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08/30/85

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: MIDNIGHT

ALTERNATE NAMES:

LEO AND GEMNI
MIDNIGHT GROUP

MOHAVE COUNTY MILS NUMBER: 28E

LOCATION: TOWNSHIP 19 N RANGE 20 W SECTION 17 QTR. NE
LATITUDE:N 35DEG 02MIN 23SEC LONGITUDE:W 108DEG 25MIN 22SEC
TOPO MAP NAME: OATMAN - 7.5 MIN

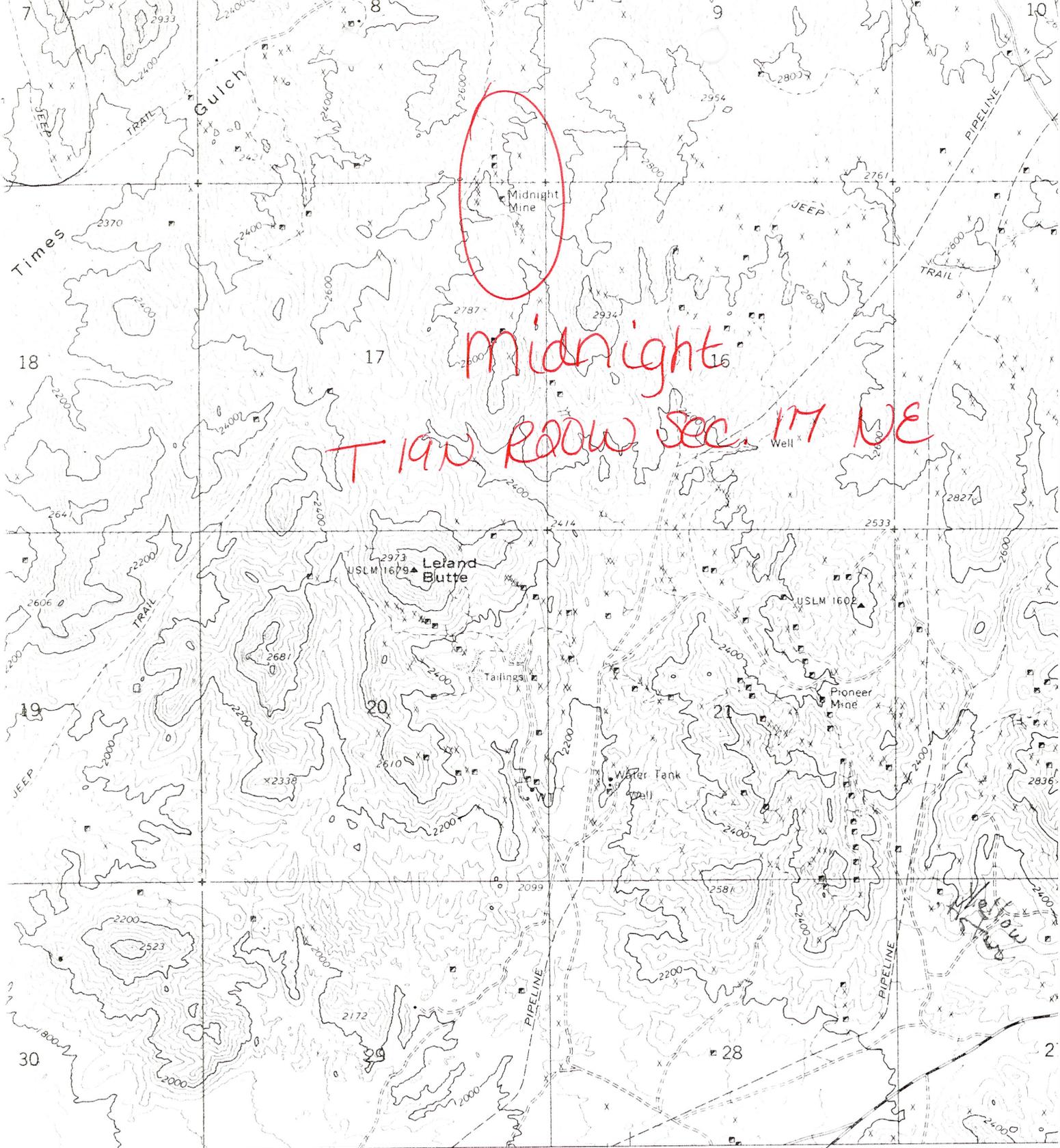
CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD-(M) LODE-PRIMARY
SILVER-COPRODUCT
MAGNESIUM-(M) BRUCITE-BYPRODUCT
CALCIUM-(M) CALCITE-BYPRODUCT

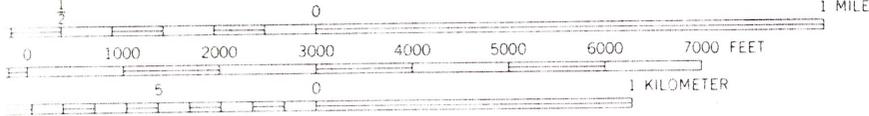
BIBLIOGRAPHY:

USGS OATMAN QUAD
ADMR HOUSEHOLDER MAP
ADMR MOHAVE CARD FILE
RANSOME, F.L., USGS BULL 743, P. 50-51
SCHRADER, F.C., USGS BULL 397, P. 194
ADMR MIDNIGHT GROUP MINE FILE
CUNNINGHAM & BUATLER, AZBM BULL 137, P. 96
GARDNER, E.D., USBM IC 6901, P. 39
SCHRADER, F.C., USGS BULL 340, P. 81
ERICKSEN, G.E., AZBM BULL 180, P. 322-323
ELEVATORSKI, E.A., ADMR AZ. IND. MIN. RPT. 2,
P. 43
ADDITIONAL WORKINGS SEC. 8, SESE, T19N-R20W



midnight
T 19N R00W SEC. 17 NE

SCALE 1:24 000



CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

Oatman 7.5'



QUADRANGLE LOCATION

MIDNIGHT

MOHAVE COUNTY

KAP WR 7/31/81: Jim Bock, Kingman, Phone 757-4130, reported he is operating the Midnight Mine in the Oatman area, Mohave County.

NJN WR 4/1/83: Ed Counselman, of Topeka, Kansas (Pinnacle Peak, Phone: 585-3523) called and reported that Midnight Gold Mining Co. had been mining at the Midnight Mine, Mohave County. Production was coming from an open pit operation between the Leo and Gemini shafts on a 3-4" vein that was running .4 - .8 oz/ton gold. The stripping ratio at present was about 3:1 waste to ore. The group has been producing a gravity concentrate of sulfides containing gold that runs about 40 oz to the ton. Az-Can refining had refined some of their material, but they are looking to produce the gold themselves in the future.

NJN WR 7/22/83: Jerry Matthews called from Vancouver B. C., Canada and reported purchasing the Midnight Property, Mohave County, consisting of 7 claims from Ed Counselman. He was forming a new company called Gold Stream Resources to develop them. Drilling is planned for this fall to delineate a possible ore body. The target is a 650' x 26' x 350' vein structure that it is hoped will average .15 oz Au/ton.

RRB WR 3/16/84: Connie Ohanesian, Securities Division, called to inquire if the Midnight Gold Mining Co. was operating a mine (Midnight Group, Mohave County). She has a report that Natural Resources Management has bought a 50% interest in the property.

More On Mohave Mountains Area

In the June issue was reported the Malach's visit with Duane Whimpey, BLM archaeologist, as guide, to the placer gold locations at the foothills of Mohave Mountains.

Now more information is added about those mining gold locations from the letter of Duane Whimpey to Roman Malach:

Dave Taelour is presently conducting placer testing and mineral assessment in portions of the NW $\frac{1}{4}$ of Section 28.

John F. Pasak has several claims in the foothills of Mohave Mountains, and he leased two to the Rick Mine Development in Section 30, and to CalSone Mining Company in NE $\frac{1}{4}$ of Section 30. These two operations were mentioned in the June issue.

Additional mining operations currently active in that area are: (1) Milton G. Full, portions of Section 6, T11N, R16W, where hard rock mining-exploratory drilling and mineral assessment work are in progress; (2) Standard Metal Corp. is doing similar work in portions of the NW $\frac{1}{4}$ of Sec. 21 and in portions of the NE $\frac{1}{2}$ of Sec. 20 in T10W, R18W, and (3) G.A.B.B. Mining is conducting mineral testing of existing tailings in Sec. 24, T14N, R19W.

All these mentioned operations are in the exploring-testing phase, and no actual production of gold took place.

Actual Mining Production

Malach listens to the people comments that "here or there mining is in progress", but, as yet, he has to find those mining locations, where gold or silver is actually produced.

Malach reported that the Iyro Mine-Mill are operational, but the mill encountered difficulties and modifications.

The Midnight Mine near Oatman is producing marketable ore and the owners are in progress of enlarging their mining operations.

At the Pinkham Mine by the foothills of the Cerbat Range, an experimental milling and processing work is in progress, but the management was not ready to disclose the details of their work at the Malach's last visit.

Reworking and re-milling of the Tennessee-Schuykill Mine dumps is in progress. The processed dump material is taken to the nearby mill. (P.M. 7/1/83)

Malach continues to report about those mining operations in Mohave County, and he was doing such work for a number of years.

Anyone interested in the Mohave County mines or mining, by mail, by telephone or in person makes contact with Malach for the needed information. Often Malach has to go with those people into the field, show the actual mining site, and help then in any other way.

This "mine and mining information center" work done for the past years made Malach, could be, most knowledgeable person on the Mohave County mining history.

