

CONTACT INFORMATION

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: GREAT EASTERN

ALTERNATE NAMES:

ELLIOT BROS. PROPERTY

PINAL COUNTY MILS NUMBER: 685

LOCATION: TOWNSHIP 9 S RANGE 2 E SECTION 35 QUARTER SW LATITUDE: N 32DEG 35MIN 47SEC LONGITUDE: W 112DEG 08MIN 01SEC

TOPO MAP NAME: COPPEROSITY HILLS - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

SILVER LEAD

BIBLIOGRAPHY:

TENNEY, J. "HIST OF MNG IN AZ" P 335; 1927-29 TENNEY, J.B. "ECON GEOL RECONN OF CASA GRANDE

MNG DİST" AZBM 1934, P 8-9 ADMMR GREAT EASTERN MINE FILE

COPPEROSITY HILLS QUADE IGLE 7.5 MINUTE SERIES (TOPOGRAPHIC) SW/4 VEKOL MOUNTAINS 15' QUADRANGLE 112°07′30″ 430 000 FEET 391 ₃92 -\$2°37′30″ 21 49/ -2200. /BM 2092 590 000 ВМ FEET 28 3609 ³⁶08 02801 heat Eastern 95RDE Sec. 35 <u>T</u> 9 S 4 W D T 10 S 35′ 3605. × (2103)

REFERENCE 1 F1 <	ABGMT CLIPPIN		GENERAL REFEREN	ICES .		
REFERENCE 2 F2 <	AOMR FILE DAT	·A				
REFERENCE 3 F3 <	TENNEY, TAMES, +	ISTORY OF	MINING IN ARI	20NA, 1927	1-1929 p 335	
	TENNEY J. B., ECO	· · · · · · · · · · · · · · · · · · ·	•	· · · · · · · · · · · · · · · · · · ·		MINING
3	DISTRICT, AZ BURE	AU OF MINES	, 1934 p8-9			
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REPORTER AFFILIATION G	· · · · · · · · · · · · · · · · · · ·		**	(kast, first, middle initi EA10< GREAT E	al)	
	1	· · · · · · · · · · · · · · · · · · ·	/ SITE NAM	EATUN GREAT E	ASTERN /NI NE	
MINING DISTRICT/AREA	A30< <u>VEKOL DISTR</u>	NCT	LOCATION			
COUNTY PHYSIOGRAPHIC PROV	A60< <u>PINAL</u> A63<112.81	7*****		> STATE	۸50< <u>۴، ک</u> >	*COUNTRY A40 (U.S.
	A62< <u>1.5.0.5.0.3.0.6.b</u> A90< <u>VEKOL MOUN</u>		.(,, 9)			0,1, 1,4,0,
SECOND QUAD NAME	A92< .107<2.5.5.0.\(\noting\).\(F.\C_1\)	771/05	(,		UADRANGLE SCALE. A100 < 6 ECOND QUAD SCALE: A91 <	
UTM	· · · · · · · · · · · · · · · · · · ·	*ACCURACY			GEODETIC '	•
	3.9.3.2.4.0> -1.1.2.>	ACCURATE (CC) (ESTIMATED EST <	'circle)		LATITUDE A7	
CADASTRAL				/		
TOWNSHIP(S) A7	7<. <u>0,0,9,5,;,½, , , , , , , , , , , , , , , , , , </u>	ر تاریخ این از		*RANGE(S) A78 <		<u> </u>
SECTION FRACTION(S) A7	6 SW OF SW			, 18,	, ; , b/	
MERIDIAN(S) A8	I GILA AND SAL	TRIVER		<u></u>	>	
LOCATION COMMENTS AS	Prominent locality a82 < <u>Al</u> 3< <u>South EAST of T</u> FLOWING ARROYAG	THE VEKON M		OF CATHER WORKINGS	RAL ROCK ARE ON THE NO	RTH SIDE OF

