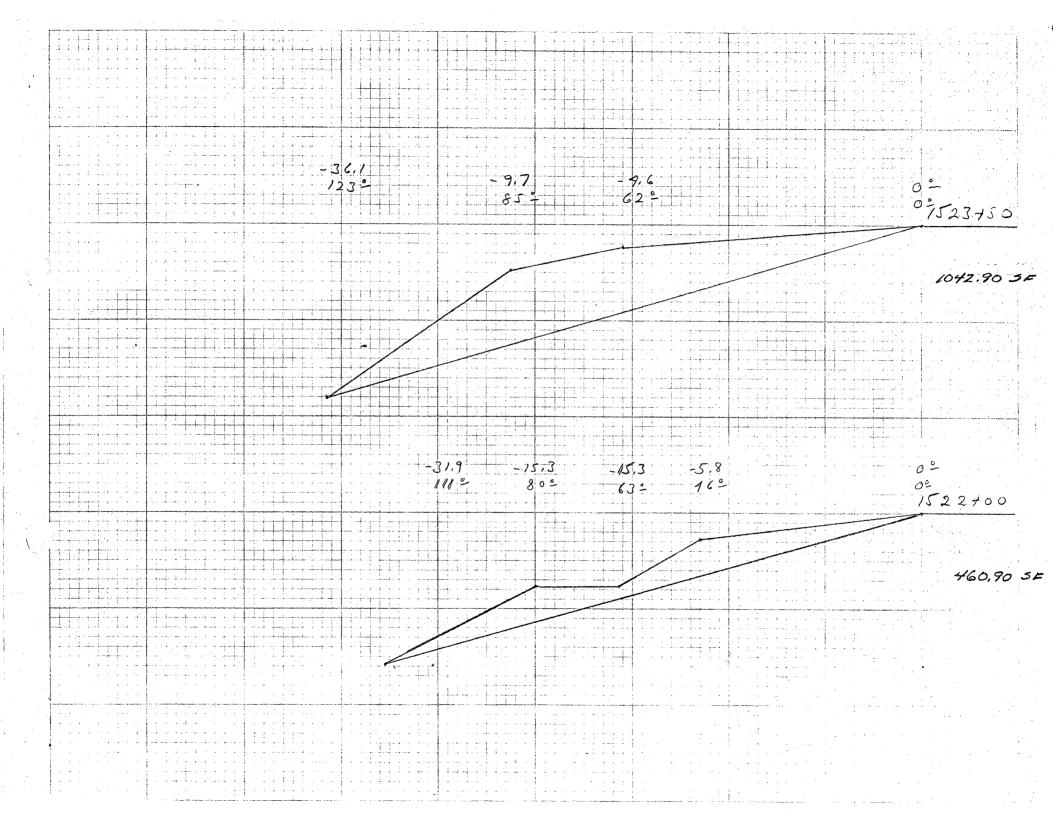
If you have any questions regarding the above matter, please feel free to contact me at the Payson Construction Office.

