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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LAST CHANCE 1

ALTERNATE NAMES:

LILLIAN MANGANESE

VIVIAN NO. 1 AND 2

~~Last Chance 1~~

GILA COUNTY MILS NUMBER: 150B

LOCATION: TOWNSHIP 1 N RANGE 15 E SECTION 1 QUARTER NE

LATITUDE: N 33DEG 27MIN 50SEC LONGITUDE: W 110DEG 46MIN 43SEC

TOPO MAP NAME: GLOBE - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

MANGANESE

SILVER

GOLD

ZINC

COPPER

BIBLIOGRAPHY:

ADMMR LAST CHANCE ¹ FILE

ADMMR "U" FILE, PB5 AND MN6 AND MN44

FARNHAM, L.L. "MANG DPSTS EASTERN AZ" USBM

IC 7990, P. 68; 1961

~~Wilson K D and Dept. Arizona Bull 126 1928 p. 77~~

09/25/86

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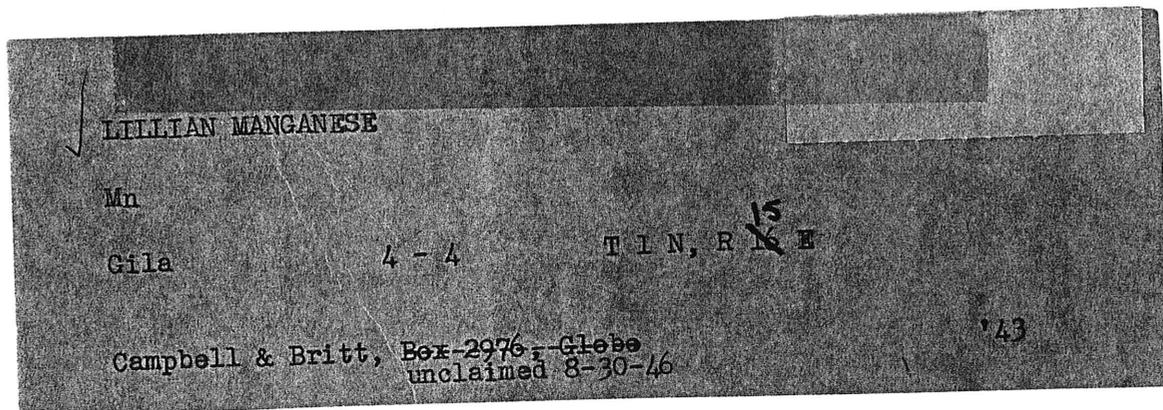
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A L F O R E S T

First Chance
TR RISE Sec. 27. 10E

Shore 75

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine
District
Subject:

Date

Engineer

July 23 1943

Mr Cooper:
Please note that
Mr Chas. Campbell of Box
264 Miami, Ariz. is making loan
application and will want
report & photo. of map.

Yours
A. Macfarlane

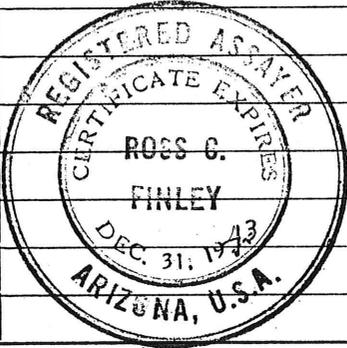
ASSAY CERTIFICATE

Globe, Ariz July 21 1943

Britt. Campbell

By A. Macfarlane, Field Engineer

Sample No.	Owner's Mark on Sample	GOLD		SILVER		TOTAL VALUE PER TON	PERCENTAGE OF			
		OZS. PER TON	VALUE PER TON	OZS. PER TON	VALUE PER TON		COPPER	IRON	LEAD	
	Lillian Mine.	Manganese $\frac{Ni}{\%}$ 28.40								
		This sample taken by A. Macfarlane, vein 3' wide								



Ross C. Finley Assayer

C
O
P
Y

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine LILLIAN MANGANESE Date July 20th, 1943
District Globe, Gila County, Arizona Engineer A. Macfarlane
Subject: Examination.

Owners: Campbell & Brill - P. O. 2976, Globe, Arizona.

Property: Consists of 2 unpatented claims named Last Chance and Lillian. These claims are situated on the north east foot hills of the higher Buffalo Hill and are about 10 miles from the rail switch of Globe and northerly therefrom.

The claims are recorded in the book of mines No. 264 on pages 368 and 369 Globe, Gila County, Arizona, by Charles Campbell of Miami, Arizona, as locator.