^{*} ESSENTIAL INFORMATION • ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITIES PRESENT			
	A,G, $B,B,$		<u> </u>
ORE MINERALS	30 < ARGENTIFEROUSGALENA	·	
COMMODITY SUBTYPES	41 <		
SEN. ANALYTICAL DATA	43<		
COM. INFO. COMMENTS	50<		
SIGNIFICANCE			
0,0,1,1,1,0,1,1,0,1	PRODUCER	NON - PRODUCER	
MAJOR PRODUCTS	$AAJOR \langle AG, BG, $	MAIN COMMODITIES PRESENT C11	
AINOR PRODUCTS	MINOR <	MINOR COMMODITIES PRESENT C12	
OTENTIAL PRODUCTS	POTEN		et et tel
OCCURRENCES	OCCUR (OCCURRENCES OCCUR	
	*PRODL	ICTION	
	PRODUCER:	NON-PRODUCER	
_			
RODUCTION (ES) (circ	e). PRODUCTION SIZE MED: LGE: (circle one)	PRODUCTION: UND: NO	(circle one)
	EXPLORATION O	R DEVELOPMENT	
STATUS	PRODUCER:	NON-PRODUCER	
	STATUS AND ACTIVITY A20公公	STATUS AND ACTIVITY A20 (LLL)	
		·	
DISCOVERER	L10< /880'S > *NATURE OF DISCOVERY L30 <l> *YEAR</l>	OF FIRST OPPONICATION 140 (1895)	YEAR OF LAST PRODUCTION LASK / 1932
YEAR OF DISCOVERY PRESENT/LAST OWNER	A12 (ELLIOT BROS. (1932)	OF BROIT FRODUCTION SWEAT TO SEE	
	A13 TOM YOUNG (1930)		
	1110<		
	הבפרסוחדורא	N OF DEPOSIT	
	DESCRIPTION	NOI DEFOSIT	
DEPOSIT TYPE(S)	C40<_REPLACEMENT		
DEPOSIT FORM/SHAPE	M10<	, ,	†
DEPTH TO TOP	M20< UNITS M21<	MAXIMUM LENGTH M40 500	> UNITS M41<
DEPTH TO BOTTOM	M30<> †UNITS M31<>	MAXIMUM WIDTH: M50<	ONITS M61
DEPOSIT SIZE	M15 <emall m15<medium=""> M15<large> (circle one)</large></emall>	MAXIMUM THICKNESS M60 \	
STRIKE	M70< <u>E - W</u>	> *PLUNGE M90 <	
DIRECTION OF PLUNGE DEP. DESC. COMMENTS	MINO REPLACEMENT ALONG FAULTS IN		DIPS TO WEST
DET. DEGC. CONTRETTIO			
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1			
	DESCRIPTION	LOF WORKINGS	
		I OF WORKINGS	
· ·	CE M120 UNDERGROUND M130 BOTH M140 (circle one)	OVERALL LENGTH M190	> *UNITS M191<
DEPTH BELOW SURFAC	CE M120: UNDERGROUND M130: BOTH M140 (circle one) : M160 < > UNITS M161 < F.T.	*OVERALL LENGTH M190 <	> †units M201 <
DEPTH BELOW SURFAC	CE M120: UNDERGROUND M130: BOTH M140 (circle one) : M160 < > *UNITS M161 < F.T. M170 < > *UNITS M171 < F.T.	OVERALL LENGTH M190 CONTROLL WIDTH M200 CONTROLL AREA M210 CONTROLL AR	> *UNITS M201 < > *UNITS M211 <
DEPTH BELOW SURFAC	CE M120: UNDERGROUND M130: BOTH M140 (circle one) : M160 < > *UNITS M161 < F.T. M170 < > *UNITS M171 < F.T.	OVERALL LENGTH M190 COVERALL WIDTH M200 COVERALL AREA M210 COVERALL AR	> *UNITS M201 < > *UNITS M211 <
DEPTH BELOW SURFAC	CE M120: UNDERGROUND M130: BOTH M140 (circle one) : M160 < > *UNITS M161 < F.T. M170 < > *UNITS M171 < F.T.	OVERALL LENGTH M190 CONTROLL WIDTH M200 CONTROLL AREA M210 CONTROLL AR	> *UNITS M201 < > *UNITS M211 <
DEPTH BELOW SURFAC	CE M120: UNDERGROUND M130: BOTH M140 (circle one) : M160 < > *UNITS M161 < F.T. M170 < > *UNITS M171 < F.T.	OVERALL LENGTH M190 CONTROLL WIDTH M200 CONTROLL AREA M210 CONTROLL AR	> *UNITS M201 < > *UNITS M211 <
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Excerpt from Economic Geological Reconnaissance of Casa Grande Mining District By J. B. Tenney