Need For New Courthouse

After the turn of the century, the need for a new courthouse building was entirely different from the need of today. Here is that need explained in the May 11, 1912 issue of the "Miner":

"Mohave County is badly in need of a courthouse, the grand juries for many sessions past recommending the erection of commodious building and condemning the present structure. At the present time there is no safeguarding of the records of the county, which records are among the most important of any county in the State. These records date from the organization of the county in the early sixties and in perfect order (not any more, much of is lost). It would be a great loss to the people to have these records destroyed.

NAME: MIDNIGHT (L)

COUNTY: MOHAVE

Coatman 7 1/2

NE 8

T 19 N

R 20 W

SEC. 17

E/ 2600

DISTRICT: SAN FRANCISCO

Coatman 7 1/2

(COATMAN)

Mineralization:

Geology:

Type Operation:

50'
300' shaft?

Production:

References:

Roman Maloch (Coatman pg) USGS 397 p. 194

Mohave Cty Card File

BEN HARRISON MINES

Whitney Oregon

W.C. Fellows,
Manager,

April 20, 1914

Mr. J.H. Knight,
Kingman, Arizona.

Dear Mr. Knight:-

I beg to acknowledge receipt of your letter of March 17th, and hope that you will pardon my delay in answering, which was due to my being called away.

With reference to the Midnight Mine, the only information that I can give you is from the body of ore that I milled. From the 55 foot level to the surface we took out between \$30,000.00 and \$40,000.00, this ore had an average value of a little better than \$17.00 per ton, but as you know the Leland Co. were pushed for money and as fast as we accumulated any money from Midnight it was taken from us to pay some of Leland bills, and for this reason we were never allowed to spend any of our production on development work. We also opened up some fairly good ore on the 100 foot level but not being able to do development work I am not able to say but very little about this level. /NC

In my opinion some systematic development work will open a mine at the Midnight.

With kind personal regards to all, I am

Yours very truly,

(Signed) W.C. Fellows.

C-O-P-Y.

P.S. Above values are all figured at the old price of gold (\$20.67)
J.H.K.

Mr. J.H. Knight.
Kingman, Arizona.

Dear Sir:

I hand you herewith my report on the property of the MIDNIGHT CONSOLIDATED MINES COMPANY, in the San Francisco Mining district. More particularly, the group is situated in the TOM REED, GOLDROAD, division of the San Francisco mining district of Mohave County, in the State of Arizona.

The group consists of the following claims: Hazel, Midnight, Edison, Revenue, Revenue Annex, and Raven. See accompanying map.

In regard to transportation of Machinery and supplies, the properties are admirably situated; differing in this respect from many properties in the district. The nearest railroad Station at present is at Kingman, the County seat of Mohave County; the town being approximately twenty eight miles distant.

The title to the property is vested in the Midnight Consolidated Mines Company, duly organized under the laws of the State of Arizona.

The topography, at and in the vicinity of the property, is that of rather low rounded hills, rendering all parts of the estate easily accessible by wagon roads. The mean elevation above Sea Level of the group is approximately 2500 feet.

GEOLOGY. Quoting from Bulletin 397 U.S.G.S. on page 194; The country rock is given Chloritic Andesite. It is intruded by basic and acid dykes nearby, and is cut by a marked sheeting which trends North 10° W. and dips South 75° West. and by a close sheeting that dips steeply to the north. One of the basic dykes, a fine grained greenish rock about forty feet in width, forms the footwall. About three hundred feet ~~foot~~ northeast of the mine, on higher ground, occurs a closely banded bluish to light grey and greenish mottled two to three foot vein, composed of fine grained siderite, containing some lime and manganese. It resembles Rhyolite with banded or flow structures; and may have replaced a dyke in the fissure it now occupies.

The MIDNIGHT VEIN, which is the footwall member of a north south lode 100 feet wide, strikes north 150° W. and dips $30-40^{\circ}$ W. It is it is about $3\frac{1}{2}$ feet wide and consists principally of Quartz with some Calcite, Fluorite, and Andalusia. its footwall portion for a width of three or four inches, contains crudely banded red and green Fluorspar, and toward the footwall the quartz becomes dark, and dense, and of a flinty nature; and contains a few crystals of Pyrite.

Continuing the discussion of the local vein Geology, the writer observed, that the lode system outcrops prominently. The Lode is readily and easily traceable for a distance of one thousand feet by outcrops alone. The footwall member of the lode system, is the only one that has been developed, and that only to a very limited extent. The lode in reality consists of several conjugate members of converging dips. The significance of this occurrence is, that

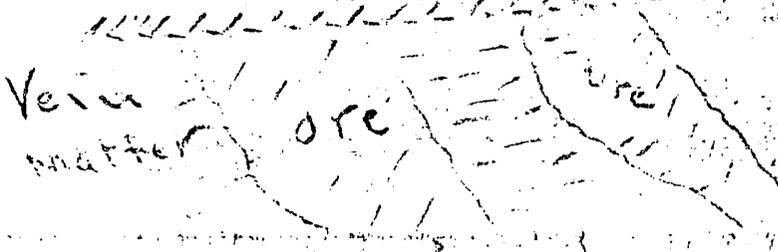
Slater
INB

#2
From a consideration of the profile of the vein outcrop, Plate 1. it will be noticed that the incline shaft is located at an elevation of 2550 feet. Ore was found on the surface at this point, and also at this point the erosion was marked.

In forecasting probabilities of Ore occurrences on other portions of the vein, this fact should be born in mind; one would not expect ore until this horizon would be reached by development work. This is assuming that the vein was of uniform size, and about the same degree of porosity. If the vein at other points is found upon development, to be more open and porous, we must expect the effects of leaching, to extend to a greater depth; with consequent result that the Ore horizon would be deeper.

All reports from credible sources, agree, that the Ore taken from the Stope, on the fifty foot level, was a very good grade; no efficient or extensive prospect work was done below that level.

It has been the writers experience with Ore chutes in the district, that they usually have a considerable rake or inclination along the strike of the vein; often times the angle is very flat for instance, the following sketch will indicate the point.



No extensive lateral work was done below the fifty foot level of the incline shaft; So the data concerning the ore taken out in stoping, is inconclusive. In fact all of the previous work done on the property was clearly that of tyros.

The outcrops show considerable Manganese Dioxide; The presence of this mineral indicates a leaching of the minerals from the outcrop. The erosion at the 300 foot incline, cut below the zone of leaching at this point, exposing the ore carrying commercial values in Gold. It should be the object of future development, to get below this leached zone.

The Ores that will be developed on the property should yield readily to the district methods of treatment now in vogue; namely, Cyanidation. It is a noted fact in this connection, THAT NO WHERE IN ANY DISTRICT IS THE CYANIDE PROCESS MORE EFFICIENT, THAN IN THIS DISTRICT. THE METALURGICAL RECOVERY OF ~~THE~~ OF THE GOLD CONTENTS BEING PRACTICALLY PERFECT. THE TAILING LOSSES BEING NEGLIGABLE.

In conclusion allow me to state that the properties as a whole, meritt further extensive prospecting and development.

Respectfully submitted.

(Signed) S.S. Jones. P.M.

MIDNIGHT GOLD CLAIMS
Oatman District
Arizona.

GEMINI:-

The Gemini claim has an incline shaft 300 feet deep.

A 20 foot crosscut at the bottom of this shaft showed 4 feet of ore that averaged \$14.00. The crosscut did not get through the ledge.

On the 50 foot level there is a drift North 55 feet and a drift South 62 feet with face in ore.

On the 100 foot level there is of about 90 feet N.E. with 5 feet of ore in face and top of drift, also a drift South on this level about 50 feet. *ORE*

LEO:-

The Leo claim has a vertical depth of 100 feet. It is located about 600 feet from the Gemini shaft on the same ledge. It was claimed by Joe Krauss, who worked in this shaft, that the shaft hit the ore at 50 feet and went through it in 35 feet with ore averaging around \$35.00. A crosscut on the 100, of about 20 feet did not get through the ledge ore averaged around \$6. to \$8.



T 19N, R 20W - Oatman Quad

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

Date December 10, 1946

1. Mine MIDNIGHT GROUP OF CLAIMS

2. Location Sec. 8, 9, 17, 16, T 19 N,
R 20 W. 1/2 mi. NW of Oatman, Ariz.

. Mining District & County Oatman section of San Francisco
Mining District, Mohave County

. Former name

. Owner ✓ J. H. Knight

6. Address (Owner) Box 444, Kingman, Ariz.

. Operator

8. Address (Operator)

. President, Owing Co.

9A. President, Operating Co.

. Gen. Mgr.

14. Principal Minerals Gold

. Mine Supt.

15. Production Rate

. Mill Supt.

16. Mill: Type & Cap.

. Men Employed

17. Power: Amt. & Type

. Operations: Present

. Operations: Planned

. Number Claims, Title, etc. 7 lode claims, surveyed for patent.

. Description: Topography & Geography

Rolling ground, no steep pitches, well adapted
for camp sites, adequate dump sites for waste
rock from mine operations.

Mine Workings: Amt. & Condition See attached.

Ore: Positive & Probable, Ore Dumps, Tailings

A. Dimensions and Value of Ore body See attached.

Mine, Mill Equipment & Flow-Sheet

Road Conditions, Route Good.

Water Supply There is on the ground sufficient water for early stages of operation.

Brief History See attached.

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate. Prefer giving a long term lease.

32. Signature..... J. H. Knight

Use additional sheets if necessary.

