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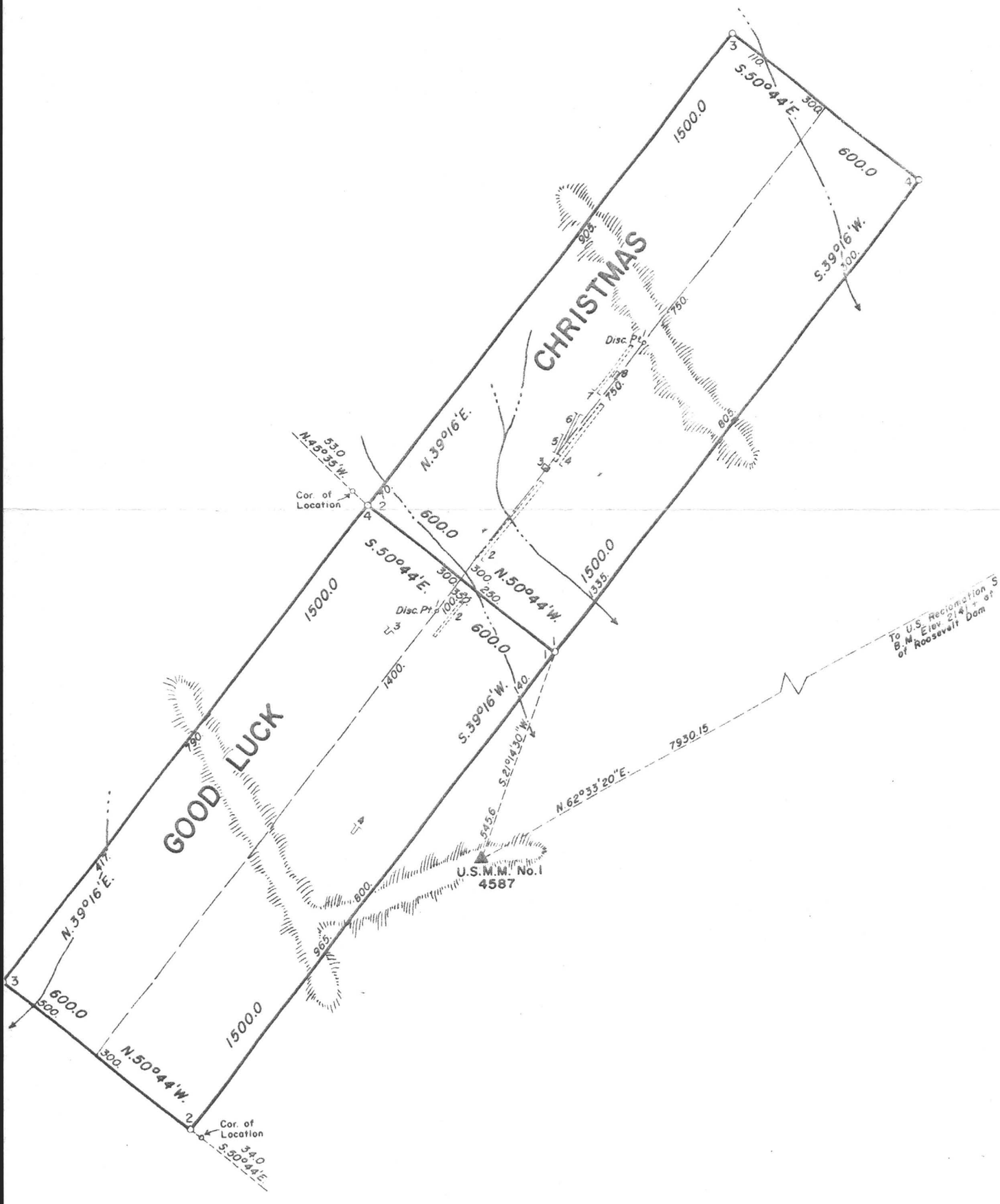
T.4N.


GOOD LUCK
CHRISTMAS
N.39°16'E.
S.50°44'E.
N.50°44'W.
S.39°16'W.
1500.0
600.0
Cor. of Location
Disc. Pt.
U.S.M.M. No. 1
4587
N.62°33'20"E.
7930.15
To U.S. Reclamation B.M. Elev. 2141 + of Roosevelt Dam
S.21°14'30"W.
N.49°35'W.
S.50°44'E.

