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RECONNAISSANCE

REPORT

ON

NEW DEAL MINING CLAIMS

SPRING CREEK MINING DISTRICT

GILA COUNTY, ARIZONA

owners

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New Deal Claims

Spring Creek Mining Distrtct

Gila County, Arizona

Property
The property consists of 8 unpatented mining claims known as the "New Deal" numbers 1 through 8 inclusive, recorded in Docket 492, pages 887-890, Docket 497, pages 62-73, and Docket 560, pages 779-781 in the Gila County Record of Mines. Bureau of Land Management registration numbers are: AMC 94490-94491, 102079-102082 and161357-161358.

Location
The New Deal Group is located in the Spring Creek Mining District in the Northern end of the Sierra Ancha Mountains in Sections 1, 2, and 12, T 9 N, R 12 E, Gila and Salt River Meridian, Gila County, Arizona. The property is located 10 miles west of Young, the nearest town, and 88 miles from Globe, the nearest shipping point.

History
Local residents claim that the mine was first operated before 1897 by the owner, Mr. Houdon who was ambushed and killed by indians. Later in the 30s the property was sporadically operated by unknown parties with unrecorded results, however, they left two piles of reject ore that indicates the minimum tenor of the ore encountered. The only remnants of early operations are a crumbling hoist house and ore bin. Scraps of mill machinery are scattered in the vicinity. A caved incline shaft and several open cuts were excavated for a distance of 500 feet along a quartz outcrop which strikes about N40W and dips about 32 degrees northeast. Another vein system about 1000 feet southeast of the shaft was prospected by two open cuts exposing a good grade of gold ore as evidenced by the stockpile at the site. This vein strikes about N45E to N60E and dips about 70 degrees east. The outcrop can be traced for 600 feet.

Geology
The entire mine area is of steep relief with block faulting and deep erosional channels creating steep alluvial slopes and cliff forming quartzite and conglomerate members. The prevailing country rock is ~~Final~~ schist of Pre-Cambrian age. The schist is predominantly quartzitic phasing into a chloritic greenstone. Quartz and Rhyolite intusives are predominant and control the ore mineralization. The quartz and rhyolite veins blend and separate indicating that they

Also see:

GSA Bulletin 1958
V. 59 No 12
pp 1495-1513
"Older Pre-Cambrian Rocks of the Diamond Butte Quadrangle Gila County, Arizona" by Gordon Gastil

followed the same intrusive channel. It appears that the quartz was in place and solidified before the incidence of the rhyolite, however both contain gold mineralization. Vein minerals are quartz, pyrite, hematite, limonite, jarosite, chalcopyrite, galena, free gold, and gold in combination with sulfides. Some copper carbonates are present in small amounts.