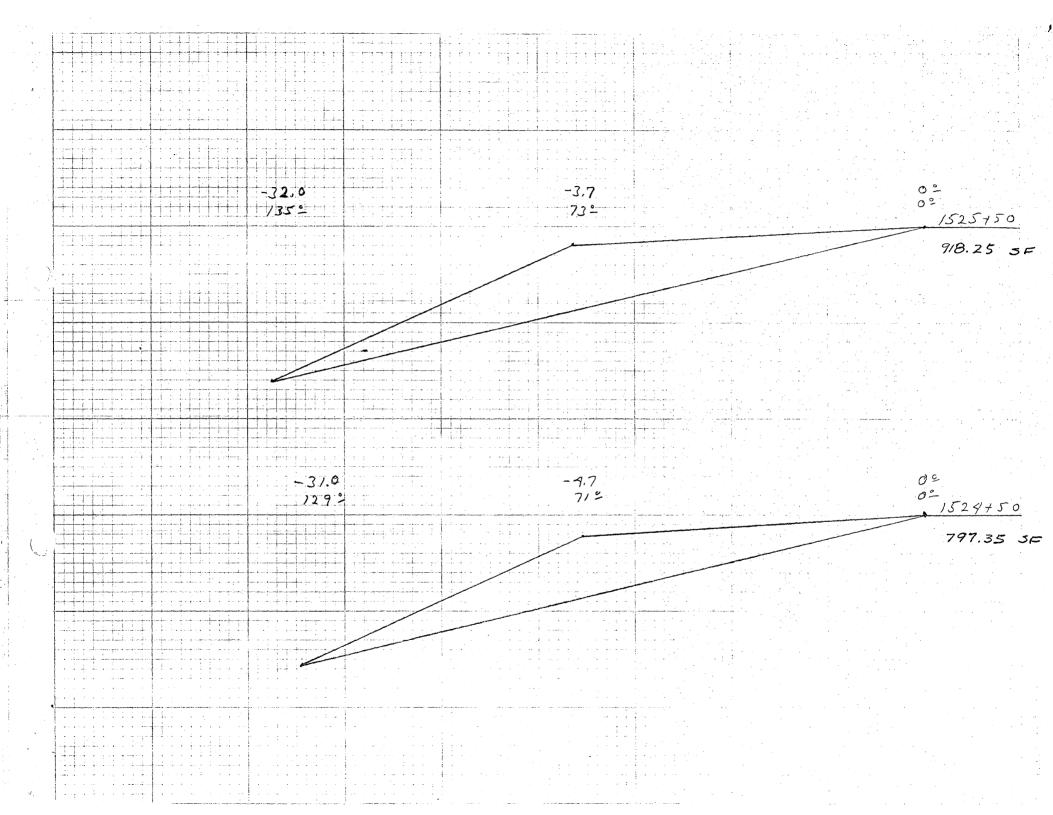
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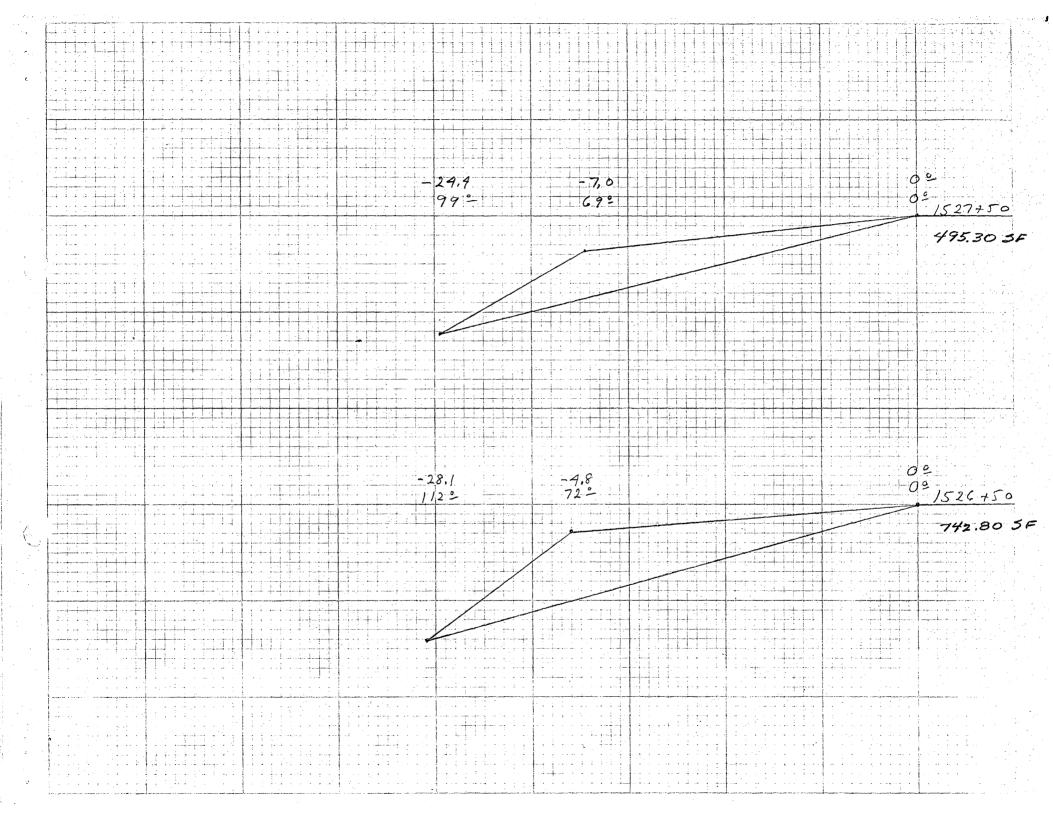
