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PRELIMINARY REPORT

on the

DANVILLE SILVER DEPOSITS

Nye County, Nevada

Return to
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JACK C. DICK,
Mining Consultant.

PRELIMINARY REPORT ON THE DANVILLE SILVER DEPOSITS NYE COUNTY, NEVADA.

Jack G. Dick
April 10, 1965

INTRODUCTION:

The silver deposits described in this report are on the old silver workings surrounding the old abandoned town of danville, Nevada, and are located in Township 10, North; Range 48 East; Nye County, Nevada. The ore zone is over one mile long and one half mile wide; crossing midway through Danville Canyon; and lies within the boundry of Toiyabe National Forest.

LOCATION AND ACCESSIBILITY:

The main silver occurances are located in Danville Canyon, which is on the eastern slope of Table Mountain, which is a part of the Monitor Range in Nye County, Nevada.

The Danville Canyon area can be reached via the town of Tonopah, Nevada, by going east on U. S. Highway #6 for 35 miles to what is known as Five Mile Ranch; thence north on county road for 50 miles to the mouth of Danville Canyon; thence west into the canyon for 2 miles. County road is usually in good condition. Some repairs would be needed tomake it an all weather road.

TOPOGRAPHY:

The Danville silver property is at the 7,000 foot elevation. The terrain is extremely rugged with steep slopes from the canyon floor. However, present roads make nearly all of the property accessible with a standard pick-up. There is little or no alluvium cover over the ore bearing zones. There are pinion pines and juniper in and around the area.

CLIMATE:

The climate is considered excellent, and suitable for year around working conditions. The temperature will vary from a high of 90° Fahrenheit during a few days in the summer to a low of 20° Fahrenheit on an average during the winter; but this low is only for a very short period of time during the winter months.

The area is generally dry, typical Nevada weather. Percipitation usually comes as heavy showers during the warmer months; and occasional light snow during the late fall and winter.

WATER:

Suitable and ample pure water is available in Danville Canyon; more than would ever be needed for regular milling operations. More could be developed if ever necessary.

GEOLOGY AND SILVER MINERALIZATION:

Regional geology of this area is generally of that in the famous Virginia City, Nevada, district.

Locally the geology consists of a wide altered belt, extending from the center of the valley floor to the base of the mountain range; and over eight miles in strike length.

Near the center and west side or edge of the altered belt is a porphyry stock that has been pushed up the west side of a major fault which parallels the altered zone.

The metamorphic porphyry is so badly taken down that it will require a thin section for classification.

The ore zones are in a large thrust of Cambrian lime that intruded the porphyry. This structure is about one mile long and one half mile wide; and ranges from 7,000 foot toabout 8,000 foot elevation.

Danville canyon cuts through the center of this structure; caused by a major east-west fault. During the thrust period the structure was badly broken; creating massive fractures from northeast to southwest; with smaller fractures running east and west. These fractures were impregnated with silica and calsite carrying silver ores. There is evidence of lime replacement of the magma solutions which should make large bodies of mineable ore. Some penetration of the ores is found in the porphyry; and a further study should be made to determine the extent of how this develops into an open operation.

The known ore zones consist of five major north-south veins and three east-west veins. Some mining and development has been done on two of the north-south veins and on one of the east-west veins. (Note; Geological Map) Most work has been done on the Vestal Vein. The strike length is about 3,000 feet; varying in width from 12 feet to