Ore Reserves

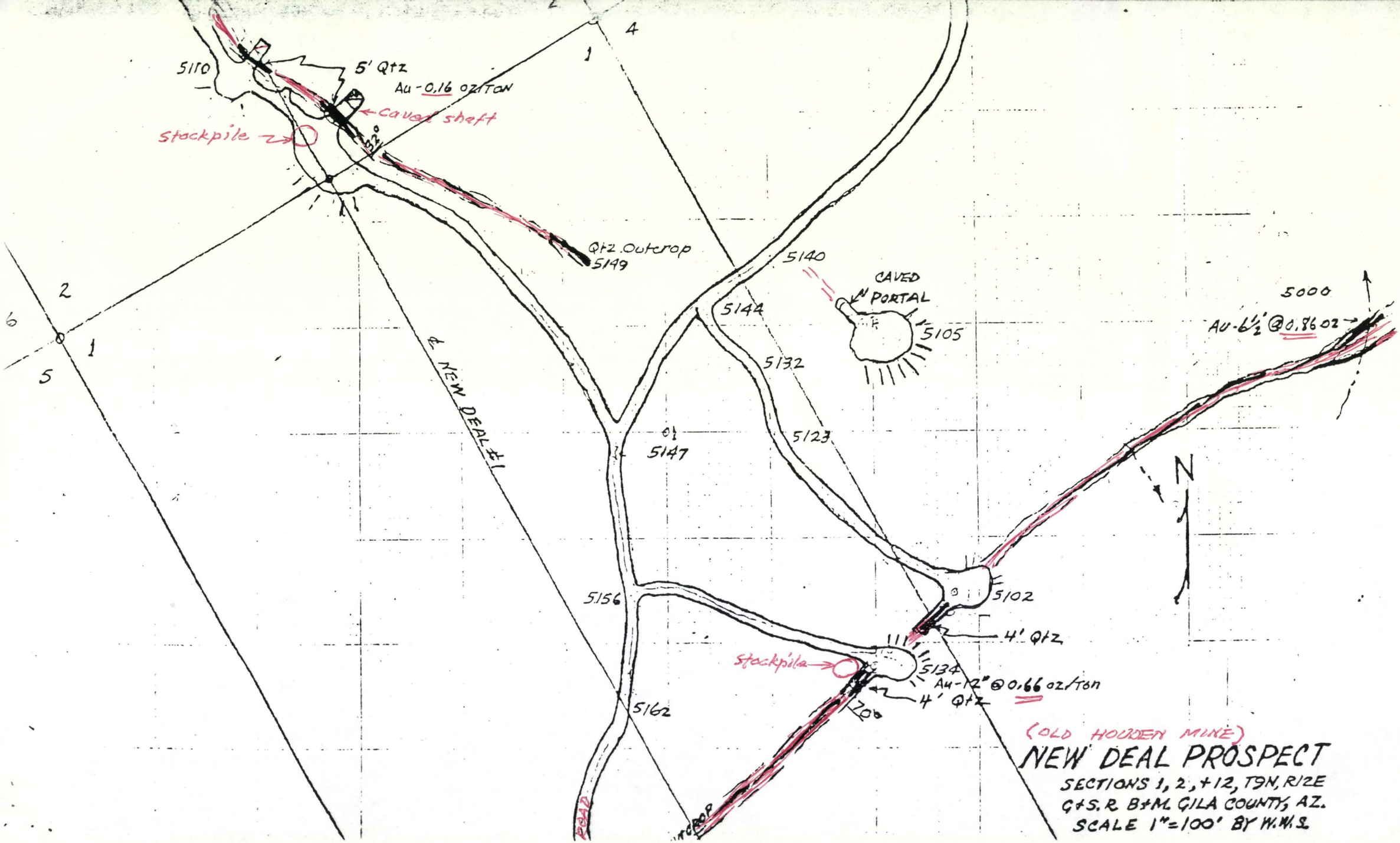
Until the inclined shaft is re-opened to allow access to the underground workings on the inclined vein, and some exploratory drilling or drifting on the vertical vein, it is difficult to project ore reserves, however some inferences can be drawn from the evidence at hand. The inclined vein is exposed for 500 feet varying from 30 to 60 inches in width. Channel and grab samples from the test pits and stockpiles give assays from .08 to .88 oz./ton of gold. The near vertical vein was sampled in the same manner for an outcrop distance of 600 feet with assays ranging from .20 to .90 oz./ton. Below is a ball park estimate of the potential of these two veins

| | Inclined vein | Vertical vein |
|---|---|---|
| Vein dimensions-ft. | 4 x 500 x 200 | 5 x 600 x 200 |
| Cubic volume-cu. ft. | 400,000 | 600,000 |
| Tons of ore | 33,333 | 50,000 |
| Ore grade-oz./ton | 0.16 | 0.25 |
| Gold price (Current 5/82) | 333 | 333 |
| Value per ton | 53.28 | 83.25 |
| Reserve value | $1,775,982 | $4,162,500 |

Development of this property to depth would increase this estimate many times.