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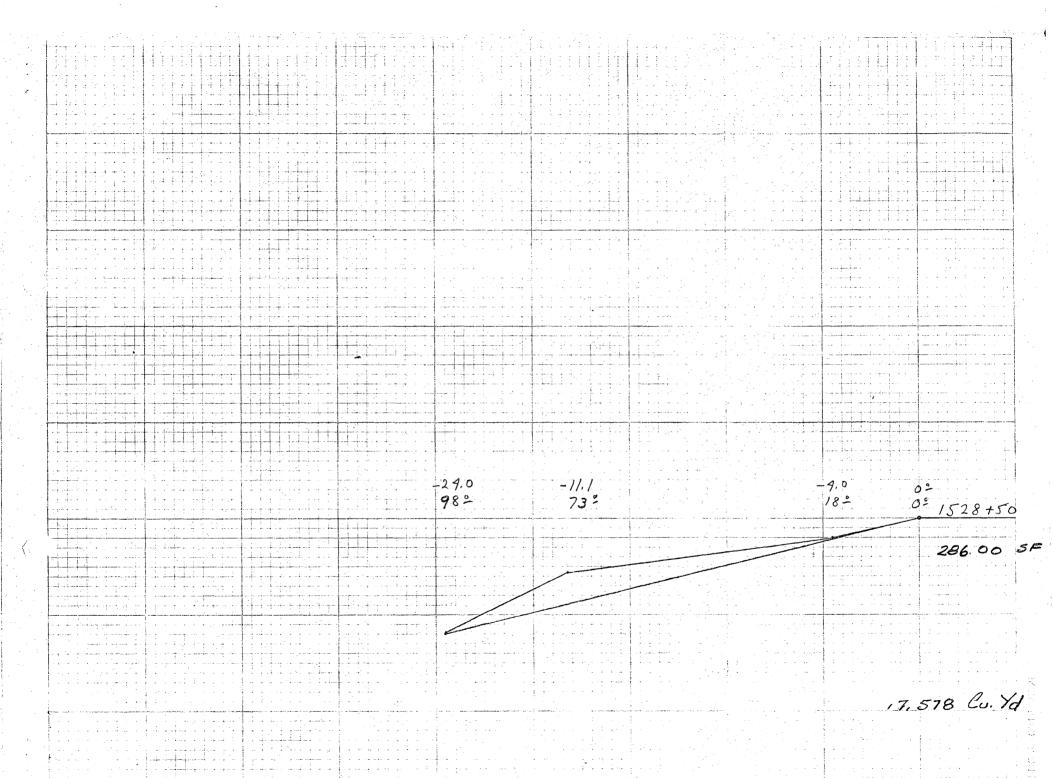
pc: Cordes Const. Office
Payson Const. Office

