

3970 0006

(291)

Item 6

R e p o r t

o n

T H E R O C H E S T E R M I N E S C O .

Rochester, Humboldt County,

N e v a d a

Examination - June 9-10/13
Report June 23/13
By W.H. Sirdevan.

see also map files

R e p o r t

o n

T H E R O C H E S T E R M I N E S C O .

The following report is based on a two day examination of the Rochester Mines property. Most of the time was taken in sampling the main vein upon which five leases are being worked. This report may be considered as supplementary to the January report on the same vein, giving additional data, and showing the results of the development work to date. The ore-shoot in the vein - as indicated by the January sampling - is confirmed by the work in depth. The vein varies in width from 3' to 7.5' - the average width being about five feet. At Lease No.1 below the tunnel level the vein flattens to a dip of 45 W. At the south end of lease No.2 the dip is about 60 W; at the winze near the center of the lease the dip is almost vertical, and at the north end of the lease the dip is about 60 W again. At Lease No.3 the dip is about 60 W, while at Lease No.4 the dip varies from 60 W to almost vertical.

Leases Nos.1 and 2 cover the ore-shoot, and indicate about 200 feet of vein, average width five feet, and an average value of about \$14 per ton.

The high grade ore - carrying considerable of the black silver sulphides - is sorted and shipped.

This sampling indicates that the ore is of fair milling grade rather than a shipping proposition.

The leases extend for a period of eighteen to twenty months from the present date.

The prospects to the north of the main ore shoot are not very encouraging, and show only low grade ore. To the south the main vein has ^{not} been found in the Weaver No.2 claim. (See map).

The Colligan Lease on Weaver No.2 claim of the Rochester -Weaver Comapny -(Sheet No.5) - shows some high grade shipping ore. The ore is different from that in the Rochester Mines Company vein, being a soft, red oxidized ore containing a little ground quartz. About 50% of the value is in gold, wheras there is but a trace of gold in the Menzel vein ore. The country rock is much shattered, with vein walls irregular and changing in dip like fracture planes in the rock. This may be due to the proximity of the work to the surface, or it may be an indication that the ore is caused by surface enrichment only. Samples Nos. 1 and 3 are not from the same vein. Mr. Colligan claims \$102 per ton for his last shipment. Development work is progressing slowly here.

At Lease No.1 the bottom of the winze shows the vein to be eight feet in width. The quartz looks much richer than the assay of the sample - \$13.68. Mr. Robinson - of this lease - says that the samples No.7 and No.8 are in very low-grade mill ore, and represent the upper limit of the ore-shoot. The broken ore is said to be of shipping grade.

At Lease No.2 in the stope above the winze - the vein is from 8' to 10' in width, and assays taken here check those of Mr. Zulch - the present manager. (See Sheet No.2).

On Lease No.3 (Caustin) the ore in the main vein is very low grade. The main crosscut is being driven east to cut veins outcropping on the east side of the hill. Also the lower Caustin tunnel (See large topo map) is being driven to cut the main vein, and further east if the development from the upper crosscut discovers any veins of importance. The lower Caustin tunnel will intersect the main vein about 240' below the tunnel level on leases No.1 and No.2. The lower Caustin tunnel is the place from which Menzel made his first shipment of ore. The small vein at this tunnel entrance was not very persistent and was not high grade.

Assay Results.

No.	Width	G o l d		S i l v e r		T o t a l	P l a c e
		Ounces	Value	Ounces	Value		
1	17"	2.56	\$51.20	128.94	\$113.30	\$163.50	Colligan Lease
2	Grab	1.48	\$29.60	86.98	\$ 52.25	\$ 81.85	"
3	16"	.32	\$ 6.40	116.38	\$ 69.80	\$ 76.20	"
4	4'6"	tr	-----	42.40	\$ 25.40	\$ 25.40	No.1 Lease
5	2'0"	tr	-----	16.50	\$ 9.90	\$ 9.90	"
6	7'6"	tr	-----	22.80	\$13.68	\$ 13.68	"
7	4'3"	tr	-----	16.40	\$ 9.80	\$ 9.80	"
8	4'0"	tr	-----	18.60	\$ 11.15	\$ 11.15	"
9	4'10"	tr	-----	30.00	\$ 18.00	\$ 18.00	No.2 Lease
10	5'6"	tr	-----	26.20	\$ 15.70	\$ 15.70	"
11	3'6"	tr	-----	17.00	\$ 10.20	\$ 10.20	"
12	3'0"	tr	-----	9.00	\$ 5.40	\$ 5.40	"
13	5'0"	tr	-----	23.30	\$ 14.00	\$ 14.00	"
14	6'6"	tr	-----	25.40	\$ 15.20	\$ 15.20	"
15	3'6"	tr	-----	3.60	\$ 2.16	\$ 2.16	No.3 Lease
16	3'0"	tr	-----	6.30	\$ 3.78	\$ 3.78	"
17	4'0"	tr	-----	12.38	\$ 7.38	\$ 7.38	"
18	11'6"	.06	\$ 1.20	15.14	\$ 9.10	\$ 10.30	"
19	5'0"	tr	-----	9.60	\$ 5.76	\$ 5.76	No.4 Lease
20	7'0"	tr	-----	4.90	\$ 2.94	\$ 2.94	"