Road: From Globe the Copper Hill road is followed northeasterly for about 7 miles. This is a maintained County road over which trucks are operating daily. At about this point a branch road forks towards the west, passing several new manganese workings, and terminates within less than 1/2 mile from the Lillian tunnel.

I estimate that it will take a Bulldozer 2 days to complete a good road up to the portal of the Lillian mine workings.

Vein Occurrence: On the northeast slope of a low hill and about 20' higher than the floor of a gulch which cuts across the Manganese mineralization which cropped to surface at this locality, a tunnel has at some past time been driven southwesterly for a total length of 96 feet.

This tunnel followed the footwall vein for a few feet then turned right N 63° W. for 25' and here cut the hanging wall or main vein, thence followed on vein for about 50' to the breast.

About 6' from tunnel heading a cross-cut is made for 12' and the footwall vein again exposed. This footwall vein is 2' wide here and has appearance of continuity.

The hanging wall or main vein, has a width of 3' or a little more in the 50' of tunnel back. This vein also may prove to have continuity along its southwesterly strike.

Geology: Attending the Lillian vein ore system is of course similar to other veins of Manganese adjoining or in the immediate locality. The vein occurs in schist, this formation composing the small hill entirely, in the immediate locality of this vein.

Selvage and soft talcose material forming the walls and a minor quantity of porous soft iron oxides in quartz, together with the Manganese ores, provide the vein filling.

Some few hundred feet away both north and east, quartzite

and rhyolite intrusions are visible, the contact planes of which being approximately from southwest to northeast.

Mine Workings & Costs: The total extent of underground openings are just over 100 linear feet, the tunnel heading is now about 40' under cover. This tunnel requires timbering in parts, also widening for car movement. There is considerable muck along the floor which requires cleaning out, and in order to drive the tunnel ahead on the vein, tracking is required to be installed.

The vein matter so far exposed in the tunnel is rather soft, and hand steel equipment would be about as efficient to perform the proposed additional mine development, as air drills.

I estimate the costs of the tunnel and trackage work required, including tunnel sets where need, at \$ 500.00
 Advancing main tunnel 100 feet on the vein at \$10. foot . . . 1000.00
 Sinking winze 50' by windlass and timbering at 20. " . . . 1000.00
 Drifting from bottom of winze 100' on vein at 15. " . . . 1500.00
 Total proposed development costs \$ 4000.00
 Install below portal Utility proposed small ore bin 500.00
 Total proposed additional expenditure \$ 4500.00

Ore Expectancy: The proposed development would place in sight a block of the vein over 100' along its strike and to a depth of 50'; also advancing the present tunnel heading 100' should discover ore shoots which will extend upwards to the surface croppings.

Assuming this vein to contain manganese ores of the grade and width as now shown in the 50' of tunnel back, this proposed new work could place in the measured ore column about 2,000 tons.

Due to the small amount of mine openings now made, only about 100 tons ore can be estimated as available.

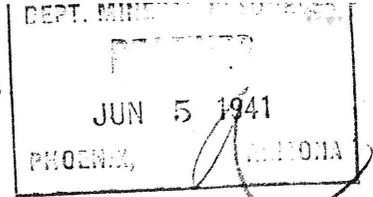
This property is in a prospect stage at present but the mineral indications evident in the two narrow veins opened within the underground workings may justify the further development of same about as proposed in this statement.

Marketing Costs: Of ore shipments from the Lillian workings will be identical to the other six or seven small mines of the adjoining ground.

I estimate that for each carlot of 60 tons ore containing 35% plus Mn., three or four carlots of lower grade will have to be mined and disposed of. Only under low operating costs, mining and trucking not to exceed \$5.00 to \$7.00 per ton, can a profit be won on present market.

A. Macfarlane
Field Engineer

12
DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT



Date June 3rd, 1941.