MIDNIGHT GROUP OF CLAIMS

The Midnight Group consists of seven claims located in the Oatman section of the San Francisco Mining District, Mohave County, Arizona, about $1\frac{1}{2}$ miles N.W. of Tom Reed and United Eastern Mines, at an altitude of 2500 feet. Distance from U.S. paved highway 66 to the mines is four miles, to Tom Reed Mill six miles. Auto Truck can be driven direct to the property. Power line is within three miles.

The main vein is the footwall member of N.S. Lode 100 feet wide. There are at least 3 distinct veins within the mineralized zone varying in width from 4 to 8 feet between walls.

The Leo and Gemini of this group are located on the main vein. The outcropping can be plainly traced for 1500 feet. The Leo has produced around \$40,000.00. This ore was stoped from the 55 foot level to near the surface and averaged \$17.00. The ore schute from which this was taken was 120 feet long. The shaft was continued to the 100 where a streak of ore was broken into that run \$100.00. There is about 150 feet of drifting on this level, face of North drift is in ore. A crosscut of 40 feet did not get through the ledge. This shaft was afterward sunk to the 300. Ore taken from the shaft in sinking run from \$7.00 to \$14.00. At the bottom of this shaft a crosscut was driven 20 feet without reaching the hanging wall. Four feet of this crosscut ran \$8.00. This is an incline shaft with a vertical depth of 175 to 200 feet. Inaccessible at present on account of surface water.

The Gemini has a vertical shaft 100 feet deep located about 600 feet from Leo shaft, on same ledge. This shaft hit the ore at a depth of 50 feet and went through it in 35 feet. Values claimed for this ore was \$35.00. On a crosscut of 30 feet at the bottom of this shaft, average was claimed to be around \$5.00. This crosscut did not get through the ledge.

The vein is a true fissure, in the Oatman Andesite which is the productive formation at the Tom Reed and United Eastern Mines, the big producers of the district.

* Gold @ \$20.07/g

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

Date December 10, 1946

1. Mine: MIDNIGHT GROUP OF CLAIMS.
2. Location: Sec. 8, 9, 17, 18 Twp. 19 N Range 20 W Nearest Town Oatman
Distance land 1/2 Direction N.W. Road Condition Good
3. Mining District & County: Oatman section of San Francisco Mining District
4. Former Name of Mine: _____
5. Owner: J.H. Knight
Address: Box 444, Kingman, Arizona.
6. Operator: _____
Address: _____
7. Principal Minerals: Gold
8. Number of Claims: Seven Lode Lode Placer _____
Patented Surveyed for patent Unpatented _____
9. Type of Surrounding Terrain: Rolling ground, no steep pitches, well adapted for camp sites, adequate dump sites for waste rock from mine operations.
10. Geology & Mineralization: Oatman Andesite, which is the productive formation at Tom Reed and United Eastern properties at Oatman.
11. Dimension & Value of Ore Body: See attached

Attached hereto are the following,

- 1 — U.S. Government report of F.C. Schraeder 1907
- 2 — Preliminary report of S.S. Jones, E.M.
Mr. Jones discovered the ore in the TOM REED MINE,
was its Supt. and manager for the next eight years
when the big production was made.
- 3 — Copy of letter from W.C. Fellows, Supt. of MIDNIGHT
MINE whwn ore extraction was made.
- 4 — Copy of mill returns from ore shipped from Mineto
Tom Reed Mill in 1934 and 1935 by Leasers.
- 5 — Supplemental report by S.S. Jones.
- 6 — Data concerning location, development, and values.
- 7 — Blue Print of seven claims contained in group.

MIDNIGHT MINE

Now
LEO & GEMNI.

Located in Oatman Section of San Francisco Mining District
Mohave County Arizona.

From report made on page 194 of Mineral Deposits of the Cerbat Range, Black Mountains, Grand Wash Cliffs of Mohave County, Arizona. By F.C.Schraeder. (Report made in 1907.)

The Midnight Mine is situated in the hills $1\frac{1}{2}$ miles north west of Vivian, at an elevation of 2,500 feet, and is accessible by wagon road. It is owned by the Mohave Gold Mining Company, and has been productive moderately since about 1900. For some time it paid the running expenses of the Leland Mine which were large.

The mine is developed to a depth of 50 feet by inclined shaft, drifts and stopes and is equipped with a gasoline hoist; the management has just begun sinking the shaft 300 feet deeper.

The Country rock is the green chloritic andesite, it is intruded by basic and acidic dykes near by and is cut by a marked sheeting which trends north 10 w and dips 75 West and by a close cross sheeting which dips steeply to the north. One of the Dykes, a finer grained greenish rock, about 40 feet in width, forms the footwall. About 300 feet northeast of the mine, on higher ground, occurs a closely banded bluish to light grey and green mottled 2 to 3 feet vein composed of fine grained siderite containing some lime and manganese. It resembles rhyolite with bands or flow structures and may have replaced a dyke, in the fissure it not occurs.

The midnight vein, which is the footwall member of a North South lode 100 feet wide, strikes N 15 W. and dips 30 40 W. it is about $3\frac{1}{2}$ feet wide, and consists principally of quartz with some calcite, flourite and adularia, contains crudely banded red and green flourspar, and toward the footwall the quartz becomes dark and dense, of a flinty nature, and contains a few crystals of pyrite.

The vein has been worked from the surface almost to the bottom of the mine, and longitudinally for a distance of 120 feet, mainly on the south side of the shaft, and in extent has averaged about \$18.00 a ton in gold. the production has been considerable for a mine of its size, that on one side of the shaft alone amounting to \$1800.0000.

REPORT ON GEMINI AND LEO MINES.

Location.

The claims are located in the Oatman Section of the San Francisco mining district, Mohave County State of Arizona, thirty one miles from the town of Kingman which is the County Seat.

ACCESSIBILITY.

The claims being situated in an open section of the district are easily accessible. An Auto or truck can be driven directly to the property.

TOPOGRAPHY.

The claims are situated on rolling ground, there are no very steep pitches or declivities. This type of terrain is well adapted for camp sites, while at the same time affording adequate dump sites for waste rock from mine operation.

CLIMATE.

The climate is that of moderate altitude and semi arid conditions and is such that mining work can be conducted at all seasons with a minimum of interference owing to weather conditions.

ALTITUDE.

The claims are situated at an altitude of 2500 feet above Sea level.

TRANSPORTATION.

Mining supplies for the district are brought from Kingman on the main line of A.T. and Santa Fe R.R. by means of Auto Trucks. The cost of supplies delivered on the ground would be approximately nine dollars per ton.

POWER

In the initial stages of development it would be advisable to use internal combustion engines for power purposes. For large scale operations the district is already provided with power lines from the Desert Power and Water Company of Kingman; One of whose branch lines is located near the property.

WATER

There is on the ground sufficient water for early stages of operation. Water for milling operations could be probably developed in the mines themselves; That failing ample water could be had from natural sources nearby.

#2.

GEOLOGY.

The rock formation at the mines are broadly classed as the Tertiary volcanic rocks . The particular type present being known as the Oatman Andesite, which is the productive formation at the Tom Reed and United Eastern properties at Oatman. The Oatman andesite is locally cut by a basic dyke of later age which forms the footwall of the vein.

VEINS.

There are several veins on the property which occur as paralell veins in a lode formation which is about a hundred feet wide. The vein filling consists of quartz , calsite, and adularia which is a potash feldspar. The original vein filling was calsite., At a later period the fissure was reopened allowing the introduction of the solutions which deposited the quartz and gold. The Ore is valuable on account of its gold and silver content. The relative proportion of these metals in the ore is two ounces of gold to one of silver . The veins are true fault fissure veins.

METALLURGY.

The ores are readily treated by the process now in vogue in the district, namely, that of fine grinding and Cyaniding.

Production records for the mines in the district are approximately as follows.

United Eastern=	14,000,000.
Tom Reed	14,000,000
Goldroad	8,000,000
Moss	5000000
	<hr/>
	36,500,000

The production from the LEO and GEMINI claims, are estimated at \$30,000 above the fifty foot level.

In conversation with those who worked in the three hundred foot shaft, that the vein at the bottom of the shaft was very wide and that there was four feet of ore on the footwall that assayed eight dollars per ton . also that beyond this point a crosscut was driven twenty feet without having reached the hanging wall of the vein .

Also that in sinking the hundred foot shaft , that at a depth of fifty feet \$35.00 ore was encountered, the ore in the crosscut at the bottom of this shaft will assay between four and five dollars per ton.

A favourable opinion of the property was gained by the writer after having gone over the ground carefully and examined the vein structure and the enclosing wall rocks.

The vein in every respect is of a type normal to the district and shows the same general structure as the producing veins elsewhere in the district. These facts taken in conjunction with the fact that the property has had considerable production, recommends the group as one that offers a very attractive opportunity for legitimate mine development.

S.S.Jones

Where now worked in the bottom of the mine the ore is of low grade about \$7.00 in gold to the ton, and consists of a mixed Or partly altered soft country rock traversed by stringers and veinlets of calcite and quartz.

C O P Y

April 29 1914

Mr. J.H.Knight#
Kingman, Arizona.

Dear Mr. Knight:-

I beg to acknowledge receipt of your letter of March 17, and hope that you will pardon the delay in answering, which was due to my being called away.

With reference to the Midnight Mine, the only information that I can give you is from the body of ore that I milled. From the 55 foot level to the surface we took out between \$30,000.00. and \$40,000.00. this ore had an average value of a little better than \$17.00 per ton, but as you know the Leland Co, were pushed for money and as fast as we accumulated any money from the Midnight it was taken from us to pay some of the Leland bills, and for this reason we were never allowed to spend any of our production on development Work, We also opened up some fairly good ore on the 100 foot level but not being able to do development work I am not able to say but very little about this level.

