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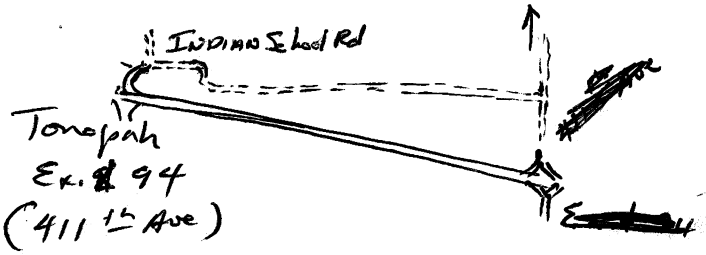
See AMS & Belmont Quad - the Ones used for Quintana Bighorn Recon (1973)

Tonopah Belmont Mine, or Belmont MacNeil Mine Maricopa Co Ariz

field visit, HAK & LEK 7/3/82

Belmont Mt Quad. Go in from Tonopah exit on I-10, ~~[illegible]~~ or from exit 3 miles east.



Area around Mine, Vy wk pyritization (see notes on Belmont Quad, old Quintana Bighorn Recon. 1973.) Rhy or latite plug(?) - dark brown, sl. porphitic, sticks as a prominance. Entered upper Y-cut adit - lots of cool air flow - did not go to connection w/ wks. Vy poor surface expression of veins. No evidence of an extensive camp - may have been over pass to N.

Mill fnd. left - Tailings in creek -- thought they were washed away but later found they were shipped at start of WW II. Est. 10 000 tons tailings from residual of tailings on side of creek, but this doesn't account for any ~~amount~~ amount stacked up. Could have been the 55 000 tons reported (less any direct shipping on -- ± 3000 tons). Very little evidence of a camp on this side of hill -- must have been somewhere else.

Wells shown on Quad - both cased and have been used (recently) as stock wells. 12" Csg. Upper well in confluence of 2 big dry washes and lower well on alluvial flat. Upper well capped - lower well still has submersible pump in it.

Tonopah Belmont
or:
Belmont-MacNeil

3 yr.	240K Ag.	~~266/d~~	5.33/Ton Ag.	32	
	10K Au.	11.11/day	.22/T Au	71.00	
			6.67% Pb	103.00	
			.78% Cu		

Call to State Dept Mineral Resources
by HAK—

18.00			head		Today	
5.51	Au	.333 oz	8.61	.417 oz	125.10 (6.00)	250.20
2.00	Cu		2.22	.79%	12.64 (1.00)	15.80
2.00	Pb		2.22	2.22%	15.54 (.40)	17.76
.50	Ag.		.63	1.25 oz	6.28 (12.00)	15.00
					159.56	298.76

Ariz State
Dept. of Mineral Resources, Phx 255-3791
Ask for Glenn Walker - retired 8 yrs.

Tonopah Belmont
or Belmont McNeil
~~Southern~~ Southeastern Tip of Big Horn Range.
(Belmont Mts.?)

Owners?
Reports?
Maps?
etc.

No Activity in March.
1971 Report.

Geological Report
by F.C. Ramsey Pb 2.96%
Cu 4.3%
Au nominal
Ag.

1967 James Wilson

1962

Will send to Tucson.

Information 1. Ariz Bu Mines Bulletin #129, p 76
2. Production Possibilities of the Marginal Copper Mines in Ariz. 1941 P 95

~~A. Ralph Navarro~~	527-35-3336	$3,250
~~José Angel Sanchez~~	553-68-9719	$ 319
~~Andrew Dennis Alióry~~	526-33-2953	$ 740
~~Ramon A. Paredes~~	527-55-4268	$ 41.13

~~But~~ State Dept of Mineral Resources - 7/9/82

Puncher Exploration Mystic Mining Co - Al Harding - has sunk drill holes himself.

6 Miles

adjacent to - Clementine Mine - N of Sun City

Near CAP canal -

JEK Notes

Tonopah Belmont
or Belmont MacNeil

①

State ~~Land~~ Mineral Resources.

Field Reports.

1972 - Planning to build leaching plant east of Morristown or Circle City. 50T Capacity.

Mel Jones
Mr. Woody chief eng.
Mr. Holpin - Secretary Tonopah Belmont Mining Corp.

1975 - ~~Sent~~ Mentions the "Mineral Resources" (Mineral ~~sent~~ year book? JEK) Yes - JEK
& 1930 says Mine closed and Mill dismantled, in Jan 1930, but for prev. 5 yrs had produced slightly over 55,000 tons Cu-Pb ore.