16,000 cy









DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine

Ord Mine (Quicksilver)

Date

October 4, 1957

District

Sunflower, Maricopa County

Engineer

Lewis A. Smith

Subject:

Owners: Vance Thornburg - 258 S. Scottsdale Rd. Scottsdale

Sec. 17. R9E, T7N., was purchased by Thornburg from Tom Russell Property:

and Grady Harrison, about three years ago.

Work:

Two miles of underground workings in mica-siricite schist containing numerous narrow quartz veinlets. General average milled by Thornburg was about 10 pounds of quicksilver per ton. He had a 20 ton retort and broke about even, the plant being a Gould furnace. Thornburg now plans to install increased sized and an improved version of the Gould, the change being based on the operative principal of a Hersholdt furnace. The principal dificulty with the ore is the high kaolin content. When the ore is wet it becomes slimey and very hard to handle because the wet kaolin seals up the finely disseminated cinnibar. Since the bulk of the ore is finely disseminated in the schist, the problem is serious. Russell said, that the altered flowsheet may remove this obstacle. Since Russell and Harrison were mainly working above this local water table, they failed to encounter this trouble. Thornburg has since driven a long tunnel below the water table so that the wet area can thus be reduced somewhat.

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In the way mer than he can mile his plant tall placed type and his translate and more

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In the way were chain in our case his him that the the type and his Property of the specific SURVEY OF OPERATING MINES

DEPT. MINERAL RESOURCES
-2- REPERT OF 1942
PHOSN: APPRONE

ORD MERCURY MINES

Problems

Mr. Trobaugh says now that he has installed a grinding step for oversize his only problem is to change to Diesel type for power.

In the very near future he can make his plant full Diesel type and his troubles are over.

SURVEY OF OPERATING MINES

By: Fred H. Perkins

DEPT. MINEPAL PESORAGES
PERCESSER

JUN 9 1942

PHOENIA.

ARIZONA

June 4, 1942

ORD MERCURY MINES

Ord Mercury Group

Tyree Trobaugh, Mgr., Tonto Basin P. O.

Tom Russell, Supt. of Mine & Mill

Grady Harrison

Co-partnership.

Ord Mine

Located 60 miles North of Mesa, Arizona, and 30 miles south of Payson on the Bush Highway.

1941 Production all in Mercury about \$18,000.

Unable to estimate tonnage due to plant capacity, but approximately 9125 tons or 25 tons per day. Has complete grinding plant and retorts, which has produced 800 flasks of quicksilver. 750 flasks sold to Quicksilver Producers Ass., 340 Towne Avenue, Los Angeles, California. 50 flasks sold to F. W. Berk, San Francisco, California.

1942 Production at rate of 2 flasks or better per day.
500 ft. of shafts and winzes and 3 miles of drifts and cross-cuts.
Average vein thickness is 4 feet.
Average ore value is ½ of 1% in quick.
Total force in mine and mill 16 men, working one shift.

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DEPARTMENT OF MINERAL RESOURCES