In my opinion some systematic development work will open a mine at the midnight.

With kind personal regards to all, I am

Yours very truly,

W.C.Fellows.

ORE SHIPMENTS-MIDNIGHT MINE.

<u>DATE</u>	<u>NET DRY TONS</u>	<u>SETTLB- NET VALUE</u>	<u>GROSS MILL REVENUE</u>	<u>MILL DEDUCTIONS</u>	<u>NET VALUE</u>	<u>PER CENT ROYALTY</u>	<u>R ROYALT</u>
10/24/34	4297	15.51	\$657.87	\$ 207.90	\$449.97	15%	\$6889
1/26/35	26.14	17.67	461.89	129.84	332.05	15%	69.28
3/15/35	35.04	12.60	441.50	164.53	277.14	9%	39.74
4/12/35	53.28	22.75	1,212.12	279.49	932.63	20%	242.42
5/28/35	55.42	21.00	1,165.29	283.76	879.53	20%	235.06
10/2/36	32.33	14.70	475.25	153.08	322.17	10%	47.52
122/23/36	29.62	10.41	308.34	133.90	174.44	10%	30.85

Dump

Dump

Dump

MIDNIGHT GROUP OF CLAIMS

The Midnight Group consists of Seven Claims located in the Oatman section of the San Francisco Mining District, Mohave County, Arizona, about 1 1/2 miles N.W. of the Tom Reed and United Eastern Mines, at an altitude of 2500 feet. Distance from paved highway 66 to the mines four miles, to Tom Reed Mill six miles. Auto Truck can be driven direct to the property. Power Line is within 3 miles.

The main vein is the footwall member of N.S. Lode 100 feet wide. There are at least 3 distinct veins within the mineralized zone, varying in width from 4 to 8 feet between walls.

The LEO and GEMINI of this group are located on the main vein. The outcropping can be plainly traced for 1500 feet. The Leo has produced around \$40,000.00. This ore was stoped from the 55 foot level, to near the surface and averaged \$17.00 at the old price of gold. The ore chute from which this ore was taken was 120 feet long and 3 feet wide. The shaft was continued to the 100 foot level where a streak of ore was broken into that run \$100.00. A crosscut was afterwards run on this level 40 feet which did not get through the ledge. This shaft was afterwards sunk to the 300. Ore taken from shaft in sinking run from \$7.00 to \$14.00. At the bottom of this shaft a crosscut was run where the vein is very wide. This crosscut was driven 20 feet without reaching the hanging wall. 4 feet of this crosscut run \$8.00.

The GEMINI has a vertical shaft 100 feet deep located about 600 feet from Leo shaft, on same vein. This shaft hit the ore at 50 feet and went through it in 55 feet. This ore averaged \$35.00. A crosscut of 20 feet at bottom of this shaft did not through the ledge. Values around \$5.00.

The vein is a true fissure, in the Oatman Andesite, which is the productive formation at Tom Reed and United Eastern Mines, the big producers of the district.

Sufficient water is on the ground for early stages of operation. Water for milling operations could probably be developed in the mines.

All values quoted above are based on the old price of gold, \$20.67

Lensers shipments of low grade ores as shown in mill returns, were taken from the dump which came out of shaft in sinking from 100 to 300 foot level. No ore has been stoped below the 100. Any ore below this level is still in tact.

J.H.Knight.

S U P P L E M E N T A L
REPORT

Number of claims seven, which are held by annual assessment.

Claims not having been operated for sometime, the workings are under water.

The veins strike northwest and dip at angles varying from forty-five to eighty degrees from the horizontal. The dip is southwest.

The term lode was given to the deposit by a government Geologist who reported upon the district. There are at least three distinct veins within the mineralized zone varying in width from four to eight feet between walls.

The ores produced by the properties in the past was free milling, or we had best say free cyaniding, for that is the standard method of working the ores of the district.

The ores of the property being of the same mineral and structural composition as ores elsewhere in the district such as the Goldroad, Tom Reed, Eastern and other past and present producers, will offer no difficulty in treatment by the cyanide process.

The outcrop of the vein can be traced on the surface for great distances.

The outcrop of the veins show considerable Manganese oxide, which in this district indicates leaching of the values of the outcrop. The record of the producing mines clearly indicates that the ores whose value is predominately gold, occur in chutes along the strike of the vein, in other words the values are localized, development of the veins both laterally and on the dip is the only way to prove up these ore chutes.

The veins are located in the Oatman Andesite which is the prevailing rock in the productive areas of the district.

The claims are situated two miles west and one mile north of the town of Oatman, and a mile and a half due west from the crown city group owned by the Tom Reed Company.

Copy of S.S. Jones, E.M. supplementary report.
March 1929.

Secret Pass Consolidated Mines Co.

Incorporated Under the Laws of Arizona.

CAPITAL STOCK 1,000,000 SHARES

TREASURY 600,000 SHARES

Par Value 10c. Fully Paid and Non-As-
sessable

Executive Office, Kingman, Arizona.

Mines at Secret Pass.

OFFICERS

O. T. James - President-General Manager
Kingman, Arizona
J. W. Stalker - - - - Vice-President
Kingman, Arizona
H. W. Griffith - - - Secretary-Treasurer
Kingman, Arizona

THE PROPERTY

The mining property of this company, consist of 4 claims, aggregating approximately 80 acres, namely the Midnight, Early Bud, Parisian and Orphan Fraction.

THE LOCATION

The property is located in Secret Pass section of the San Francisco or Oatman mining district, Mohave County, Arizona, 22 miles westerly from Kingman, Arizona and 6½ miles northerly from Oatman.

GEOLOGY

The Secret Pass District is similiar in the formation to Cripple Creek, Colo., rhyolite, andesite, phenolite and porphyry predominating.

The ore enrichment is usually found on the contacts of rhyolite and andesite, both walls carrying about equal values, although where the rhyolite is highly silicified the surface values are better than those occurring in the andesite.

The rhyolites are floes and the andesites are intrusive.

One of the most eminent Geologists in the mining world said, after a thorough examination of the property, that the main contact vein of the property, will go to an indefinite depth.

ACCESSIBILITY

The property is easy of access as a wagon road crosses one claim and is traveled daily by auto. There is also sufficient water on the property for domestic purposes and there is indication that by development in a small way sufficient water could be gotten to operate a mill.

VEIN SYSTEM

The property is in the Famous Orphan contact, and adjoins the Orphan on the north. This Orphan claim is at present being operated under a lease and bond, by O. T. James, J. W. Stalker and Paul Morton. Mr. James put a 2-stamp mill on the Orphan and has up to the present produced 8 gold bricks, reference to which may be found in

the Dec. 11, 1915 issue of the Mining & Engineering World, of Chicago. The remarkable showing made by Mr. James since he began the operation of the property and milling of high grade ore in a two-stamp Tetrault mill less than 3 months ago has been the means of attracting no little attention to the Secret Pass section. James recently shipped to the United States Mint at San Francisco, a bar of bullion weighing 53 ozs and valued at approximately \$15 dollars per oz. It was the fifth shipment made by him. The aggregate weight of all shipments thus far is 203 ozs.

The contact is from south-west to north-east and has the same strike as the Famous Tom Reed ore body.

The Parisian claim on which the Secret Pass Consolidated Mines Co. has started a perpendicular working shaft, is on the same contact vein that traverses the Orphan.

Other strong features give this property the earmarks of a mine. The management expects to sink as long as they see gold in its pannings and firmly thinks it will get a producer at 150 foot depth.

We solicit your personal investigation of the property and; if you desire a block of the stock, it can be secured at 10c per share, through the Citizens Bank at Kingman, Arizona.

EXHIBIT "B".

LOCATION

The property consists of four unpatented mining claims situated in the San Francisco Mining District, Mohave County, Arizona, to the northwest of the Town of Oatman and in the same mineral bearing zone.

GEOLOGY

In describing the geological conditions of this section of this mining district, all data must be taken from a superficial examination as no development work has been done on any of the claims of this group.

The formation consists of andesite and porphyry dykes intersected by veins of calcite and quartz running nearly at right angles to the formation. There are two very strong outcrops of quartzite on this property that traverses the entire width of the claims; one of these shows on the north end of the property and one on the south end and it is my opinion that at the points of intersection of the veins as indicated on the surface with the quartzite will prove to be on exploration the points at which the quartz mineral deposition will be found. There is a discovery shaft 10 feet deep on the "MAY DAY" claim near the north end line that shows some small stringers of quartz and silicified country rock that show free gold in the pan; assays from the shaft run from \$4.00 to \$25.00 per ton.

The general conditions are favorable for the discovery of ore of commercial value on this property and as a vast amount of the surface has been eroded it is very likely that ore will be found in this section of the district at a very much more shallow depth than in that section of the district to the southwest or in Oatman proper. While on the surface the rocks of the dykes are decomposed in places they show some silicification and the dykes may prove to be the source of the enrichment in the veins and at the points where the veins cut through or come up to the dykes, ore of commercial value should be found.

The most favorable feature of this section of the country is the presence of the large porphyry dykes and the contact between the andesite and the porphyry is well-defined wherever it is exposed, and while the veins cross the dykes yet the conditions for mineral deposition along these contacts are favorable and with depth the contacts may prove to be productive of veins containing commercial value.