ETL 8 Nov 1971 Report

"The Ave assay on samples taken from outcroppings in this area are as follows"

Pt 3.43 Oz/ton
Au .46
Ag 3.15

Ave of assays from sides of a tunnel

Pt 3.52 Oz/ton
Au .55
Ag .15

Report by "F. C. Ransing, B.M."

Stamped in Reg Mining Eng Ag. 5/20/57

States that Tonopah Belmont was renamed Tonopah ~~McNeal~~ - McNeal Disc. 1904. Operated 1926-30. 400ft total depth below adit level. Lowest occur. level in the 300 surveyed by Ransing by Brunton. States Conc. shipped to El Paso.

"Tails were recovered ~~by~~ during the last war by lessons. Nothing remains from these tailings."

Cites ~~H.~~ A.B.M Elsing prod. data from 1926-30.

Sample taken by 2 Miners in 1957 Pb 2.96% Cu 4.3 Au .406 Au/ton Ag 2.95 oz/t

Geol and Rec are incompetent and irrelevant
No Maps in file

(2)

"James E Wilson E.M." Report 11/28/67

Discovered by George Dillard in 1907, partners were Dan McNeil and Charles Wilcot. Cites ABM Bull 140 p 94

Not a good Report - incompetent No Maps in file

1941-47 Ernest Dickie (later of Bagdad Cu - Mg & JEK) operated on Pillars. Shipped to Cyanide mill at Vulture (Dickie was there in the 1930's JEK) and shipped high grade to Smelter

Chip samples from bottom of winze 12.2 % Cu
.43 Oz/T Au
3.6 Ag
.82 % Pb

But 1931 Mines Handbook - p 1618 to 1620 - Tonopah Belmont
Dan Cribbs Belmont McNeil

Western 2/20/62
Tonopah Consolidated - Nevada
~~(Hay quoted the McNeil Belmont)~~
~~No mill per [illegible]~~ (?)

interview w/ Ramsey by Lewis P. Smith.

Mines handbook: OK 2 327 Tons - 1927 - (.39 Oz Au 3.2 Oz Ag 5.3 % Pb .78 % Cu)
1930, p 1630

OK 1928 - 21 094 Tons (Gross Value $22.41/ton and Cost $21.19) (operating charged against Revenue)

Mineral Resources p 792 - 1928
21 094 tons
70 tpd mill - run continuously
Gross $472,699.00
NSR 209 436 or 993 ton
ave, .281 Oz Au
3.693 Oz Ag
7.72 % Pb
1.62 % Cu

Shaft 450', 100' 12000' lateral work.

Main shaft 450 plus 150' ~~wrgz~~ winze.

11/14/61 Field Eng visited - 5 men employed. Boyles Boos bringing in D. Drill.

TN
23
UG12
1932-33 (Review of 31-32
U.S. Minerals Yearbook (Bur of Mines)
Sci Ref U.S. Mineral Resources 1900± - 1931 (Dept Int. - Geol. Survey)

TN
13
M65
Copper handbook 1900-32
Mines handbook
Mines Register
W.H. Weed, Stevens, Neale,

Arizona Bureau of Mines 7/8/82

Osborn Dist - Belmont McNeil principal producer

1926-47 (27-33 Missing)	39,657 tons	Gold	4882.36 ounces	$ 161,652
		Silver	80,053 ounces	$ 57,106
		lead	1,531,342 #	$ 111,866
		Copper	863,156 #	102,102

Notes on a sheet →

"Discrepancy with prod. Copper bulletin; 27-'33 Missing - big years"

Tonopah Belmont file.

letter G. M. Butler to Ray Mead 9/9/36 Consulting Eng & geol L.A.

Opened in 1926 and development work alone late 1927 mill completed, and prod. continued in 1928. In June of '28 reported that ore carload & concentrates shipped to smelter every day. 1930 all equipment sold.

State Mine inspector reports show

1926 11 men employed ~~on~~ on surface
10 underground.

1927 20 surface last inspection
14 underground

1928 6 surface
19 underground "

1929 5 surface
19 underground "

1930 4 surface
23 underground " Mine Closed in 1930

reported producing 1927 28 29 30.

→ property not mentioned in Mineral Industry P6

Among the top 4 producers 1927-30, stood 2nd in 1928 (Montana Mine 3rd)

Listed under Tonopah Belmont Development Co., Nevada. 1931 P 1618-20.

ABM –

Tonopah Belmont file Cont

(4)

Pencil Notes, Not dated – appears to be summary of Concentrator & Mine for unknown purpose (or notes from interviews?)

Flow sheet of flotation mill.

States Mill treating 65 ton/day, 3 shifts, Milling between 3-4 per ton including all overhead?