Big Four or No. I Lease

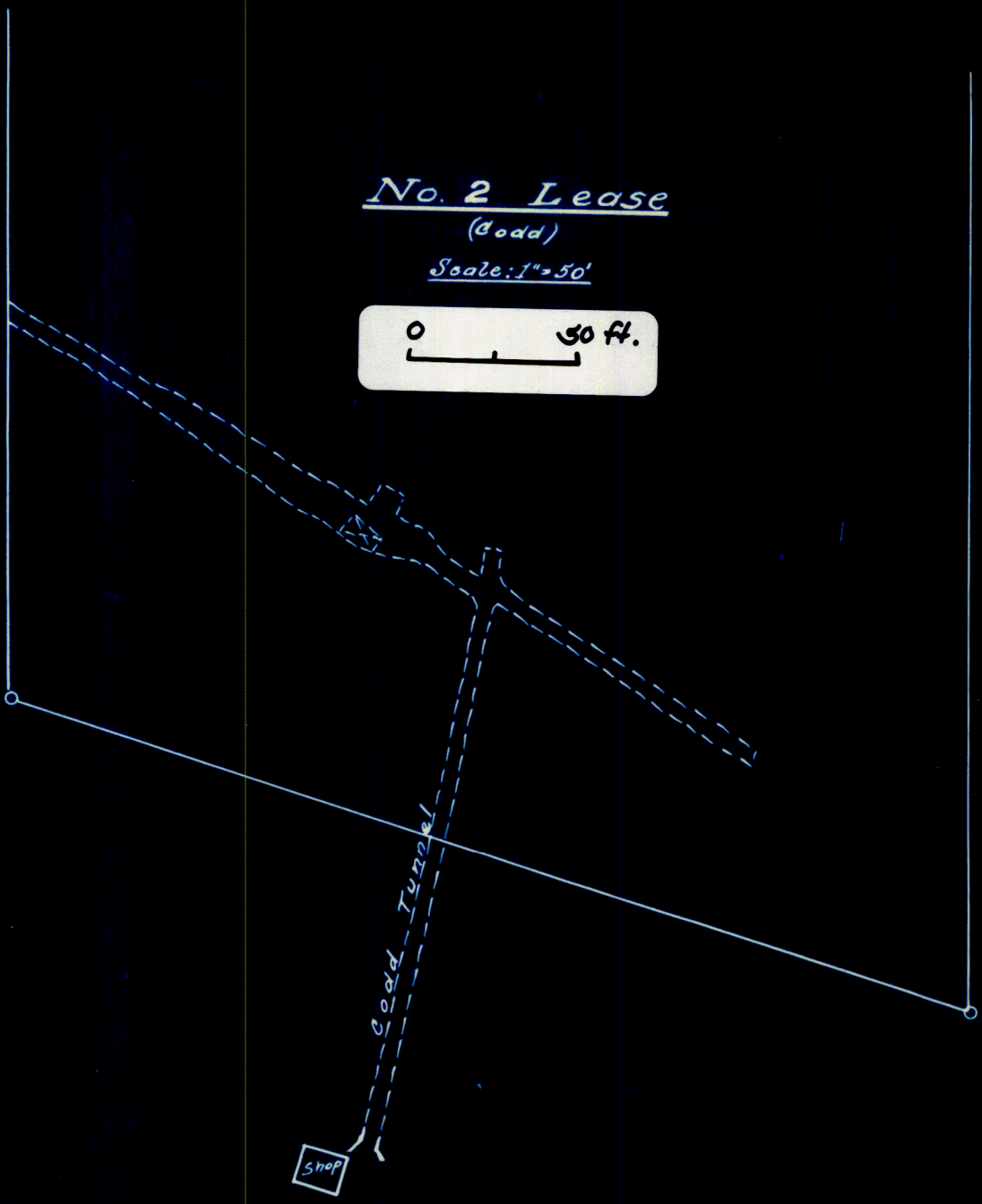
(Platt and Robinson)

Scale: 1" = 50'



Section along Vein.