OWNERS MINE REPORT

Date August 1, 1940

1. Mine Vord Mercury Mine

2. Mining District & County Brown Mining District Gila County

4. Location Address: Tonto Basin, Arizona.

3. Former name

5. Owner Mercury Mines of America of Patented Claims - W. V. RANNEY

6. Address (Owner) Highland, California.

10. Gen. Mgr. L. E. Foster, Tonto Basin, Ari

7. Operator

8. Address (Operator)

9. President

ware and

11. Mine Supt. J. D. Hill (and Secretary)

12. Mill Supt.

13. Principal Metals Vcinnabar

14. Men Employed Twenty-five (25)

15. Production Rate approx. 30 tons per day

16. Mill: Type & Cap.

17. Power: Amt. & Type Furnace 60 HP Gasoline

Compressors 100 Hp Gasoline

18. Operations: Present

Mining and furnacing average July 28-1/2 tons per 24 hours

19. Operations Planned

20. Number Claims, Title, etc. 20 Patented claims - 10 calims under lease and option.

21. Description: Topography & Geography See Federal and State bulletins on this area

22. Mine Workings: Amt. & Condition Approx. 4000 feet drifts and cross-cuts - 600 ft. shafts raises and winzes.

23. Geology & Mineralization ine Lizatzal Range is composed almost itirely of pre-Cambrian crystalline rocks - granite rocks and crystalline schists. The prevailing types are quartz sericite schist and Phyllite. See State and Federal bulletins. 24. Ore: Positive & Probable, Ore Dumps, Tailings There are a number of showings indicating considered able tonnage available with little development work. At this time approximately 1000 tons in sight and broken. 24-A Vein Width, Length, Value, etc. 25. Mine, Mill Equipment & Flow Sheet Two mines and furnace fullly equipped and operating Living quarters - camp facilities. 26. Road Conditions, Route 80 miles from Phoenix over Bush Highway. 80 miles from Globe, Arizona over "Apache Trail" Highway and Payson Highway. 27. Water Supply Spring and pumped wells sufficient for domestic and operation use under normal conditions. 28. Brief History Property was partly developed by Arizona Quicksilver Corporation in 1925-1927 then taken over by Mercury Mines of America who carried on additional develop ment work and produced \$125,000.00 in quicksilver in 1927-1929 and closed down in general crises of 1929. 29. Special Problems, Reports Filed 30. Remarks 31. If property for sale: Price, terms and address to negotiate. Address correspondence relative to property to J. D. Hill or L. E. Foster, Tonto Basin, Arizona. Price total \$31,000.00 - cash \$16,000.00 - Balance \$500.00 per month.

32. Signed/sd/ J. D. Hill

33. Use additional sheets if necessary.

DEFARTMENT OF MINERAL RESOURCES WEISSTER OF ARIZONA OWNERS MINE REPORT

and the second of the second o	Date A naust 1, 1940
1. Mine . Ord Moroury Mine	. 24 See. Positive & Probablet Oro Human Tailings
2. Mining District & County Brown Mining District Oile County	4. Location Address Tonto Basin, Arizona
3. Former name	
5. Owner Karoury Kines of America of	6. Address (Owner) Bighland, California
7. Operator	8. Address (Operator)
9. President	10. Gen. Mgr. L. B. Foster, Tonto Besin, &
11. Mine Supt. J. D. Mill (and Secretary)	12. Mill Supt.
13. Principal Metals Ginnsbar	14. Men Employed taenty-fice (25)
15. Production Rate approx. 30 tons per day	16. Mill: Type & Cap.
17. Power: Amt. & Type Furnace 60 HP Gescline Compressors 100 Hp Gescline	
18. Operations: Present	July 28-1/2 tone per 24 hours
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19. Operations Planned	
20. Number Claims, Title, etc 20 Patented claims - 1	10 claims under leace and option belief tensphismal des Plaisage (E.
21. Description: Topography & Geography See Federal.	डेंगे. ^ए टलेड्डॉफ़ sidt so suitallud otatë bua
zisisses 22. Mine Workings: Amt. & Condition America 4000 Feet and vinces.	ol daibheiteannid aoirí cleann creaphail 14 Lárifte and cross-suis, 600 ft. abaite rai

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23. Geology & Minera	lization the setual Reago is composed and attraly of pro-Cambrian orystalline rooms - granito rooms and crystalline schists. The proveiling types are quarts scricite schist and Phyllite. See State and Poderal bulletine.
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24-A Vein Width, Len	gth, Value, etc.
25. Mine, Mill Equipm	ent & Flow Sheet Two mines and furnace fully equipped and operating. Living quarters and omen facilities.
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26. Road Conditions,	Route 80 miles from Phoenix over Such Highway. 80 miles from Globe, Arizona over "Apache Trail" Highway and Payson Highway.
	pring and pumped wells sufficient for domestic and operation use under presi conditions.
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29. Special Problems, I	Reports Filed
30. Remarks	

31. If property for sale: Price, terms and address to negotiate.

property to J. D. Hill or L. B. Foster, Tento Basin, Arizons.

Price \$131,000.60 - cash \$16,000.00 - balance \$500.00 per nonth.

/03/ J. D. M111 32. Signed.....

33. Use additional sheets if necessary.

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DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA MINE OWNER'S REPORT

Date 190

1. Mine Ord Mercury Mine

- 2. Location Address: Taxon Besin, Artista
- 3. Mining District & County

 Sile County
- 4. Former name
- 5. Owner Teroury Mines of American of Patented
- 7. Operator
- 9. President, Owning Co.
- 10. Gen. Mgr. L.E. Foster, Tonto Basing Arizona
- 11. Mine Supt. J. D. Hill (and Secretary)
- 12. Mill Supt.
- 13. Men Employed
- 18. Operations: Present

- 6. Address (Owner) Right Colin This
- 8. Address (Operator)
- 9A. President, Operating Co.
- 14. Principal Minerals V Cinneber
- 15. Production Rate
- 16. Mill: Type & Cap.
- 17. Power: Amt. & Type Furnice 60 MP Gesoline Compressore 100 MP Gesonline

Approx. 9 tone per der

Mining and furnacing everage July 28-2 tons per 24 hours.