GREAT EASTERN MINE

History

This silver deposit, similar in many respects to the Vekol was found shortly after the discovery of the Vekol. The outcrop was not as large and the production was much less. The mine was most actively worked from 1885 to 1894, and some of the ore is reported by the present owners to have been treated at the Vekol mill. An attempt to revive the mine was made in 1931 and 1932 when an extension of the ore zone was prospected by lessees and a little lowgrade lead silver ore was shipped. The mine is owned by the Elliott Brothers of Casa Grande.

Location and Mining Property. SEC 34-T95 R ZE

The mine adjoins the Vekol to the southeast, and the principal workings are about 2,000 feet from the Argosy shaft. There are several claims in the group all unpatented. The road to the mine from Casa Grande is the same as that to the Vekol up to that property with the addition of two miles of desert road between the Vekol and the Great Eastern. The principal workings are on the north side of a westward-flowing arroya which cuts the westermost ridge of the Vekol range and heads in a high pass in the ridge.

Mine Development.

The principal work done at this property was in open cuts, drifts, and small stopes, aggregating over a thousand feet of work. The general strike of the workings is east-west, and the maximum width about 100 feet. The greatest depth attained in the upper workings was about 75 feet. In addition to this work there was sunk near the eastern end of the workings a vertical shaft, now/accessible, said to be 200 feet deep.

About 100 feet east of the main workings, two tunnels 50 feet apart vertically, were driven, and a little stoping was done from the upper tunnel.

Geology and Ore Occurrence.

The ore at the Great Eastern occurs as replacement deposits very similar to those of the Vekol. The dominating structure is here a system of two or more faults striking east with nearly vertical dips. The ore occurs as bedded deposits in Pennsylvania limestone, one of the important horizons being a kaolinized limestone bed, probably identical to that at the Vekol. Other beds are also replaced, and some ore uccurs as a replacement of the fault gouges. The limestone dips in a westerly direction as at the Vekol.

Closely associated with the fault zone, outcropping 10 to 20 feet south of the workings, is a dike classified in the field as diorite porphyry.

The dike is fresh and the contacts with the limestone are generally barren, The ore is all oxidized and remaining streaks much resemble the ore at the Vekol. Residual galena nodules occur surrounded by copper-stained kaolin. The thickness of the replaced beds, judged by the stoping done, varied from a foot to five feet. The alteration of the wall rock is slight as at the Vekol. The total length of the zone as developed is about 500 feet.

Future Possibilities.

The upper and accessible workings have been virtually mined out. There is said to be ore left in the shaft. The close association of the ore with a dike of diorite, and with the east-west fault zone, and the finding of ore in several horizons, makes prospecting for future or e bodies easier than at the neighboring Vekol. The zone is small however, and general prospecting for possible extensions east and west of prospected ground, considering the weakness of the solutions, may not be justified. In the 500 foot length of mineralized fault zone, there is a possibility for the existence in depth of enriched silver ore, and the search for such possible deep favorable horizons is justified.

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