Scale: 1" = 50'

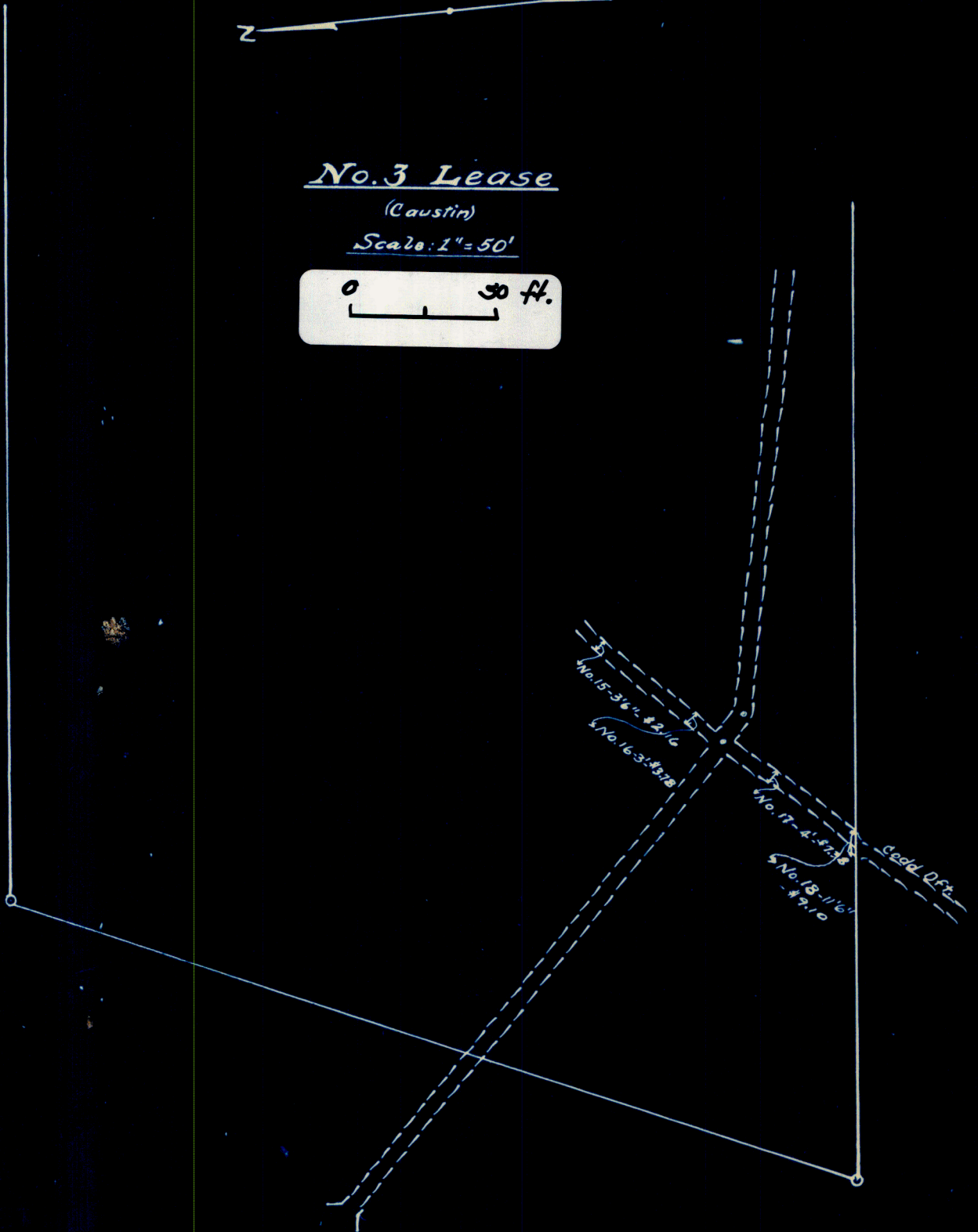
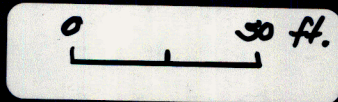




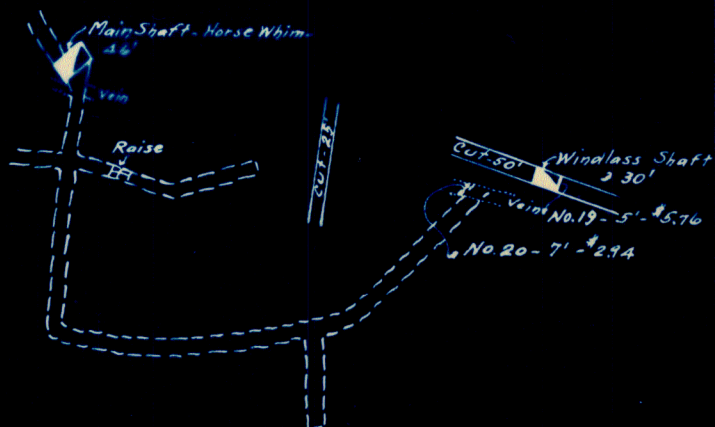
No. 3 Lease

(Caustin)