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
Central Building, Fairgrounds
PHOENIX, ARIZONA

REASON CHECKED
Unclaimed
Unknown
Insufficient address
Moved. Left no address
No such office in state
Do not mail in this month
POSTAGE DUE 2 CENTS

DELIVERED TO
D.WAITER
Case

Mr. J.H. Knight
Box 111
Kingman, Arizona

June 1958

ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

June 4, 1958

To the Owner or Operator of the Arizona Mining Property named below:

KNIGHT
Midgroup Group (Mohave County) Gold
(Property) (ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

MIDNIGHT

MOHAVE COUNTY

KAP WR 7/31/81: Jim Bock, Kingman, Phone 757-4130, reported he is operating the Midnight Mine in the Oatman area, Mohave County.

NJN WR 4/1/83: Ed Counselman, of Topeka, Kansas (Pinnacle Peak, Phone: 585-3523) called and reported that Midnight Gold Mining Co. had been mining at the Midnight Mine, Mohave County. Production was coming from an open pit operation between the Leo and Gemini shafts on a 3-4" vein that was running .4 - .8 oz/t \acute{o} n gold. The stripping ratio at present was about 3:1 waste to ore. The group has been producing a gravity concentrate of sulfides containing gold that runs about 40 oz to the ton. Az-Can refining had refined some of their material, but they are looking to produce the gold themselves in the future.

NJN WR 7/22/83: Jerry Matthews called from Vancouver B. C., Canada and reported purchasing the Midnight Property, Mohave County, consisting of 7 claims from Ed Counselman. He was forming a new company called Gold Stream Resources to develop them. Drilling is planned for this fall to delineate a possible ore body. The target is a 650' x 26' x 350' vein structure that it is hoped will average .15 oz Au/ton.

RRB WR 3/16/84: Connie Ohanesian, Securities Division, called to inquire if the Midnight Gold Mining Co. was operating a mine (Midnight Group, Mohave County). She has a report that Natural Resources Management has bought a 50% interest in the property.

NAME: MIDNIGHT (K)

COUNTY: MOHAVE

Catman 1/2

NE 8

T 19 N

R 20 W

SEC. 17

E/ 2600

DISTRICT: SAN FRANCISCO

Catman 1/2

(COATMAN)

Mineralization:

Geology:

Type Operation:

50'
300' shaft?

Production:

References:

Roman Malach (Catman pg) USGS 397 p. 194

Mohave Cty Card File

May 27, 1957

MIDNIGHT GROUP

MOHAVE COUNTY
SAN FRANCISCO DIST.

No information on this property.

MARK GEMMILL

See: ABM Bull 137 pp 96-97

U.S.G.S. Bull 743 821 C pp 50-51

U.S.G.S. Bull 397 p194

ABM Bull. 131, p. 112, Pl. I

USGS Prof. Paper # 318 - Page 103

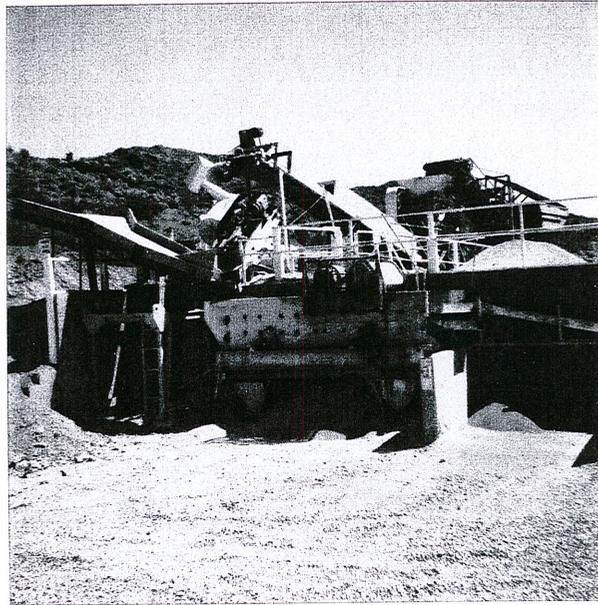
106901 p. 39

(Leland Mine)

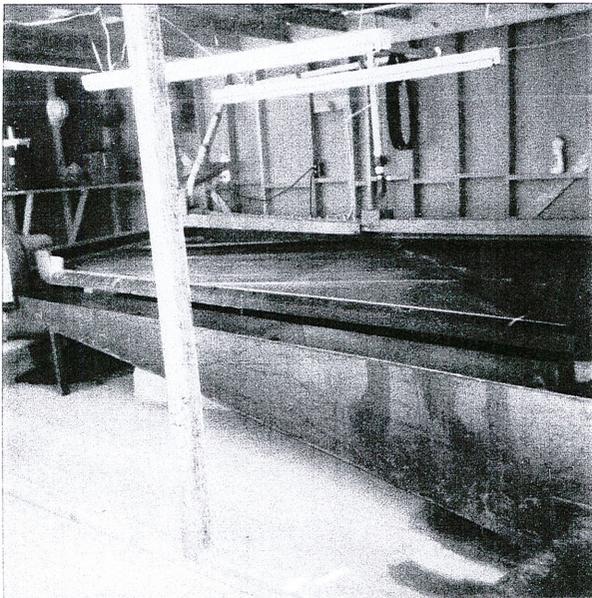
Kingman Mining Project - 1 claim map

See: Roman Malach's Booklet "Cerberat Mtn. Country", Page 29,
JHJ's office.

TEMPORARY COPY, ORIGINALS BEING SCANNED



Midnight Mine 4/15/83



Midnight Mine 4/15/83



Midnight Mine 4/15/83

BEN HARRISON MINES

Whitney Oregon

W.C. Fellows,
Manager,

April 20, 1914

Mr. J.H. Knight,
Kingman, Arizona.

Dear Mr. Knight:-

I beg to acknowledge receipt of your letter of March 17th, and hope that you will pardon my delay in answering, which was due to my being called away.

With reference to the Midnight Mine, the only information that I can give you is from the body of ore that I milled. From the 55 foot level to the surface we took out between \$30,000.00 and \$40,000.00, this ore had an average value of a little better than \$17.00 per ton, but as you know the Leland Co., were pushed for money and as fast as we accumulated any money from Midnight it was taken from us to pay some of Leland bills, and for this reason we were never allowed to spend any of our production on development work. We also opened up some fairly good ore on the 100 foot level but not being able to do development work I am not able to say but very little about this level. /nc

In my opinion some systematic development work will open a mine at the Midnight.

With kind personal regards to all, I am

Yours very truly,

(Signed) W.C. Fellows.

C-O-P-Y.

P.S. Above values are all figured at the old price of gold (\$20.67)
J.H.K.

Mr. J.H. Knight.
Kingman, Arizona.

Dear Sir:

I hand you herewith my report on the property of the MIDNIGHT CONSOLIDATED MINES COMPANY, in the San Francisco Mining district. More particularly, the group is situated in the TOM REED, GOLDROAD, division of the San Francisco mining district of Mohave County, in the State of Arizona.

The group consists of the following claims:
Hazel, Midnight, Edison, Revenue, Revenue Annex, and Raven.
See accompanying map.

In regard to transportation of Machinery and supplies, the properties are admirably situated; differing in this respect from many properties in the district. The nearest railroad Station at present is at Kingman, the County seat of Mohave County; the town being approximately twenty eight miles distant.

The title to the property is vested in the Midnight Consolidated Mines Company, duly organized under the laws of the State of Arizona.

The topography, at and in the vicinity of the property, is that of rather low rounded hills, rendering all parts of the estate easily accessible by wagon roads. The mean elevation above Sea Level of the group is approximately 2500 feet.

GEOLOGY. Quoting from Bulletin 397 U.S.G.S. on page 194; The country rock is given Chloritic Andesite. It is intruded by basic and acid dykes nearby, and is cut by a marked sheeting which trends North 10° W. and dips South 75° West. and by a close sheeting that dips steeply to the north. One of the basic dykes, a fine grained greenish rock about forty feet in width, forms the footwall. About three hundred feet ~~foot~~ northeast of the mine, on higher ground, occurs a closely banded bluish to light grey and greenish mottled two to three foot vein, composed of fine grained siderite, containing some lime and manganese. It resembles Rhyolite with banded or flow structures; and may have replaced a dyke in the fissure it now occupies.

The MIDNIGHT VEIN, which is the footwall member of a north south lode 100 feet wide, strikes north 100° W. and dips $30-40^{\circ}$ W. It is about $3\frac{1}{2}$ feet wide and consists principally of Quartz with some Calcite, Fluorite, and Andalusia. its footwall portion for a width of three or four inches, contains crudely banded red and green Fluorspar, and toward the footwall the quartz becomes dark, and dense, and of a flinty nature; and contains a few crystals of Pyrite.

Continuing the discussion of the local vein Geology, the writer observed, that the lode system outcrops prominently. The Lode is readily and easily traceable for a distance of one thousand feet by outcrops alone. The footwall member of the lode system, is the only one that has been developed, and that only to a very limited extent. The lode in reality consists of several conjugate members of converging dips. The significance of this occurrence is, that

Stat
1/18

MIDNIGHT GOLD CLAIMS
Oatman District
Arizona.

GEMINI:-

The Gemini claim has an incline shaft 300 feet deep.

A 20 foot crosscut at the bottom of this shaft showed 4 feet of ore that averaged \$14.00. The crosscut did not get through the ledge.

On the 50 foot level there is a drift North 55 feet and a drift South 62 feet with face in ore.