- 19. Operations: Planned
- 20. Number Claims, Title, etc.

20 patented claims -- 10 claims under lease and spring option.

21. Description: Topography & Geography

See Pederal and State bulletins on this area.

22. Mine Workings: Amt. & Condition

Appron. 1000 ft. drifts and cross-cuts-100 ft. chafts

Geology & Mineralization The Messatsel Sense is composed almost entirely of pre-Cambrian erystalline rocks-granite rocks and erystalline solicis. The proveiling ty on are quarte a right schipt and Favilita. See State and Federal Duletins.

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Compared the Compared States of the

Dimensions and Value of Ore body

Mine, Mill Equipment & Flow-Sheet

Two mines and furnace fully equipped and operating Living ouerters-cent facilities.

Road Conditions. Route

40 miles from Photoix over Sush Hishuw SO milion from Sinbe, Arizona ever "Apache Trail" Highway and head and a Payeon Highway. The entropy of the service of the se

Water Supply

Spring and pumped wells sufficient for desertic and operation uses under normi conditions.

Brief History

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32. Signature 1813221 J. D. 1811

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA

MINE OWNER'S REPORT

Date August 1, 1940

	Date Hugust I, 1740
1. Mine Ord Mercury Mine	2 Location Address: Tonto Basin, Arizona
3. Mining District & County Brown Mining Dist.	
Gila County 4. Former name	
5. Owner Mercury Mines of American of Patented	6. Address (Owner) Highland, California
ClaimsW. V. Ranney 7. Operator	8. Address (Operator)
9. President, Owning Co.	9A. President, Operating Co.
10. Gen. Mgr. L.E. Foster, Tonto Basink Arizona	14. Principal Minerals Cinnabar
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18. Operations: Present	. game he may Compressors 100 HP Gasonline
Mining and furnacing average	
19. Operations: Planned	
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21. Description: Topography & Geography

See Federal and State bulletins on this area.

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Dimensions and Value of Ore body

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garaga. * Said Africa.

Mine, Mill Equipment & Flow-Sheet

Two mines and furnace fully equipped and operating redemnie de Living quarters-comp facilities of not a stand . . .

13. Fronte ment than I have go women you day J. b. Mill (and Sceretary)

Road Conditions, Route

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Remarks

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Price total \$31,000.00-cash \$16,000.00-Balance \$500.00 per month.

32. Signature (Signed) J. D. Hill

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA MINE OWNER'S REPORT

Date August 1, 1740

1. Mine

Gra Marcher Mine

2. Location

3. Mining District & County

Brown Mining Dist.

Gila wounty

4. Former name

- - Moreover Mines of American of Pataness Claiment. T. hazaay
- 9. President, Owning Co.
- 10. Gen. Mgr.
- 11. Mine Supt.
- 12. Mill Supt.
- 13. Men Employed

T-4339**-fiv**e

18. Operations: Present

- 6. Address (Owner)
- 8. Address (Operator)
- 9A. President, Operating Co.
- 14. Principal Minerals Cincoln
- 15. Production Rate

Approx. No time per der

- 16. Mill: Type & Cap.

17. Power: Amt. & Type Compressors 100 Ht Germaline

Mining and furnacing average July 18-1 tone per 24 hours.

- 19. Operations: Planned
- 20. Number Claims, Title, etc.

2) patented claims-10 claims unfor loss and parties outlos.

21. Description: Topography & Geography

Son Pederri and Stoke bullating on this area.

22. Mine Workings: Amt. & Condition

Approx. 4600 ft. drifts and prope-outs--600 ft. chafte Taluos con Tinzos.

Geology & Mineralization

The Manatack Hange is compact throst entirely of pre-Comprise dry stalling factor-granite rathe and dry stalling societe. The prevening by as are queris surjects school and Phyllite. See State and Polyllite. See State and Polyllite.

