

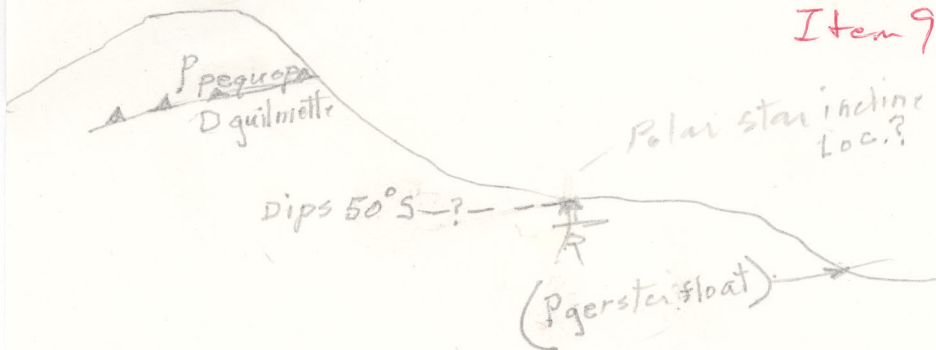
W

5120 0008

Generalized from E  
Rager Hope

(81)

Item 9



My sketch does not jibe with Hill or with Hope

*Polar Star.*—The Polar Star group of eight claims (No. 1, Pl. III) was located, according to the notice at the main work, on March 15, 1912, by T. J. Franks, M. E. Reed, and B. Woolverton. These claims are at the southeast side of the Warm Creek ridge, which lies east of Clover Valley. The main shaft is 5 miles southwest of Warm Creek ranch. The ridge is formed of light-gray, buff-weathering fossiliferous limestone and shales of probable Permian age. The beds strike N. 10° W. and dip 20° E. The principal development, on flat ground at the east base of the ridge, consists of an inclined whip shaft 64 feet deep, which has a few feet of water in the bottom. This shaft is sunk between two minor faults, which strike N. 45° E. and dip at 68° NW. The slips are 4 feet apart at the surface and are marked by slickensided faces and narrow clay seams. The fossiliferous limestone between these planes is only slightly brecciated, and in places large, white calcite crystals have been developed. At a depth of 50 feet there are drifts 40 feet northeast and 20 feet southwest along the zone. In the face of the southeast drift the hanging-wall slip dips to the northwest at 40°, and the footwall slip straightens to a dip of 85°. At the top of the face, between the two fractures, there is a small opening in which a little lead carbonate and zinc carbonate has been deposited. At several places along the hanging-wall slip in other parts of the work there are small kidneys and [stringers] of lead and zinc carbonate ores, which occur as replacements in the slightly brecciated limestone. X

*Other prospects.*—Several pits and shafts have been sunk on what appears to be the same fractures southwest of the main workings. A little work has been done also on a small body of replacement carbonate ore west of the summit of the low ridge about half a mile west-northwest of the Polar Star incline. = Silver Cliff?

east of Clover Canyon? = west

# USBM records (thru 1969)

Polar Star mine - Warm Creek Dist 33N 61E

Total tons 4093 1912-1943  
2060 in 1916 - @ 12.7¢

Au - 1 oz. @  $\pm 20.00 = \$$  20

Ag - 336 oz. @  $\pm 60¢ = \$$  200

Cu - 868 lb. @  $\pm 27¢ = \$$  60

Pb - 39,394 lb. @  $\pm 6¢ = \$$  2,400

Zn - 1,915,499 lb. @  $\pm 10¢ = \$200,000$   
 $\pm \$202,680$

Silver Cliff mine 14, 33N, 61E  
1 mi. NW of Polar Star

Total tons 11 - 1927-1942

Au

Ag

Pb

Pb

}  $< \$5,000$

8-4-71  
RMS

# Warm Creek mining district Elko County, Nev.

	Au	Ag	Cu	Pb	Zn	
Morning star (Pat.)	22	23	26	27	33N	61E
Polar star (\$ > 100)	0	0	0	0	11	11
Parker - see Spruce Min.	0	0	0	0		
Silver Cliff (\$ < 5)	0	0	0	0	14	11

also Nev. star, Elko, Comet, Clover 1-8 claims

1" = 100' N

Brunton-guess

Min. Zone:

ls. bleached  
shattered  
recemented  
350' E, or more  
120' N or more

Dump  
blue ls.

6,700 tons - est.  
3,300 tons - guess

Dump  
FeOx

Dump  
blue ls.

blue ls.

V. sh.

750?

head frame  
50°

blue ls.  
outcrops.

caved shaft?

Dump  
FeOx  
20' v.

V. sh.

26 lev. 460

Stope  
20 x 30 x 8  
in reg.

air

Float  
FeOx  
jasperoid

Dump  
blue ls.  
30' v.

45°  
pit  
FeOx

50°

(0.3 mi. NE of  
Polar star I found  
float of Gorster?)

ls.)

crest of hill

edit  
stope to surf.

gray ls.  
10 dip slope?