On the 100 foot level there is of about 90 feet N.E. with 5 feet of ore in face and top of drift, also a drift South on this level about 50 feet. *ORE?*

LEO:-

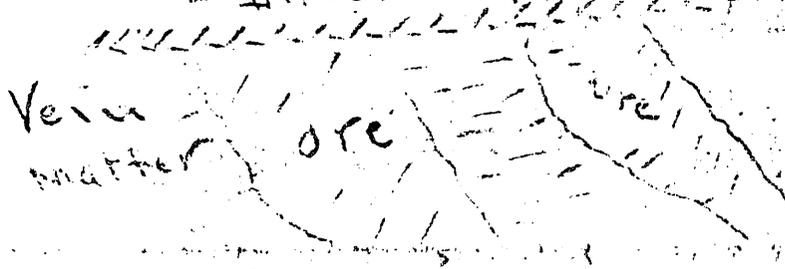
The Leo claim has a vertical depth of 100 feet. It is located about 600 feet from the Gemini shaft on the same ledge. It was claimed by Joe Krauss, who worked in this shaft, that the shaft hit the ore at 50 feet and went through it in 35 feet with ore averaging around \$35.00. A crosscut on the 100, of about 20 feet did not get through the ledge ore averaged around \$6. to \$8.

From a consideration of the profile of the vein outcrop, Plate 1. it will be noticed that the incline shaft is located at an elevation of 2550 feet . Ore was found on the surface at this point, and also at this point the erosion was marked.

In forecasting probabilities of Ore occurrences on other portions of the vein, this fact should be born in mind ; one would not expect ore until this horizon would be reached by development work. This is assuming that the vein was of uniform size, and about the same degree of porosity. If the vein at other points is found upon development, to be more open and porous, we must expect the effects of leaching, to extend to a greater depth; with consequent result that the Ore horizon would be deeper.

All reports from credible sources , agree, that the Ore taken from the Stope, on tthe fifty foot level, was a very good grade; no effecient or extensive prospect work was done below that level.

It has been the writers experience with Ore chutes in the district, that they usually have a considerable rake or inclination along the strike of the vein.; often times the angle is very flat fo instance, the following sketch will indicate the point.



No extensive latteral work was done below the fifty foot level of the incline shaft; So the data concerning the ore taken out in stoping, is inconclusive. In fact all of the previous work done on the property was clearly that of tyros.

The outcrops show considerable Manganese Dioxide; The presence of this mineral indicates a leaching of the minerals from the outcrop. The erosion at the 300 foot incline, cut below the zone of leaching at this point, exposing the ore carrying commercial values in Gold. It should be the object of future development, to get below this leached zone.

The Ores that will be developed on the property should yield readily to the district methods of treatment now in vogue; namely, Cyanidation. It is a noted fact in this connection, THAT NO WHERE IN ANY DISTRICT ? IS THE CYANIDE PROCESS MORE EFFECIENT, THAN IN THIS DISTRICT. THE METALURGICAL RECOVERY ~~OF #41/D# THE~~ OF THE GOLD CONTENTS BEING PRACTICALLY PERFECT. THE TAILING LOSSES BEING NEGLIGABLE.

In conclusion allow me to state that the properties as a whole , merritt further extensive prospecting and development.

Respectfully submitted.

(Signed) S.S. Jones. P.M

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

Date December 10, 1946

1. Mine MIDNIGHT GROUP OF CLAIMS

2. Location sec. 8, 9, 17, 16, T 19 N,
R 20 W. 1/2 mi. NW of Oatman, Ariz.

3. Mining District & County Oatman section of San Francisco
Mining District, Mohave County

4. Former name

5. Owner J. H. Knight

6. Address (Owner) Box 444, Kingman, Ariz.

7. Operator

8. Address (Operator)

9. President, Owning Co.

9A. President, Operating Co.

10. Gen. Mgr.

14. Principal Minerals Gold

11. Mine Supt.

15. Production Rate

12. Mill Supt.

16. Mill: Type & Cap.

13. Men Employed

17. Power: Amt. & Type

18. Operations: Present

19. Operations: Planned

20. Number Claims, Title, etc. 7 lode claims, surveyed for patent.

21. Description: Topography & Geography

Rolling ground, no steep pitches, well adapted
for camp sites, adequate dump sites for waste
rock from mine operations.

22. Mine Workings: Amt. & Condition

See attached.

3. Geology & Mineralization

Oatman andesite, which is the productive formation at
Tom Re and United Eastern properties Oatman.
MINE OWNER'S REPORT

4. Ore: Positive & Probable, Ore Dumps, Tailings

4A. Dimensions and Value of Ore body See attached.

5. Mine, Mill Equipment & Flow-Sheet

6. Road Conditions, Route Good.

7. Water Supply There is on the ground sufficient water for early stages of operation.

8. Brief History See attached.

9. Special Problems, Reports Filed

10. Remarks

11. If property for sale: Price, terms and address to negotiate. Prefer giving a long term lease.

32. Signature..... J. H. Knight

12. Use additional sheets if necessary.

MIDNIGHT GROUP OF CLAIMS

The Midnight Group consists of seven claims located in the Oatman section of the San Francisco Mining District, Mohave County, Arizona, about $1\frac{1}{2}$ miles N.W. of Tom Reed and United Eastern Mines, at an altitude of 2500 feet. Distance from U.S. paved highway 66 to the mines is four miles, to Tom Reed Mill six miles. Auto Truck can be driven direct to the property. Power line is within three miles.

The main vein is the footwall member of N.S. Lode 100 feet wide. There are at least 3 distinct veins within the mineralized zone varying in width from 4 to 8 feet between walls.

The Leo and Gemini of this group are located on the main vein. The outcropping can be plainly traced for 1500 feet. The Leo has produced around \$40,000.00. This ore was stoped from the 55 foot level to near the surface and averaged \$17.00. The ore schute from which this was taken was 120 feet long. The shaft was continued to the 100 where a streak of ore was broken into that run \$100.00. There is about 150 feet of drifting on this level, face of North drift is in ore. A crosscut of 40 feet did not get through the ledge. This shaft was afterward sunk to the 300. Ore taken from the shaft in sinking run from \$7.00 to \$14.00. At the bottom of this shaft a crosscut was driven 20 feet without reaching the hanging wall. Four feet of this crosscut ran \$8.00. This is an incline shaft with a vertical depth of 175 to 200 feet. Inaccessible at present on account of surface water.

The Gemini has a vertical shaft 100 feet deep located about 600 feet from Leo shaft, on same ledge. This shaft hit the ore at a depth of 50 feet and went through it in 35 feet. Values claimed for this ore was \$35.00. On a crosscut of 30 feet at the bottom of this shaft, average was claimed to be around \$5.00. This crosscut did not get through the ledge.

The vein is a true fissure, in the Oatman Andesite which is the productive formation at the Tom Reed and United Eastern Mines, the big producers of the district.

* Gold @ 2007/28

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

Date December 10, 1946

1. Mine: MIDNIGHT GROUP OF CLAIMS.
2. Location: Sec. 8, 9, 17, 18 Twp. 19 N Range 20 W Nearest Town Oatman
Distance land 1/2 Direction N.W. Road Condition Good
3. Mining District & County Oatman section of San Francisco Mining District
4. Former Name of Mine: _____
5. Owner: J.H. Knight
Address: Box 444, Kingman, Arizona.
6. Operator: _____
Address: _____
7. Principal Minerals: Gold
8. Number of Claims: Seven Lode Lode Placer _____
Patented Surveyed for patent Unpatented _____
9. Type of Surrounding Terrain: Rolling ground, no steep pitches, well adapted
for camp sites, adequate dump sites for waste rock from mine
operations.
10. Geology & Mineralization: Oatman Andesite, which is the productive
formation at Tom Reed and United Eastern properties at Oatman.
11. Dimension & Value of Ore Body: See attached

12. Ore "Blocked Out" or "In Sight":

Ore Probable: See attached

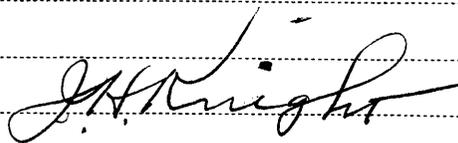
13. Mine Workings—Amount and Condition: See attached

No.	Feet	Condition
Shafts.....		
Raises.....		
Tunnels.....		
Crosscuts.....		
Stopes.....		

14. Water Supply: There is on the ground sufficient water for early stages of operation.

15. Brief History: See attached.

16. Signature:



17. If Property for Sale, List Approximate Price and Terms: Prefer giving a long term lease.

Attached hereto are the following,

- 1 — U.S. Government report of F.C. Schraeder 1907
- 2 — Preliminary report of S.S. Jones, E.M.
Mr. Jones discovered the ore in the TOM REED MINE,
was its Supt. and manager for the next eight years
when the big production was made.
- 3 — Copy of letter from W.C. Fellows, Supt. of MIDNIGHT
MINE whwn ore extraction was made.
- 4 — Copy of mill returns from ore shipped from Mineto
Tom Reed Mill in 1934 and 1935 by Leasers.
- 5 — Supplemental report by S.S. Jones.
- 6 — Data concerning location, development, and values.
- 7 — Blue Print of seven claims contained in group.

MIDNIGHT MINE

Now

LEO & GEMNI.

Located in Oatman Section of San Francisco Mining District
Mohave County Arizona.

From report made on page 194 of Mineral Deposits of the Cerbat Range, Black Mountains, Grand Wash Cliffs of Mohave County, Arizona. By F.C.Schraeder. (Report made in 1907.)

The Midnight Mine is situated in the hills $1\frac{1}{2}$ miles north west of Vivian, at an elevation of 2,500 feet, and is accessible by wagon road. It is owned by the Mohave Gold Mining Company, and has been productive moderately since about 1900. For some time it paid the running expenses of the Leland Mine which were large.