as much as 32 feet. Two tunnels were driven from the canyon; one to the north which shows 22 oz of silver; but, because of the shattering condition, the tunnel was taken off course for a distance of 50 feet paralleling the ore strike. There is a winze of approximately 30 feet in the drift which has not been explored. Near the portal there is a shaft about 75 feet in depth; and a cross cut to an ore shoot which was mined to the surface. As a result of bad timbering, the cross cuts were lost. Old reports show that the ore averaged 34 oz of silver and .06 oz of gold. At a higher level and on strike, a surface exposure of 32 feet was made. Value of the ore ranges from 8 oz to 41 oz silver; and should hold an average of more than 22 oz per ton. From this exposure north at about 600 feet a shaft was sunk to 60 feet. The vein was 4 feet wide; with values at 68 ozs silver and .06 oz gold. This shaft was lost in a flash flood in 1963. Further north of this exposure and about 600 feet is a 70 foot shaft on the vein. Conditions, vein width, ore values underground are not known. Dump samples ran 13 ozs silver. These workings are on what is known as the North Vestal. From Danville canyon to the south it is called South Vestal. A tunnel near the canyon floor was driven for 250 feet. This tunnel parallels the South Vestal vein offset for about 300 feet. There is no value nor vein matter in this tunnel. At a higher level and above the end of the tunnel there is an open cut on the west side of the vein. The vein exposure at this point is 40 feet in length, and 35 feet wide, and protrudes 40 feet above the surface.

An American Smelter and Refining Company engineer estimated this exposure at 75,000 tons of milling ore, averaging 22 ozs silver. No further workings or open exposure from this point north. Surface indications show the vein maintaining a considerable width for several hundred feet.

THE ARGONAUT VEIN:

Two cross cut tunnels intersect the vein; one is called the Argonaut and the other the Young American.

A large tonnage of ore was mined from these tunnels; but at the present time both these tunnels are closed because of sloughing. The dump ore assays showed 34 ozs silver and .04 oz gold. Surface indications show the vein to be about four feet wide. Strike length of the vein is about 3,000 feet. There are numerous cross veins carrying values.

SILVER BELL VEIN:

This vein is the largest of the north-south veins; and has a strike length of over 5,000 feet. There hasn't been any work or development done on this structure. One small prospect cut was sampled; values 6 ozs silver. One sample on the surface exposure at the north end of the vein ran 12 ozs silver.

OTHER NORTH-SOUTH VEINS:

There are two major veins unnamed. No samples were taken, but the silver ore can be seen. The A Vein (See map) has a shaft on the south end; with high grade ore exposed. Length of this vein is 5,000 feet.

BOSTON VEIN:

This is an east-west vein; width about 4 feet. Samples in the shaft on the west end averaged 68 ozs silver. Two other shafts on this structure are not accessible. A tunnel was driven on a cross vein; width 2 feet; averages 58 ozs silver. However, the highly fractured zone along this strike is carrying values of 11 ozs silver. A width of 12 feet was sampled. It is possible that a large tonnage of ore can be open pitted from this vein.

LAST CHANCE VEIN:

This vein is 6 feet wide at the west end exposure. A cut was made at this point. At the surface the ore value was 6 ozs silver. At a depth of 8 feet the values increased to 18 ozs silver. The strike length is about 1,000 feet. A drill station was made to cut this vein with angle core drilling to intersect the vein at 250 feet depth. This was abandoned because the drillers could not drill through the shattered zone that parralles the vein. Core drilling can be successfully done if the correct drilling procedure is used.

OTHER ORE BEARING ZONES.

There are many other veins with addits, open cuts and prospect holes onthis property; such as the low ridge lines covered with ore float by the hundreds of tons which run from 6 ozs to over 50 ozs in silver. All of these are too numerous to cover in this preliminary report

and are of a secondary nature; but are important to the overall aspect in the study and development of the area.

RECOMMENDED DEVELOPMENT:

1. A complete and detailed mapping should be made of the area. Because of the vastness of the area, it will require at least a 3 month program of mapping.
2. Side stripping of the Vestal Vein. This will require a D8 tractor with a ripper; 2 men and a compressor. Within 2 or 3 months there should be over 300,000 tons of mill grade ore exposed in this area. Assuming that all factors are as they seem, but in any case, Many thousands of tons will be exposed.
3. Drilling program on drill sites now available. New drill sites tobe prepared after mapping is completed.
4. Large dozer cuts tobe made at selected places to aid in evaluation.
5. Mill test runs on ore to determine best method of extraction. Ores are basically Argentite silver, with some bromides of silver. Native silver has been mined in the area. There should be other zones of native silver throughout the structures.