Scale: 1" = 50'



2



No. 4 Lease

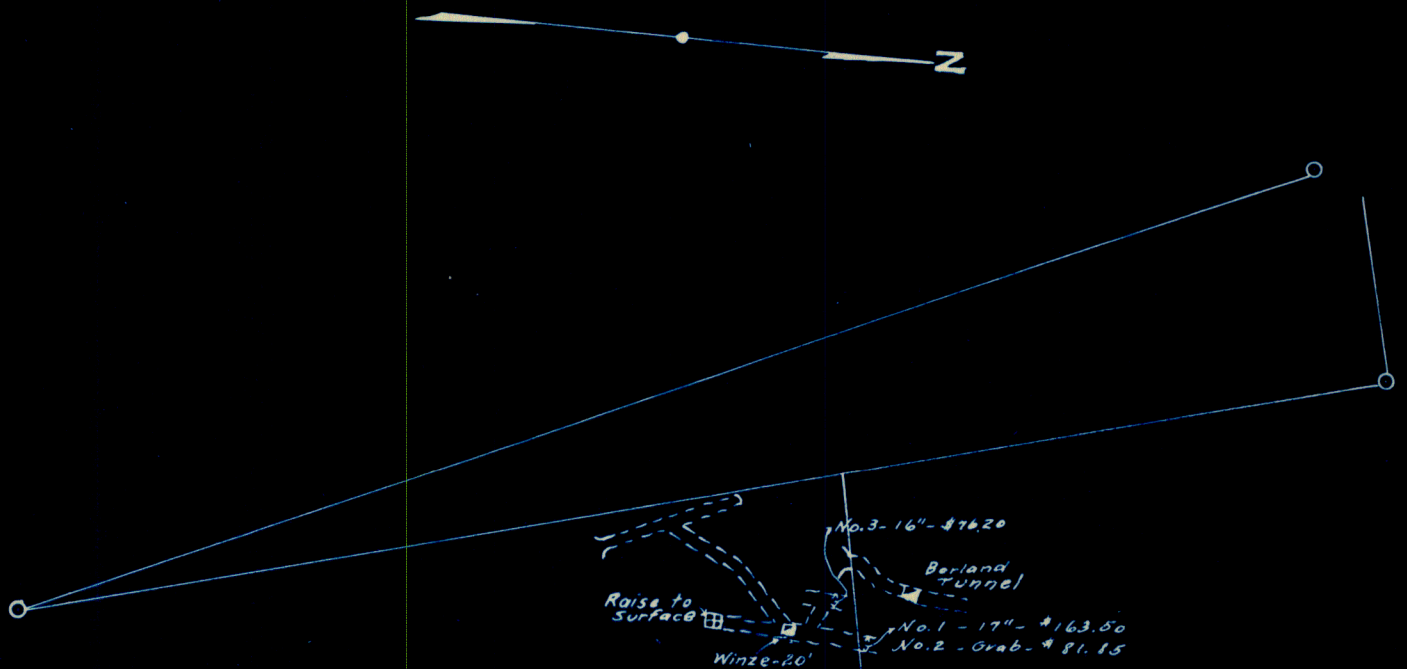
(Friedman and Hunter)

Scale: 1" = 50'



Colligan Lease

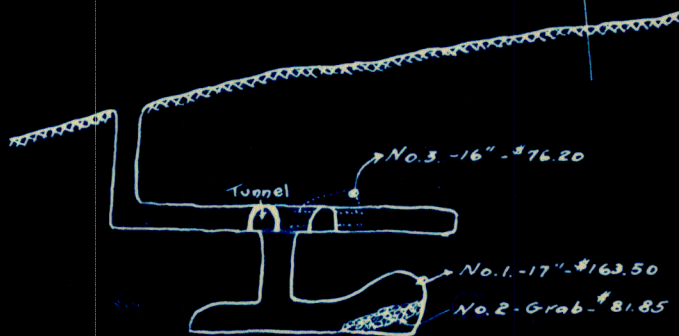
(ROCHESTER-WEAVER CO.)



Colligan Lease

Shea Lease

Scale: 1" = 100'



Section thru Raise and Winze

Scale: 1" = 50'