1. Mine Vivian Nos. 1 & 2
Concho & Last Chance
2. Location Globe Arizona
3. Mining District & County Gila
4. Former name
5. Owner Dodd L. Greer et als
6. Address (Owner) 1415 east Pierce
Phoenix
7. Operator
8. Address (Operator)
9. President, Owning Co.
- 9A. President, Operating Co.
10. Gen. Mgr.
14. Principal Minerals
11. Mine Supt.
15. Production Rate
12. Mill Supt.
16. Mill: Type & Cap.
13. Men Employed
17. Power: Amt. & Type
18. Operations: Present None
19. Operations: Planned
20. Number Claims, Title, etc. four (4); two are leases from Department of Indian Affairs; two are claims located by the undersigned et als.
21. Description: Topography & Geography
22. Mine Workings: Amt. & Condition

(over)

23. Geology & Mineralization

24. Ore: Positive & Probable, Ore Dumps, Tailings 2 claims contain manganese ores, assaying over 43%; the other claims contain lead & silver, and shipments from these claims have netted \$16.00 El Paso Smelter

24A. Dimensions and Value of Ore body Unknown; these claims are new; approximately 100 tons of manganese ores are now on dump

25. Mine, Mill Equipment & Flow-Sheet

26. Road Conditions, Route Road to Manganese claims in bad condition, but other parties, are now hauling ore over this road; the road to the silver and lead claims is very good, and these mines lie only about one mile from shipping point on Southern Pacific R. R.

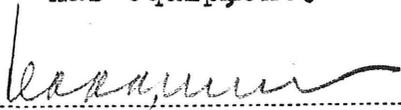
27. Water Supply

28. Brief History

29. Special Problems, Reports Filed

30. Remarks The owner desires to contact parties who have some equipment, such as compressor, hoist etc, who would be interested in working one of all of these mines on a royalty or tonnage basis

31. If property for sale: Price, terms and address to negotiate. All property above described is for sale, but would prefer to lease to competent operator who has equipment.

32. Signature 
Dodd L. Greer, 1415 east Pierce Street Phoenix Arizona.

33. Use additional sheets if necessary.

12 June 1941

Mr. H.A. Norvil,
805 South Central Avenue,
Phoenix, Arizona.

My dear Mr. Norvil:

With further reference to your conversation yesterday regarding machinery which you would like to place on a mining property, I have a mine owners report on the VIVIAN NOS. 1 & 2, CONCHO & LAST CHANCE GROUP in Gila County, owned by Mr. Dodd L. Greer, 1415 East Pierce Street, which reads in part as follows:

"The owner desires to contact parties who have some equipment, such as compressor, hoist, etc., who would be interested in working one of all of these mines on a royalty or tonnage basis".

I should suggest that you contact Mr. Greer if you think you would be interested in this group.

Yours very truly,

J. S. Coupal
Director

JSC-jrf

SWITCHES

Make	Type	H.P.	Amp.	Pole	Volts	Style	Cat.No.
CH	H1		30	2	125-250	4131	
Ch	H24		30	3	575	4131	KK#100 pump
CH	H24	7½	30	3		4131	
CH	H24		30	3	600	4131	24' Agitator
CH	H24		30	3	600	4131	24' "
CH	H24		30	3	600	4131	
CH	H24		30	3	575	4131	4" B.J. pump
D			30	3	575		88341 24' Agitator
D			30	3	600		88341
AH		7½	30	3	575		27284
AH			30	2	110		27000
Trum			30	3	600		60351 IR motor pump
AH			30	3	600		27445 U.I. Wks pump
AH			30	3	575		27445
AH			30	3	125-250		27000 Zinc feeder
AH			30	3	125-250		27000 " "
AH			30	3	575		27284 3" F.M. pump
AH			30	3	575		27284 Spare
AF			30	3	575		27284 Spare
Trum.			60	3	500		40352
AH		20	60	3	575		27450
AH			60	3	575		27290
AH			60	3	575		27450
D			60	2	250		88252
CH	A	50	100			H27	4101 3" Wilfley
AH			100	3	600		27455
D			100		600		56343 IR Compres.
AH			200	3	600		27306 50 HP hoist
AH			200	3	575		27461
AH			200	3	575		27306 CP Compres.
CH		50	200	3	575	H28	4101
CH	A		400	3	575	H29	4101

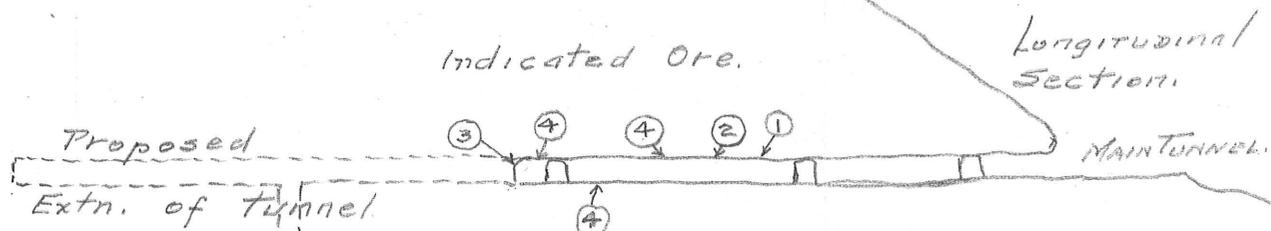
TRANSFORMERS

- 1 - G.E. Transformer, 440-110 volts, 1½ KVA, #411 2439
- 1 - Light transformer, 2 KVA 440-110
- 1 - Allis Chalmers transformer, 7.5 KVA 440-220-110, 60 cy., #74 AS 520 19