CLAIM STATUS:

There are 7 patented claims, and 44 lode claims on this property. Patented claims are as follows:

1. BOSTON — Sur. #38 — 3796
2. RICHMOND — Sur. 37 — 3997
3. ARGONAUT — Sur — 1420
4. YOUNG AMERICAN Sur. 37A 1416
5. ZILLIOUS ——— 3700
6. PONDOSELLA ——— 3796
7. VESTAL. ——— 3799

Lode Claims: (See Claim Map)

DANVILLE, Numbers 1 to 34.

LAST CHANCE, Numbers 1 to 10.

CONCLUSION:

There is little doubt but that this property can be developed into a very large operation, due to the large tonnages of medium grade ore that is available for open pit operation, and should make good returns on the investment.

JACK.G. DICK,
Mining Consultant.

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Drill Hole #2 AA Fire DATE /12/18/80/

Depth Drill hole	Au oz	Ag oz	Pb %	Zn %	Depth Drill Hole	Au oz	Ag oz	Pb %	Zn %
0-5		T			135-140		T		
5-10		T			140-145		T		
10-15		T			145-150		T		
15-20		T			150-155		T		
20-25		T			155-160		T		
25-30		T			160-165		T		
30-35		T			165-170		T		
35-40		T			170-175	NIL	.08	T	
40-45		T			175-180		T		
45-50		T			180-185		T		
50-55		T			185-190		T		
55-60		T			190-195		T		
60-65		.07			195-200		T		
65-70		T			200-205	Tr	.09	.05	
70-75		T			205-210		T		
75-80		T			210-215		T		
80-85		T			215-220		T		
85-90		T			220-225		T		
90-95		T			225-230	NIL	.09	NIL	
95-100		T			230-235		T		
100-105		T			235-240		T		
105-110		T			240-245		T		
110-115		T			245-250		T		
115-120		T			250-255		T		
120-125		T			255-260		T		
125-130		T			260-265		T		
130-135		T			265-270		T		

MINE DANVILLE

DRILL HOLE #2 DATE 12/18/80

DEPTH Drill hole	Au oz	Ag oz		Pb %	Zn %	DEPTH Drill Hole	Au oz	Ag oz		Pb %	Zn %
270-275	NIL	.09	NIL			405-410	T	.09	.08		
275-280	T	.08	NIL			410-415	.015	.08	.04		
280-285	T	.08	.02			415-420		T			
285-290		T				420-425		T			
290-295		T				425-430		T			
295-300		T				430-435		T			
300-305	NIL	T	NIL	.07		435-440		T			
305-310		T		.02		440-445	T	T	NIL		
310-315		T				445-450	NIL	T	.01		
315-320		T				450-455	T	T	.06	.02	
320-325		T				455-460	NIL	T	NIL	.01	
325-330	T	.08	.06			460-465		T		.02	
330-335		T				470-475		T		.01	
335-340		T				475-480		T		T	
340-345	NIL	T	.02								
345-350	NIL	T	NIL								
350-355		T									
355-360		T									
360-365		T									
365-370		T									
370-375		T									
375-380		T									
380-385		T									
385-390		T		.02							
390-395		T									
395-400		T									
400-405	T	.08	.05	.02							

MINE Danville

Drill Hole #2 2A | AA | Fire | DATE 12/19/80

Depth Drill hole	Au oz	Ag oz	Pb %	Zn %	Depth Drill Hole	Au oz	Ag oz	Pb %	Zn %
0-5		T	.03		135-140		T	T	
5-10		T	T		140-145		T	.01	
10-15		T	T		145-150		T	T	
15-20		T	T		150-155		T	T	
20-25		T	T		155-160		T	T	
25-30		T	T		160-165		T	T	
30-35		T	.01		165-170		T	T	
35-40		T	T		170-175		T	.01	
40-45	NIL	.14	.01	T	175-180		T	T	
45-50	NIL	.32	.38	.01	180-185		T	T	
50-55	NIL	.31	.38	.01	185-190		T	.01	
55-60	NIL	.26	.30	.01	190-195		T	.01	
60-65	T	.11	.07	.01	195-200		T	T	
65-70		T	T		200-205		T	.01	
70-75		T	T		205-210		T	.01	
75-80		T	T		210-215		T	T	
80-85		T	T		215-220		T	T	
85-90		T	T		220-225		T	T	
90-95		T	T		225-230		T	T	
95-100		T	T		230-235		T	T	
100-105	NIL	.09	T	T	235-240		T	T	
105-110	NIL	.10	.15	T	240-245		T	T	
110-115		T	T		245-250		T	T	
115-120		T	T		250-255		T	T	
120-125		T	.01		255-260		T	T	
125-130		T	T		260-265		T	T	
130-135		T	T		265-270		T	T	