The mine is developed to a depth of 50 feet by inclined shaft, drifts and stopes and is equipped with a gasoline hoist; the management has just begun sinking the shaft 300 feet deeper.

The Country rock is the green chloritic andesite, it is intruded by basic and acidic dykes near by and is cut by a marked sheeting which trends north 10 w and dips 75 West and by a close cross sheeting which dips steeply to the north. One of the Dykes, a finer grained greenish rock, about 40 feet in width, forms the footwall. About 300 feet northeast of the mine, on higher ground, occurs a closely banded bluish to light grey and green mottled 2 to 3 foot vein composed of fine grained siderite containing some lime and manganese. It resembles rhyolite with bands or flow structures and may have replaced a dyke, in the fissure it not occurs.

The midnight vein, which is the footwall member of a North South lode 100 feet wide, strikes N 15 W. and dips 30 40 W. it is about $3\frac{1}{2}$ feet wide, and consists principally of quartz with some calcite, fluorite and adularia, contains crudely banded red and green flourspar, and toward the footwall the quartz becomes dark and dense, of a flinty nature, and contains a few crystals of pyrite.

The vein has been worked from the surface almost to the bottom of the ~~vein~~ mine, and longitudinally for a distance of 120 feet, mainly on the south side of the shaft, and in extent has averaged about \$18.00 a ton in gold. the production has been considerable for a mine of its size, that on one side of the shaft alone amounting to \$18000.0000.

REPORT ON GEMINI AND LEO MINES.

Location.

The claims are located in the Oatman Section of the San Francisco mining district, Mohave County State of Arizona, thirty one miles from the town of Kingman which is the County Seat.

ACCESSIBILITY.

The claims being situated in an open section of the district are easily accessible. An Auto or truck can be driven directly to the property.

TOPOGRAPHY.

The claims are situated on rolling ground, there are no very steep pitches or declivities. This type of terrain is well adapted for camp sites, while at the same time affording adequate dump sites for waste rock from mine operation.

CLIMATE.

The climate is that of moderate altitude and semi arid conditions and is such that mining work can be conducted at all seasons with a minimum of interference owing to weather conditions.

ALTITUDE.

The claims are situated at an altitude of 2500 feet above Sea level.

TRANSPORTATION.

Mining supplies for the district are brought from Kingman on the main line of A.T. and Santa Fe R.R. by means of Auto Trucks. The cost of supplies delivered on the ground would be approximately nine dollars per ton.

POWER

In the initial stages of development it would be advisable to use internal combustion engines for power purposes. For large scale operations the district is already provided with power lines from the Desert Power and Water Company of Kingman; One of whose branch lines is located near the property.

WATER

There is on the ground sufficient water for early stages of operation. Water for milling operations could be probably developed in the mines themselves; That failing ample water could be had from natural sources nearby.

#2.

GEOLOGY.

The rock formation at the mines are broadly classed as the Tertiary volcanic rocks . The particular type present being known as the Oatman Andesite, which is the productive formation at the Tom Reed and United Eastern properties at Oatman. The Oatman andesite is locally cut by a basic dyke of later age which forms the rootwall or the vein.

VEINS.

There are several veins on the property which occur as paralell veins in a lode formation which is about a hundred feet wide. The vein filling consists of quartz , calsite, and adularia which is a potash feldspar. The original vein filling was calsite., At a later period the fissure was reopened allowing the introduction of the solutions which deposited the quartz and gold. The Ore is valuable on account of its gold and silver content. The relative proportion of these metals in the ore is two ounces of gold to one of silver . The veins are true fault fissure veins.

METALLURGY.

The ores are readily treated by the process now in vogue in the district, namely, that of fine grinding and Cyaniding.

Production records for the mines in the district are approximately as follows.

United Eastern=	14,000,000.
Tom Reed	14,000,000
Goldroad	8,000,000
Moss	5000000
	<hr/>
	36,500,000

The production from the LEO and GEMINI claims, are estimated at \$30,000 above the fifty foot level.

In conversation with those who worked in the three hundred foot shaft, that the vein at the bottom of the shaft was very wide and that there was four feet of ore on the footwall that assayed eight dollars per ton . also that beyond this point a crosscut was driven twenty feet without having reached the hanging wall of the vein .

Also that in sinking the hundred foot shaft , that at a depth of fifty feet \$35.00 ore was encountered, the ore in the crosscut at the bottom of this shaft will assay between four and five dollars per ton.

A favourable opinion of the property was gained by the writer after having gone over the ground carefully and examined the vein structure and the enclosing wall rocks.

The vein in every respect is of a type normal to the district and shows the same general structure as the producing veins elsewhere in the district. These facts taken in conjunction with the fact that the property has had considerable production, recommends the group as one that offers a very attractive opportunity for legitimate mine development.

S.S.Jones

Where now worked in the bottom of the mine the ore is of low grade about \$7.00 in gold to the ton, and consists of a mixed Or partly altered soft country rock traversed by stringers and veinlets of calcite and quartz.

C O P Y

April 29 1914

Mr. J.E. Knight#
Kingman, Arizona.

Dear Mr. Knight:-

I beg to acknowledge receipt of your letter of March 17, and hope that you will pardon the delay in answering, which was due to my being called away.

With reference to the Midnight Mine, the only information that I can give you is from the body of ore that I milled. From the 55 foot level to the surface we took out between \$30,000.00. and \$40,000.00. this ore had an average value of a little better than \$17.00 per ton, but as you know the Leland Co, were pushed for money and as fast as we accumulated any money from the Midnight it was taken from us to pay some of the Leland bills, and for this reason we were never allowed to spend any of our production on development Work, We also opened up some fairly good ore on the 100 foot level but not being able to do development work I am not able to say but very little about this level.

In my opinion some systematic development work will open a mine at the midnight.

With kind personal regards to all, I am

Yours very truly,

W.C. Fellows.

ORE SHIPMENTS-MIDNIGHT MINE

<u>DATE</u>	<u>NET DRY TONS</u>	<u>SETTLE- MENT VALUE</u>	<u>GROSS MILL RETURNS</u>	<u>MILL DEDUCTIONS</u>	<u>NET VALUE</u>	<u>PER CENT ROYALTY</u>	<u>R ROYALTY</u>
10/2/34	4297	15.31	\$657.87	\$ 207.90	\$449.97	15%	\$9868
1/26/35	28.14	17.67	461.89	129.84	332.05	15%	69.28
3/15/35	35.04	12.60	441.50	164.53	277.14	9%	39.74
4/12/35	53.28	22.75	1,212.12	279.49	932.63	20%	242.42
5/28/35	55.49	21.00	1,165.29	285.76	879.53	20%	235.06
10/2/36	32.33	14.70	475.25	153.08	322.17	10%	47.52
122/23/36	29.62	10.41	308.34	133.90	174.44	10%	30.83

MIDNIGHT GROUP OF CLAIMS

The Midnight Group consists of Seven Claims located in the Oatman section of the San Francisco Mining District, Mohave County, Arizona, about 1 1/2 miles N.W. of the Tom Reed and United Eastern Mines, at an altitude of 2500 feet. Distance from paved highway 66 to the mines four miles, to Tom Reed Mill six miles. Auto Truck can be driven direct to the property. Power Line is within 3 miles.

The main vein is the footwall member of N.S. Lode 100 feet wide. There are at least 3 distinct veins within the mineralized zone, varying in width from 4 to 8 feet between walls.

The LEO and GEMINI of this group are located on the main vein. The outcropping can be plainly traced for 1500 feet. The Leo has produced around \$40,000.00. This ore was stoped from the 55 foot level to near the surface and averaged \$17.00 at the old price of gold. The ore schute from which this ore was taken was 120 feet long and 3 feet wide. The shaft was continued to the 100 foot level where a streak of ore was broken into that run \$100.00. A crosscut was afterwards run on this level 40 feet which did not get through the ledge. This shaft was afterwards sunk to the 300. Ore taken from shaft in sinking run from \$7.00 to \$14.00. At the bottom of this shaft a crosscut was run where the vein is very wide. This crosscut was driven 20 feet without reaching the hanging wall. 4 feet of this crosscut run \$8.00.

The GEMINI has a vertical shaft 100 feet deep located about 600 feet from Leo shaft, on same vein. This shaft hit the ore at 50 feet and went through it in 35 feet. This ore averaged \$35.00. A crosscut of 20 feet at bottom of this shaft did not through the ledge. Values around \$5.00.

The vein is a true fissure, in the Oatman Andesite, which is the productive formation at Tom Reed and United Eastern Mines, the big producers of the district.

Sufficient water is on the ground for early stages of operation. Water for milling operations could probably be developed in the mines.

All values quoted above are based on the old price of gold, \$20.67

Lessors shipments of low grade ores as shown in mill returns, were taken from the dump which came out of shaft in sinking from 100 to 300 foot level. No ore has been stoped below the 100. Any ore below this level is still in tact.

J.H.Knight.

S U P P L E M E N T A L

REPORT

Number of claims seven, which are held by annual assessment.

Claims not having been operated for sometime, the workings are under water.

The veins strike northwest and dip at angles varying from forty-five to eighty degrees from the horizontal. The dip is southwest.

The term lode was given to the deposit by a government Geologist who reported upon the district. There are at least three distinct veins within the mineralized zone varying in width from four to eight feet between walls.

The ores produced by the properties in the past was free milling, or we had best say free cyaniding, for that is the standard method of working the ores of the district.

The ores of the property being of the same mineral and structural composition as ores elsewhere in the district such as the Goldroad, Tom Reed, Eastern and other past and present producers, will offer no difficulty in treatment by the cyanide process.

The outcrop of the vein can be traced on the surface for great distances.