Ore: Positive & Probable, Ore Dumps, Tailings

There are a marker of shorting tailing consideration of the state of the st

Control of the Control

Dimensions and Value of Ore body

Mine, Mill Equipment & Flow-Sheet

Two minos and furnace fully equipped and operating the living quarters—can reclifies.

Road Conditions. Route

Fores Highest.

Water Supply

Soring and pumped wells outdictent for domestic and operation were under normal conditions.

Brief History

Property was partly developed by Arl was Entateliver Corp. in 1925-1927; then taken over by Kercury Missa of America who corried on additional development work encyroteced (12),000.00 in quickeliver in 1937-1929 and closed down in general ories of 1929.

Special Problems, Reports Filed

Remarks

redgenes all. A redgenes and consist on each of a

Call address to the State of

Commended transfer of the second

List Mandally watered that

If property for sale: Price, terms and address to negotiate.

32. Signature (51,32,83) 7. 5. 5111

B. Sevel Wings.

Ord Mercury Mine

100 Level

seare 1" 30' Sone 25, 45.

Tom J. Physic (()

News Items		Supplemental and the state of t
	Date	10/31/40
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Location	JLATE CRE	G.K.
Owner (ORD MERCUR	Y MAYER CO
Address	TONTO -	ARIZ
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Address	REPAIRING CA	INT FOR WINT
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Pres. 7	PER MONTH.	
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Mine Supt.	OF MERCURY	PER MONTH
Mill Supt.	INSTALLED I	YEN DIESEL
Principal Me	als Engine &	FUMP ON
	ed RATTLESIVA	
Production R	ate JINNING .	WOITHING SHI
Mill, Type &	Capacity ANOTH	EK 100 H.
Power, Amt.	& Type	
		To v

DEPARTMENT MIN ZUSCZEGODIOSOTT
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Neste Ilim bas, ao Date 5,4/26/40 egada ai
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Location On Slate Creek in Mazatzal Mts
Owner Ord Mercury Mines V handly how
Address Tonto Basin, Ariz
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Presen W. V. Ranney Kan warrange materior
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Tw Mines Suptraction (J. D. Hill)
cMill Supt to begind rejendent mo aterom
Principal Metals Quicksilver .ajasd finise
Men Employed About 20
Production Rate
Mill, Type & Capacity Furnace designed by
L.E. Foster. Capacity approx. 50 tons of
Power, Amt. & Type
Signed Control of the
(Over)

JOS DEPART	MENT OF MIN	ERAL INDIMUI	CES SEST
News Items	1.7	nal 50 feet	A . D
from the	noideobo Date	<u>rJuly 29,41</u>	940
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Location - On	Slate Creek,	near Tonto	Basin.
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		reigiadorea est	Spanner.
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Address: Franci	sene in Callif	ederso ot :	tro tra
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	L. E. Foster		
	/J. D. Hill		
Mill Supt.			
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Power, Amt.			
Power, Amt.			,

	The state of the s
	mines on Ord Group
in shape for produ	ction, and will star
mining ore from he	re within the next f
_days. Production	from the Rattlesnake
New Work Planned groun	is suspended and t
	mployed on developme
	ft will be sunk anot
50 feet in depth.	erating Co. Seme
생성하다 하나는 얼마나를 다고 건강하는데 다	ions have been entir
등의 이 등의 그렇게 하면 없었다. 하지 않아 없는	
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<u>regular recovery</u>	and shipments of qui
<u>silver are being</u>	made. With product
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Present Operations	Having sunk the shaft an
additional 50	feet and cross-cut to the
W	level, ed production from the
	roup has been resumed; and t
	ed to the production from the
and the second second second	d Ord Group. Work is
proceeding un	on a steady basis with the
furnace in co	ontinuous operation, and reg-
ular shipment	ts of quicksilver are being q
	purchasers in California portion
Miscl. Notes	
	P. 1985.
	Genl. Mgr. L. E. Foster
	line Sapt. J. D. Hill
and the Company of th	Mill Zapt.
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	Men Employed Aboub 50
	Production Rete 2 77 auto per day
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