MINE DANVILLE

DRILL HOLE #2A

DATE 12/19/80

DEPTH Drill hole	Au oz	Ag oz	Pb %	Zn %	DEPTH Drill Hole	Au oz	Ag oz	Pb %	Zn %
270-275		T	T						
275-280		T	T						
280-285		T	T						
285-290		T	T						
290-295		T	T						
295-300		T	T						

MINE Danville

AA	Fire

DRILL HOLE # 1 DATE 12/23/80

DEPTH Drill hole	Fire Au oz	Ag oz		Pb %	Zn %	DEPTH Drill Hole	Fire Au oz	Ag oz		Pb %	Zn %
0-5		T		T		135-140	NIL	.07	T	.02	
5-10		T		T		140-145		T		.02	
10-15		T		.01		145-150		T		T	
15-20	Tr	.07	.04	.01		150-155		T		T	
20-25		T		.02		155-160	NIL	.07	NIL	.01	
25-30		T		.01		160-165		T		.01	
30-35		T		.01		165-170		T		T	
35-40		T		.01		170-175		T		T	
40-45		T		.01		175-180		T		.01	
45-50		T		.01		180-185		T		.01	
50-55		T		.01		185-190	NIL	.07	T	.01	
55-60		T		.01		190-195		T		T	
60-65		T		.02		195-200		T		T	
65-70		T		.01		200-205		T		.01	
70-75		T		.01		205-210		T		T	
75-80		T		.01		210-215		T		T	
80-85		T		.01		215-220		T		T	
85-90		T		.01		220-225		T		.01	
90-95		T		.01		225-230	Tr	.12	.12	.01	
95-100		T		.01		230-235		T		T	
100-105	.01	T	T	T		235-240		T		T	
105-110	Tr	T	.02	.01		240-245		T		T	
110-115	Tr	T	T	T		245-250		T		T	
115-120	NIL	T	NIL	T		250-255		T		T	
120-125	T	T	NIL	T		255-260		T		.01	
125-130	T	T	NIL	T		260-265		T		.02	
130-135	.01	.07	.04	.01		265-270		T		.02	

MINE Danville

DRILL Hole #1 | AA | Fire | DATE 12/23/80

DEPTH Drill hole	Fire Au oz	Ag oz		Pb %	Zn %	DEPTH Drill Hole	Au oz	Ag oz		Pb %	Zn %
270-275		T		.02		405-410	T	.08	.01	.01	
275-280		T		.01		410-415		T		.01	
280-285		T		.01		415-420	T	.08	.05	.01	
285-290		T		T		420-425	NIL	.08	NIL	.01	
290-295	.02	.16	.16	.15		425-430		T		T	
295-300		T		T		430-435	NIL	.08	NIL	T	
300-305		T		.02		435-440		T		.02	
305-310		T		.01		440-445		T		.01	
310-315		T		.02		445-450	T	.17	.16	.02	
315-320		T		.02		450-455	.006	.25	.28	.03	
320-325		T		.01		455-460	T	.10	.10	.01	
325-330		T		.01		460-465	T	.08	.08	.01	
330-335		T		.01		465-470	T	.04	.04	T	
335-340		T		.01		470-475	T	.04	.02	T	
340-345		T		.02		475-480		.07		T	
345-350		T		.01							
350-355	T	.13	.08	.09							
355-360		T		.02							
360-365		T		T							
365-370		T		T							
370-375		T		T							
375-380		T		T							
380-385		T		.01							
385-390		T		.01							
390-395	T	.08	.03	.01							
395-400		.10		.07							
400-405	T	.08	T	.02							