Pencil notes – "Visited Nov 3 1929"

28 Mi to Hassayampa Rail Point

Haul $4 a ton

$0.143/ton mile

50 men employed

Give operating personnel, notes on water supply –

These seem to be the data given in Mineral Industries (ABM) JEK

3/16/30 News paper Advertisement of Equip sale

Diesel engine, Hoists, elect Motor

– the whole thing.

6/10 News item Concentrates shipped every other day to El Paso smelter.

News Item 4/1/27

Oct 16 Mill operation (Groundbroken June 16)

employ 60 men

"Belmont well" 2 Mile from camp pumps to 63 000 gal reservoir above the mine shaft

Bldgs include mess hall, Rec. Hall, Office, Bathhouse, small cabin, Rec Hall 39 x 53' with dance Hall, pool tables etc.

9/17/26 – Concentrator should begin 9/20 +

property is equipped w/ accomodation for 100 men, including office and Commissary, Cottages, refrigeration plant, power plant and Mill.

5/28/26 & 5/30/26 – McNeil Mine also known as the Washington Mine. Claims that upper level x cut tunnel topped vein at 150' below ok, only $2 Au. Some improvement in a winze. Winze was sunk down to vertical depth of 300' on the vein – drifting found $35 ore. Moon Anchor (nearby) has shipped more than 40 carloads.

Minerals Resources - 1930 part 1 p 1094

"Nearly all ~~lead~~ the copper & lead ore came from the Belmont MacNeil property near Palo Verde....
The large decrease in Cu-Pb material in 1930 was due to the suspension in January of Mining and milling operations at the Belmont-MacNeil ...; the Company mined and milled more than 55 000 tons of Cu-Pb ore from 1926 to Jan 1930.

1928 21 094 tons - from Report by Thompson Belmont development Co

Au	.281 Oz	Gross $472 699
Ag	3.69 "	NSR $209 436 - $9.93/ton
Pb	7.72 %	
Cu	1.62 %	Minerals: galena Carrisite, Malachite Chrysa and Chalcocite

Conc Ratio 5:29 to 1

3986 tons Conc
.943 Au
12.68 Ag
34 % Pb
3.9 % Cu

Mining $5.19/ton
Milling 3.52
$9.71

Development $13.35/foot

"Policy has been to do as much ~~maintenance and~~ development work of property as self-supporting basis would permit" -- (in other words - spend all the profit) JEK
"Realized that ore shoots larger than those found must be located to make operation a success..."
States no ore found on fifth level -- a shoot above second level didn't extend to 3rd level. Complicated faults between 4-5th level, not understood (but doesn't say ore is cut off by faults JEK) Last 8 Mo. ore milled was highly oxidized from upper levels - poor mill recovery especially in copper.

(The report sounds well written as though guided by well versed mining people, attempting to better the known reserves.) JEK

1929 Mineral Resources p 804

~~Belmont~~

Belmont MacNeil of Tonopah Development Co.

Worked entire year more than 17 000 tons treated in 70 tpd flotation plant. In 1929 nearly 4000 ft development workdone in drifting & sinking. Known ore exhausted late in 1929 Mine closed early in 1930.

from company's annual report —

"At Belmont MacNeil ... long been recognized ... to make profitable and successful mine the ore bodies must be found at depth." Money was appropriated for the work recommended, after careful and painstaking geologic mapping and examination, for solving the complicated system of ~~faults~~ flat faults which cut off the veins at depth. This work was prosecuted throughout the year and a definite conclusion that further development was not warranted having been reached Jan 16, 1930 .... the mine was finally closed ... "

Notes July 82
Belmont MacNeil

1931 - ~~43~~ 45 Production

~~Burden~~

Mineral Resources year books (US Bur Mines)
listed as either Osborn Dist (most correct of modern usage) or as Bighorn (1936).

Noted as shipped tailings in 1936. Other years ~~not~~ not segregated and/or listed as "ore".

1936 2,000 Tons (tails)
1937 11,111
38 3 520
39 } 6000 tons (tails)
640 tons (ore)
40
41
42
43 2454
44 3747 ?
45 <500
46 None

1943: 2454 T. ore - East Vulture Mn & Mill Co
Belmont MacNeil

Also operated Moon Anchor mine - Treated 800 tons in flotation mill (at that property (?))

1944: Osborn Dist - East Vulture M & Mill Co
3 properties: Belmont MacNeil
Moon Anchor
U.S. (Furlough)
Produced Au Ag Cu Pb ore: 3427 tons ← from Belmont ??
Au ore from Belmont: 320 tons 3747
Low grade Au ore from
U.S. Dump —: 2598 Tons
Pb Ore (Moon Anchor): 144 tons

1945: a few hundred tons from Dist.

1946: None