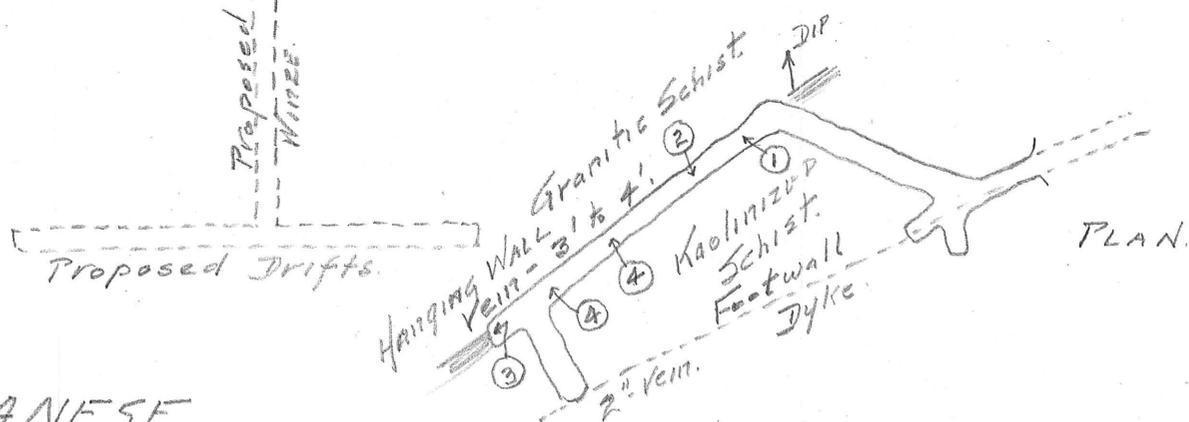
SAMPLES & ASSAYS.

No.	POINT.	% Mn.	WIDTH
1.	TUNNEL BACK BY BRITT.	46.25	1 1/2 ft.
2.	" " CAMPBELL	38.46	1 1/2 ft.
3.	" BIREAST.	37.71	2 ft.
4.	" BACK & FLOOR. MACFARLANE	28.4	3 ft.

Croppings.



Longitudinal Section.



PLAN.

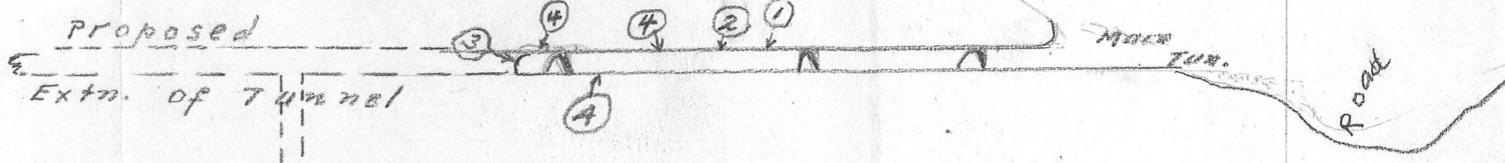
LILLIAN MANGANESE
 CAMPBELL AND BRITT - OWNERS.
 BOX 2976 GLOBE, ARIZONA.
 RAINBOW DISTRICT, - GILA COUNTY, ARIZ.
 DEPT. OF MINERAL RESOURCES.
 JULY 18-1943. - A. MACFARLANE.
 SCALE - 1" = 25 ft.

CROPPINGS

Indicated ore

Section

Samples Assays			
Nos	point Sampled	% Mn	Width
1	Tun. back Britt Sampler	46.25	1 1/2'
2	" " Campbell "	38.46	1 1/2'
3	" breast "	37.71	2'
4	" back & floor, Mucp. "	28.4	3'



LILLIAN MANGANSE

Campbell and Britt Owners

Box 2976 Globe, Arizona

Rainbow District, Gila Co. Ariz.

Notes Of Dept. Of Mineral Resources

July 18-1934 G. Macfarlane-

Approx. Scale 1" to 25ft - Field Engr.