MINE DANVILLE

DRILL HOLE #3 — AA Fire — DATE 1/7/81

DEPTH Drill hole	Au oz	Ag oz		Pb %	Zn %	DEPTH Drill Hole	Au oz	Ag oz		Pb %	Zn %
0-5	NIL	.09	NIL	T		135-140		T		T	
5-10	NIL	.10	NIL	T		140-145		T		T	
10-15	NIL	.08	NIL	T		145-150		T		T	
15-20	NIL	.08	NIL	T		150-155	NIL	.07	NIL	T	
20-25	NIL	.07	NIL	T		155-160		T		T	
25-30	NIL	.09	NIL	T		160-165		.08		.01	
30-35	NIL	.11	NIL	T		165-170		.07		.01	
35-40		T		T		170-175		.07		T	
40-45	NIL	.11	NIL	T		175-180		T		T	
45-50	NIL	.12	NIL	T		180-185		.07		T	
50-55		T		T		185-190		.07		T	
55-60	NIL	.07	NIL	T		190-195		.08		T	
60-65		T		T		195-200		T		T	
65-70		T		T		200-205		T		T	
70-75		T		T		205-210		T		T	
75-80		T		T		210-215		T		T	
80-85		T		T		215-220		T		T	
85-90		T		T		220-225		.08		.01	
90-95		T		T		225-230		T		T	
95-100		T		T		230-235		T		T	
100-105		T		T		235-240		T		T	
105-110		T		T		240-245		T		T	
110-115		T		T		245-250		.10		T	
115-120		T		T		250-255	NIL	.34	.31	.03	
120-125		T		T		255-260	NIL	.57	.59	.07	
125-130		T		T							
130-135		T		T							

MINE Danville

Drill Hole # 4A AA | FIA DATE 1/7/81

Depth Drill hole	Au oz	Ag oz		Pb %	Zn %	Depth Drill Hole	Au oz	Ag oz		Pb %	Zn %
0-5	NIL	.07	.21	T		135-140		T		T	
5-10		T		T		140-145		T		T	
10-15		T		T		145-150		T		T	
15-20		T		T		150-155		T		T	
20-25		T		.01		155-160		T		T	
25-30		T		T		160-165		T		T	
30-35		T		T		165-170		T		T	
35-40		T		T		170-175		T		T	
40-45		T		.01		175-180		T		T	
45-50		T		T		180-185		T		T	
50-55		T		T		185-190		T		T	
55-60		T		T		190-195		T		T	
60-65		T		T		195-200		T		T	
65-70		T		T		200-205		T		.01	
70-75		T		T		205-210	T	.08	.22	.02	
75-80	NIL	.08	.19	T		210-215		T		T	
80-85		T		.01		215-220		T		T	
85-90		T		T		220-225		T		T	
90-95		T		T		225-230		T		.01	
95-100		T		T		230-235		T		T	
100-105		T		T		235-240		T		T	
105-110		T		T		240-245		T		T	
110-115		T		T		245-250		T		T	
115-120		T		T		250-255		T		T	
120-125		T		T		255-260		T		T	
125-130		T		T		260-265		T		.02	
130-135		T		T		265-270		T		T	

MINE Danville

Drill Hole # 4A AA Fire DATE 1/7/81

Depth Drill hole	Au oz	Ag oz		Pb %	Zn %	Depth Drill Hole	Au oz	Ag oz	Pb %	Zn %
270-275	T	.09	.08	T						
275-280		T		T						
280-285		T		T						
285-290		T		T						
290-295		T		T						
295-300		T		T						
300-305		T		T						
305-310		T		T						
310-315		T		T						
315-320		T		T						
320-325		T		.02						
325-330		T		.02						
330-335		T		T						
335-340		T		.02						
340-345		T		.01						
345-350		T		T						
350-355		T		T						
355-360		T		T						
360-365		T		T						
365-370		T		T						
370-375		T		T						
375-380		T		T						