The outcrop of the veins show considerable Manganese oxide, which in this district indicates leaching of the values of the outcrop. The record of the producing mines clearly indicates that the ores whose value is predominately gold, occur in chutes along the strike of the vein, in other words the values are localized, development of the veins both laterally and on the dip is the only way to prove up these ore chutes.

The veins are located in the Oatman Andesite which is the prevailing rock in the productive areas of the district.

The claims are situated two miles west and one mile north of the town of Oatman, and a mile and a half due west from the crown city group owned by the Tom Reed Company.

Copy of S.S. Jones, E.M. supplementary report.
March 1929.

Secret Pass Consolidated Mines Co.

Incorporated Under the Laws of Arizona.

CAPITAL STOCK 1,000,000 SHARES

TREASURY 600,000 SHARES

Par Value 10c. Fully Paid and Non-Assessable

Executive Office, Kingman, Arizona.

Mines at Secret Pass.

OFFICERS

O. T. James - President-General Manager
Kingman, Arizona
J. W. Stalker - - - - Vice-President
Kingman, Arizona
H. W. Griffith - - - Secretary-Treasurer
Kingman, Arizona

THE PROPERTY

The mining property of this company, consist of 4 claims, aggregating approximately 80 acres, namely the Midnight, Early Bud, Parisian and Orphan Fraction.

THE LOCATION

The property is located in Secret Pass section of the San Francisco or Oatman mining district, Mohave County, Arizona, 22 miles westerly from Kingman, Arizona and 6½ miles northerly from Oatman.

GEOLOGY

The Secret Pass District is similiar in the formation to Cripple Creek, Colo., rhyolite, andesite, phenolite and porphyry predominating.

The ore enrichment is usually found on the contacts of rhyolite and andesite, both walls carrying about equal values, although where the rhyolite is highly silicified the surface values are better than those occurring in the andesite.

The rhyolites are floes and the andesites are intrusive.

One of the most eminent Geologists in the mining world said, after a thorough examination of the property, that the main contact vein of the property, will go to an indefinite depth.

ACCESSIBILITY

The property is easy of access as a wagon road crosses one claim and is traveled daily by auto. There is also sufficient water on the property for domestic purposes and there is indication that by development in a small way sufficient water could be gotten to operate a mill.

VEIN SYSTEM

The property is in the Famous Orphan contact, and adjoins the Orphan on the north. This Orphan claim is at present being operated under a lease and bond, by O. T. James, J. W. Stalker and Paul Morton. Mr. James put a 2-stamp mill on the Orphan and has up to the present produced 8 gold bricks, reference to which may be found in

the Dec. 11, 1915 issue of the Mining & Engineering World, of Chicago. The remarkable showing made by Mr. James since he began the operation of the property and milling of high grade ore in a two-stamp Tetrault mill less than 3 months ago has been the means of attracting no little attention to the Secret Pass section. James recently shipped to the United States Mint at San Francisco, a bar of bullion weighing 53 ozs and valued at approximately \$15 dollars per oz. It was the fifth shipment made by him. The aggregate weight of all shipments thus far is 203 ozs.

The contact is from south-west to north-east and has the same strike as the Famous Tom Reed ore body.

The Parisian claim on which the Secret Pass Consolidated Mines Co. has started a perpendicular working shaft, is on the same contact vein that traverses the Orphan.

Other strong features give this property the earmarks of a mine. The management expects to sink as long as they see gold in its pannings and firmly thinks it will get a producer at 150 foot depth.

We solicit your personal investigation of the property and; if you desire a block of the stock, it can be secured at 10c per share, through the Citizens Bank at Kingman, Arizona.

ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

June 4, 1958

To the Owner or Operator of the Arizona Mining Property named below:

<u>Midgroup Group</u>	<u>(Mohave County)</u>	<u>Gold</u>
(Property)		(ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

EXHIBIT "B".

LOCATION

The property consists of four unpatented mining claims situated in the San Francisco Mining District, Mohave County, Arizona, to the northwest of the Town of Oatman and in the same mineral bearing zone.

GEOLOGY

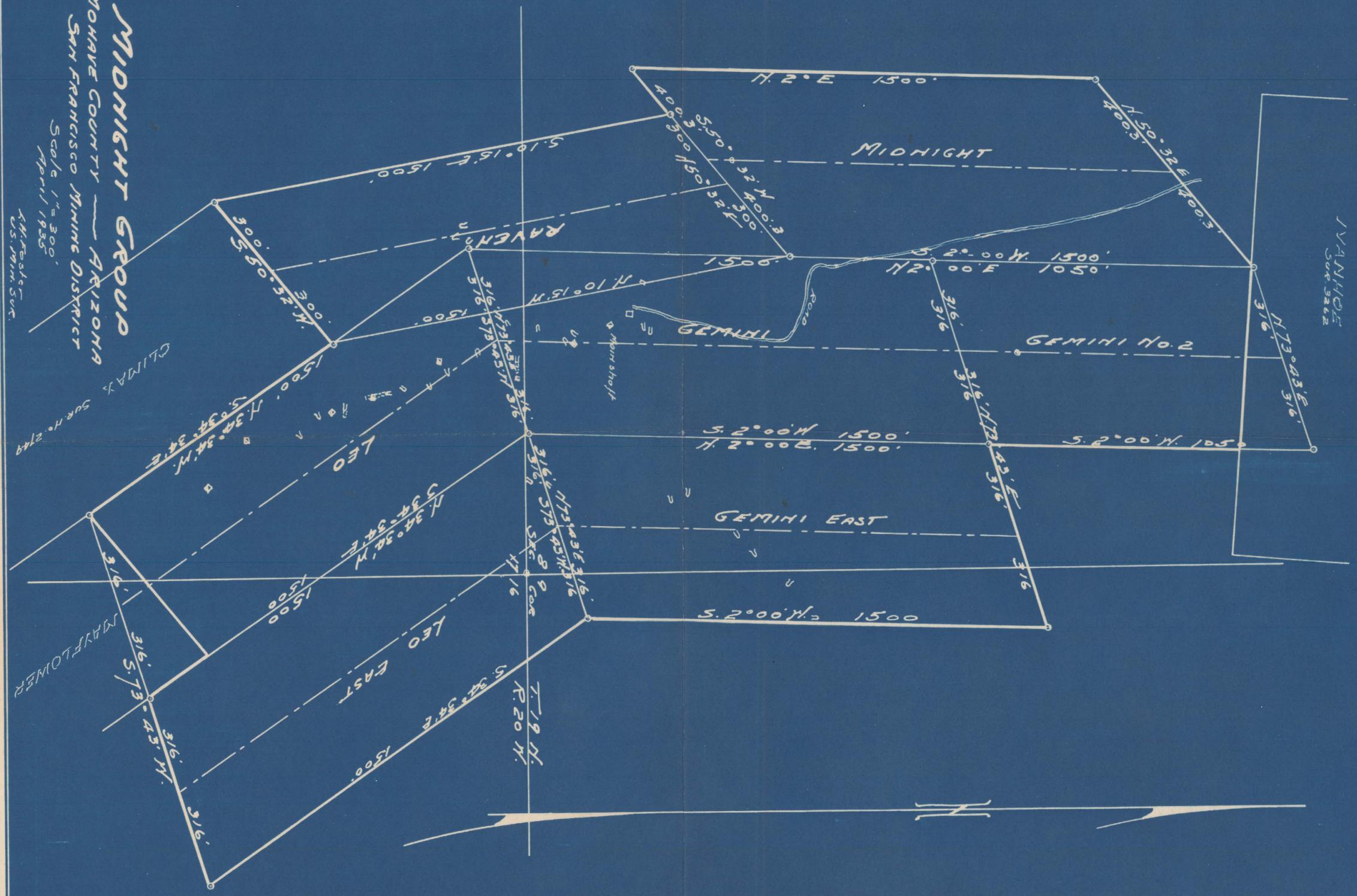
In describing the geological conditions of this section of this mining district, all data must be taken from a superficial examination as no development work has been done on any of the claims of this group.

The formation consists of andesite and porphyry dykes intersected by veins of calcite and quartz running nearly at right angles to the formation. There are two very strong outcrops of quartzite on this property that traverses the entire width of the claims; one of these shows on the north end of the property and one on the south end and it is my opinion that at the points of intersection of the veins as indicated on the surface with the quartzite will prove to be on exploration the points at which the quartz mineral deposition will be found. There is a discovery shaft 10 feet deep on the "MAY DAY" claim near the north end line that shows some small stringers of quartz and silicified country rock that show free gold in the pan; assays from the shaft run from \$4.00 to \$25.00 per ton.

The general conditions are favorable for the discovery of ore of commercial value on this property and as a vast amount of the surface has been eroded it is very likely that ore will be found in this section of the district at a very much more shallow depth than in that section of the district to the southwest or in Oatman proper. While on the surface the rocks of the dykes are decomposed in places they show some silicification and the dykes may prove to be the source of the enrichment in the veins and at the points where the veins cut through or come up to the dykes, ore of commercial value should be found.

The most favorable feature of this section of the country is the presence of the large porphyry dykes and the contact between the andesite and the porphyry is well-defined wherever it is exposed, and while the veins cross the dykes yet the conditions for mineral deposition along these contacts are favorable and with depth the contacts may prove to be productive of veins containing commercial value.

MIDNIGHT GROUP
 MOHAVE COUNTY — ARIZONA
 SAN FRANCISCO MINING DISTRICT
 Scale 1" = 300'
 April 1935
 K.H. Foster
 U.S. Min. Surv.



VANHOGUE
 Sur. No. 2222