CHRISTMAS VEIN

Environment.

Crops out on a steep mountainside.

In schist with granite close by toward the southeast.

Not far above the upper workings, the schist and granite terrane is capped by Scanlon conglomerate and Pioneer formation.

The Vein

Heavily sheared schist, abundantly sericitized, 2 to 5 feet wide. Strikes N 40° E. Dips steeply to the southeast. Exposed for over 750 feet along strike, through a vertical range of about 200 feet.

Mineralization

Abt. sericite; scattered small lenses of glassy quartz, not abundant. Tiny specks and patches of sulfides (probably pyrite and chalcocite) now oxidized to a maroon and dark-colored limonite. A few copper oxides here and there.

Ore is an oxidized gold ore.

Appears to be an en echelon arrangement of shoots along the vein splits?

CHRISTMAS CLAIM. SAMPLES

A – Brown-stained schist. Silicified and sericitized. Contains subordinate amount of lenses and patches of quartz – Scattered maroon specks in places in schist. Small patches of brown iron oxide associated with quartz (after pyrite and copper sulfs.)

From brow of uppermost workings (not on map).

Width of chipped sample about 2½ feet.

0.46 oz Cu = $16.10
0.39 oz Ag = 0.39
$16.49

B –

Gray schist with light-brown staining. Heavily sericitized. Patches of maroon and brown iron oxides indigenous after sulfides. Apparently no quartz lenses. Cu. ox. shows on pieces on dump. Width of chipped sample = 2½ ft.

From third level up from bottom. Brow at the portal of tunnel

1.68 oz Cu = $58.80
0.70 oz Ag = 0.87
$59.67

-C-

C - Gray schist, abundantly sericitized. A few patches & smears of iron oxide. Scattered, very tiny maroon specks in places along schistosity.

From north end of first (uppermost) trench. (Just above shaft.)

Clipped sample — 5 ft width

1.72 oz Au = $60.20
0.90 oz Ag = 1.16
$61.36

D - Gray schist with smears and specks of maroon iron oxide. Mod. to abt. sericite. A few small lenses of quartz

From tunnel in from shaft. Sample taken from the back between two stopes.

0.62 oz Au = $21.70
0.40 oz Ag = 0.52
$22.22

Clipped sample 2 feet wide

E - Gray schist, sericitized. Tiny specks & smears of red iron oxide. Not so abundant. A few tiny lenses of quartz.

From face of lower tunnel - About 250 ft. in from portal.

0.16 oz Au = $5.60

Clipped sample — 2 ft wide

750

$$\frac{400 \times \overset{8}{\cancel{100}} \times 8}{\cancel{12.5}}$$

$$\begin{array}{r} 24 \\ 400 \\ \hline 9600 \end{array}$$

Smith Samples

Sample No.:

P-1 = 2.2 × $53.95

P-2 = 5.1 × 16.72

P-3 = 2.2 × 42.42

3.2' @ @ $31.29 ✓

Pennebaker Samples

Sample No.:

B — 2.25' × $59.67

C — 5.00 × 61.36

D — 2.00 × 22.22

3.1' @ $52.49 ✓

$$\frac{160 \times \overset{8}{\cancel{100}} \times .3}{\cancel{12.5}} = 3800$$

tons per 100' depth

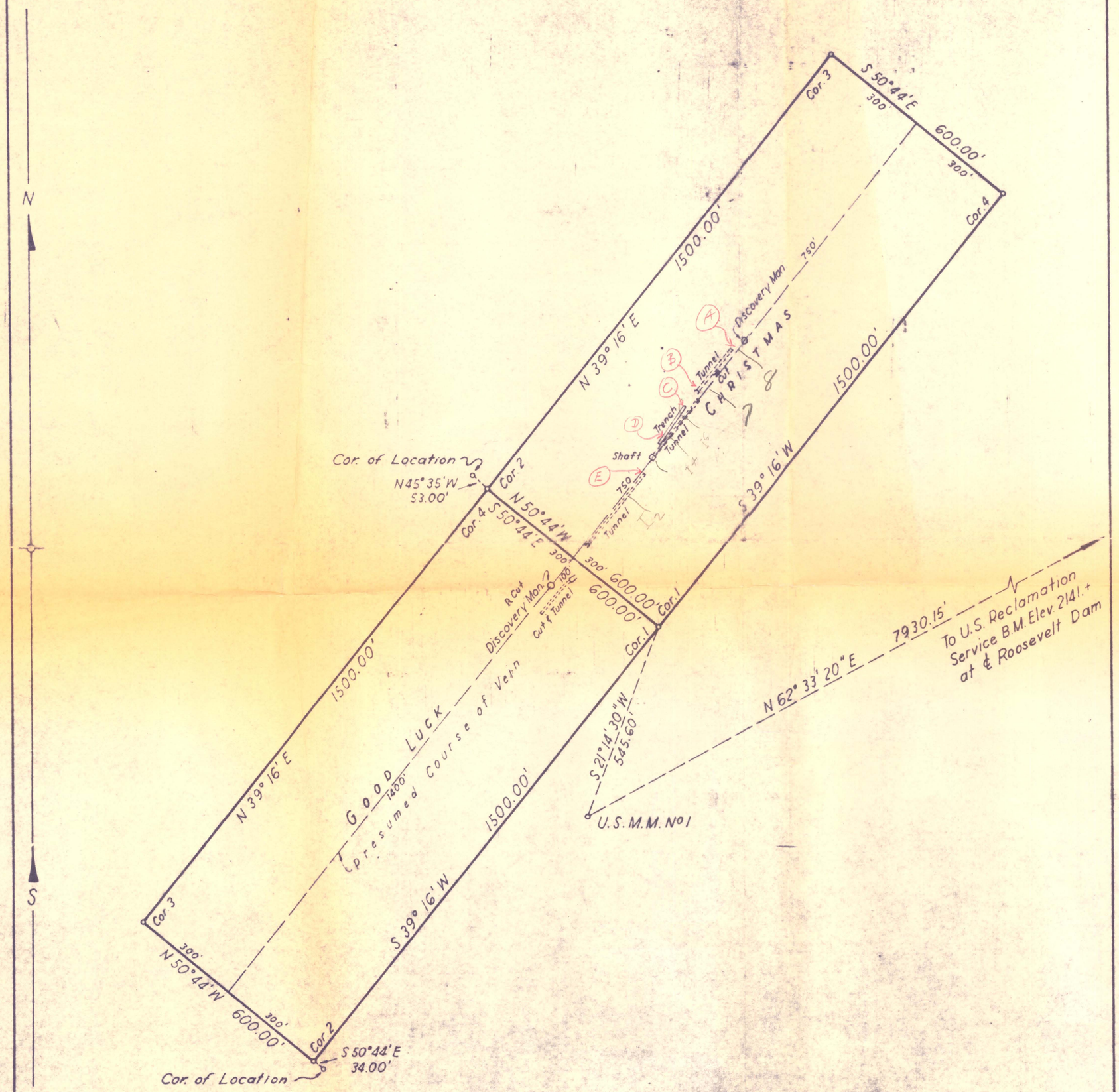
52.49
31.29
2) 83.78
$41.89 ✓
27.00 ✓
$14.89 ✓ to cover getting ore across river and profit

Mining — $12.00
Hauling — 5.00
Smelting — 10.00
$27.00

Tons	Gold oz/ton	Gold Total oz.	Silver oz/ton	Silver Total oz.
23	0.700	16.10 ✓	1.26	28.98 ✓
14	0.630	8.82 ✓	0.55	7.70 ✓
320	0.552	176.64 ✓	0.51	163.20 ✓
491	0.386	189.53 ✓	0.28	137.48 ✓
848 ✓ ←	Totals →	391.09 ✓		337.36 ✓
		@ $35.00 = $13,688.15 ✓		@ $1.293 = $436.21 ✓

13,688.15
436.21
$ 14,124.36 ✓ (811)

848 tons = $16.66 gross (16.41) value per ton at today's metal prices



MINERAL SURVEY
No 4587
ARIZONA

CLAIMS OF
WILLIAM H. PASSEY

KNOWN AS THE
CHRISTMAS AND GOOD LUCK LODES

SITUATE IN
SEC. 25, T. 4 N., R. 12 E.
GILA AND SALT RIVER MERIDIAN
GILA COUNTY

TONTO BASIN MINING DISTRICT

0 50 100 200 300 400 500
FEET

Magnetic Declination, 14° 20' East.

Surveyed April 2 to April 15, 1962
By Oscar T. Smith
Mineral Surveyor