MINE Danville

Drill Hole # 4 | AA | FIRE | DATE 1/12/81

Depth Drill hole	Au oz	Ag oz	Pb %	Zn %	Depth Drill Hole	Au oz	Ag oz	Pb %	Zn %
540-545		T	T		675-680		T	T	
545-550		T	T		680-685		T	T	
550-555		T	T		685-690		T	T	
555-560		T	T		690-695		T	T	
560-565		T	T		695-700		T	T	
565-570		T	T						
570-575		T	T						
575-580		T	T						
580-585		T	T						
585-590		T	T						
590-595		T	T						
595-600		T	T						
600-605		T	T						
605-610		T	T						
610-615		T	T						
615-620		T	T						
620-625		T	T						
625-630		T	.06						
630-635		T	T						
635-640	NIL	.13	.06	T					
640-645		T	T						
645-650		T	T						
650-655		T	T						
655-660		T	T						
660-665		T	T						
665-670		T	T						
670-675		T	T						

MINE Danville

Drill Hole #2 4/ | AA | Fire | DATE 1/12/81

Depth Drill hole	Au oz	Ag oz	Pb %	Zn %	Depth Drill Hole	Au oz	Ag oz	Pb %	Zn %
270-275		T	T		405-410		T	T	
275-280	NIL	.16	NIL	.01	410-415		T	.01	
280-285		T	.01		415-420		T	T	
285-290		T	T		420-425		T	T	
290-295	NIL	.17	NIL	T	425-430		T	T	
295-300	T	.17	NIL	T	430-435		T	T	
300-305	NIL	.16	NIL	T	435-440		T	T	
305-310.		T	T		440-445		T	T	
310-315		T	T		445-450		T	T	
315-320		T	T		450-455		T	T	
320-325		T	T		455-460		T	T	
325-330		T	T		460-465		T	T	
330-335		T	T		465-470		T	T	
335-340		T	T		470-475		T	T	
340-345		T	T		475-480		T	T	
345-350		T	T		480-485		T	T	
350-355		T	T		485-490		T	T	
355-360		T	T		490-495		T	T	
360-365		T	T		495-500		T	T	
365-370		T	T		500-505		T	T	
370-375		T	T		505-510		T	T	
375-380		T	T		510-515		T	.01	
380-385		T	T		515-520		T	T	
385-390		T	T		520-525		T	T	
390-395		T	T		525-530		T	T	
395-400		T	T		530-535		T	T	
400-405		T	T		535-540		T	T	

MINE Danville

DRILL HOLE # 4 DATE 1/12/80

DEPTH Drill hole	Au oz	Ag oz		Pb %	Zn %	DEPTH Drill Hole	Au oz	Ag oz		Pb %	Zn %
0-5		T		.02		135-140		T		T	
5-10		T		T		140-145		T		T	
10-15		T		T		145-150		T		T	
15-20		T		T		150-155		T		T	
20-25		T		.01		155-160		T		T	
25-30		T		T		160-165		T		T	
30-35		T		T		165-170		T		T	
35-40		T		T		170-175		T		T	
40-45		T		T		175-180		T		T	
45-50		T		T		180-185		T		.01	
50-55		T		T		185-190		T		T	
55-60		T		T		190-195		T		T	
60-65		T		T		195-200		T		T	
65-70		T		T		200-205		T		.03	
70-75		T		T		205-210		T		.01	
75-80		T		T		210-215		T		.01	
80-85		T		T		215-220		T		T	
85-90		T		T		220-225		T		.01	
90-95		T		T		225-230		T		.01	
95-100		T		T		230-235		T		.01	
100-105		T		T		235-240		T		T	
105-110		T		T		240-245		T		T	
110-115		T		T		245-250		T		T	
115-120		T		T		250-255		T		T	
120-125		T		T		255-260		T		T	
125-130		T		T		260-265		T		.02	
130-135	NIL	.34	.33	.02		265-270		T		T	