

TONOPAH MINING CO. OF NEVADA	
MINING AND EXPLORATION DEPARTMENTS	
REC'D JUN 26 1914	
SEEN	
ANS'D	

2290 0001

(274)  
item 1

Jungo, Nevada, June 10, 1914.

-HAYSTACK MINING DISTRICT-Location

The Haystack Mining District is located 10 miles south of Jungo Nevada. Jungo is a station on the Western Pacific R.R. some 30 miles west of Winnemucca, Nevada. There is a good wagon road from Jungo to the District.

Geology

The main country rock of the district is a very old dark schist. Through the schist there has been an intrusion of ~~gr~~ biotite granite or grano-diorite. This intrusion is at least one and one half miles long and has the appearance of a dyke of very irregular widths. ~~Occur~~ Occurring in the granite, as dykes, or along one wall of the granite, there are later intrusions of alaskite or a rock slightly more silicious than alaskite which Mr. Spurr has termed helvetite. Some of this material was sent on for farther study.

Gold is the valuable mineral of the district and occurs in small flat lying quartz veins which in turn occur in the granite. On the claims first ~~located~~ located in the district, and where the best showing is found at present, there is a series of these small veins all having a dip of from ten to fifteen degrees and all dipping towards ~~one~~ one of the alaskite intrusions. Only a few small ten foot opencuts have been sunk. These will probably have to be extended on the dip from fifty to one hundred feet to strike their junction with the granite-alaskite contact. The veins are probably due to the alaskite intrusions and have obtained their quartz from them. The quartz is of a hard, white sugary variety and is not of pegmatitic origin.

As stated above, the veins are small. They vary in width from three inches to one foot. In their small amount of development they have found spots in the veins which ran very high and they have been able to sort a small amount of shipping ore which will probably give returns of around \$50.00 per ton. From the best information it seems probable that the veins on the whole will average around \$25.00 .

Mr. James Austin owns a lease one one of the main showings of the ~~central~~ central area (Wheatfield Claim). On this lease he has a vein opened up by five opencuts which are about 25 feet apart and cover the vein, along the strike, for about 125 feet. I sampled these openings with the following results.



Openout Number	Sample Number	Width of Vein in Ft.	Value Gold	Feet Value
1	1	0.5	\$12.00	6.000
1	1	0.5	14.20	7.200
2	2	0.5	6.40	3.200
2	2	0.5	16.40	8.200
3	4	0.3	6.80	2.040
3	4	0.3	0.20	.060
4	5	0.4	1.60	.640
4	5	0.4	1.40	.560
5	6	0.8	17.60	14.080
5	6	0.8	18.60	14.880
		<u>10</u> 5.0		<u>356.760</u>
		0.5 Av.width.		\$ 11.35 Av.value.

From this lease I picked three samples of shipping ore which assayed as follows-

Sample Number	Value Gold
11	\$58.80
7	81.00
9	70.80
	<u>3</u> 210.60
	\$ 70.09 Av.value.

Mr. Spurr saw a vein in the schist which cropped for a considerable distance and had an average width of about five feet. He took a grab sample from it which assayed as follows-

Sample Number	Value Gold
8	\$2.80

Signed.

*M. B. Huston*

# ASSAY CERTIFICATE

## H. C. OASTLER, ASSAYER

Winnemucca, Nevada, 6-10- 1914

Mr. M. B. Huston

Sample No.	Owner's Mark on Sample	GOLD <sup>#</sup> 20 <sup>oz</sup>				SILVER				Total Val. Per Ton	Percentage of			
		Ozs. Per Ton		Value Per Ton		Ozs. Per Ton		Value Per Ton			Cop'r	Iron	Tin	Lead
387	No F		71	14	20									
388	2		32	6	40									
389	3		86	17	20									
390	4		01		20									
391	5		07	1	40									
392	6		93	18	60									
393	7	4	05	81	00									
394	8		14	2	80									

Charges, \$ \_\_\_\_\_

*H. C. Oastler*

Assayer



**CERTIFICATE  
OF  
ASSAY**

**WINNEMUCCA ASSAY OFFICE**

L. D. HUBBARD, PROPRIETOR

**ASSAYING, CHEMICAL ANALYSIS AND  
GENERAL TESTS ON ORES**

M. B. Houston

WINNEMUCCA, NEV., June 6<sup>th</sup> 1914

**WE HAVE ASSAYED YOUR SAMPLE WITH THE FOLLOWING RESULTS:**

OFFICE NUMBER	MARKED	GOLD OUNCES PER TON	GOLD VALUE PER TON		SILVER OUNCES PER TON	SILVER VALUE PER TON		GOLD AND SILVER VALUE PER TON	PERCENTAGE OF		
	No. 10	1.90	\$	38	-						
	" 11.	2.94		58	80						

SILVER AT \_\_\_\_\_ CENTS PER OUNCE      CHARGES \_\_\_\_\_  
LEAD AT \_\_\_\_\_ " " POUND      \_\_\_\_\_  
COPPER AT \_\_\_\_\_ " " "      \_\_\_\_\_

**WINNEMUCCA ASSAY OFFICE**

BY L. D. Hubbard

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	No. 1-	.60	12	—	—	—	—	—			
	" 2-	.82	16	40	—	—	—	—			
	" 3-	2.06	41	20	—	—	—	—			
	" 4	.34	6	80	—	—	—	—			
	" 5	.08	1	60	—	—	—	—			
	" 6	.88	17	60	—	—	—	—			
	" 7	.56	11	20	—	—	—	—			
	" 8	.70	14	—	—	—	—	—			
	" 9	.86	17	20	—	—	—	—			

SILVER AT \_\_\_\_\_ CENTS PER OUNCE CHARGES \_\_\_\_\_

LEAD AT \_\_\_\_\_ " " POUND \_\_\_\_\_

COPPER AT \_\_\_\_\_ " " " \_\_\_\_\_

**WINNEMUCCA ASSAY OFFICE**

BY L. D. Hubbard