Development Objectives

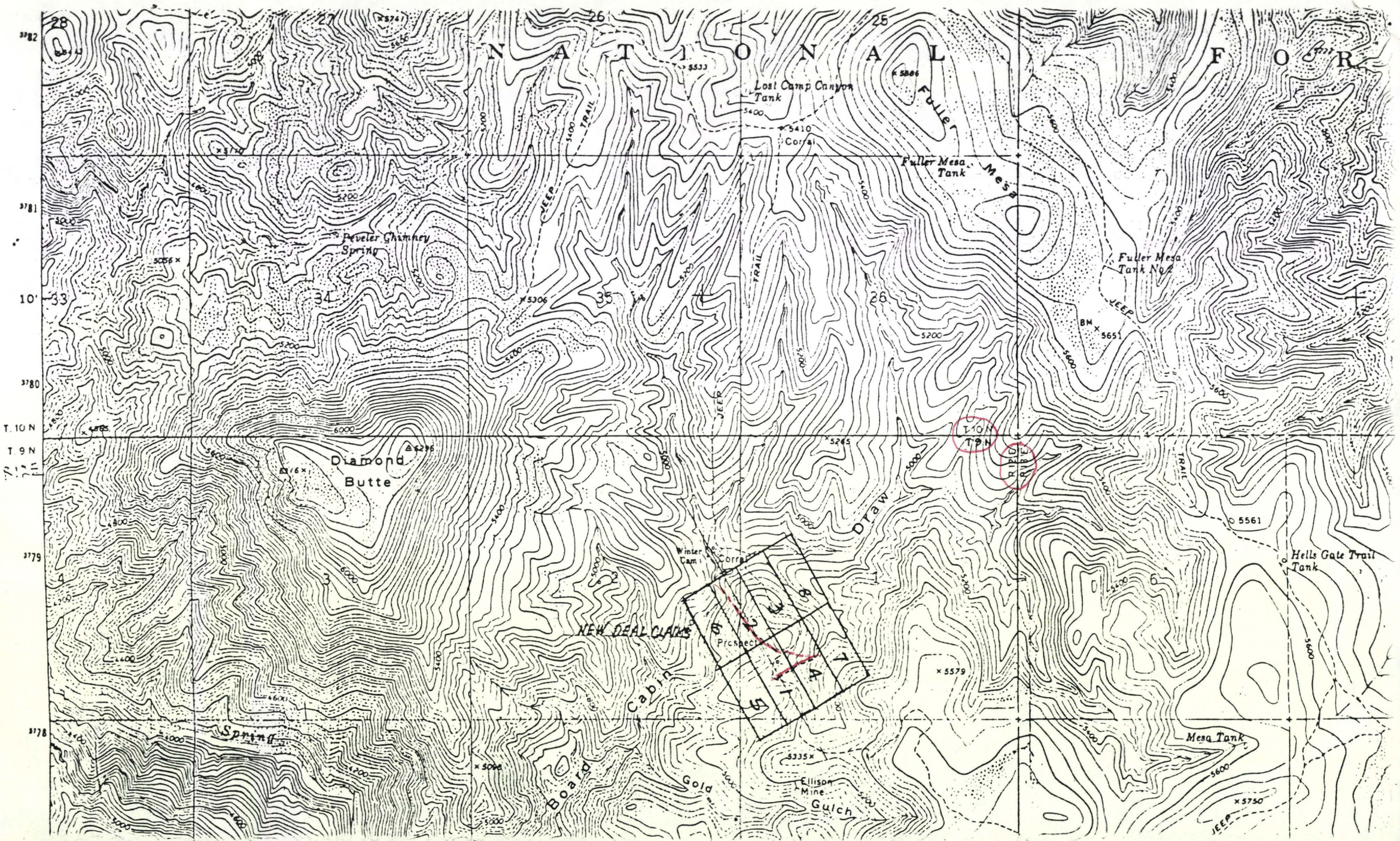
Re-opening the shaft would disclose the underground workings and permit sampling and mapping of the existing mine and provide the data necessary to plan the mining operation and scope of future work. Driving the adit to explore the vertical vein will produce immediate ore for stockpiling or sale as smelter flux and will give access to the ore body for overhead ore extraction and vertical development.
When the indicated tonnage and grade have been proven sufficient to support a concentrating facility, this phase of the program may proceed with confidence. Other gold properties nearby would produce additional ore to increase the feasability of a custom mill.




(OLD HOWDEN MINE)

# NEW DEAL PROSPECT

SECTIONS 1, 2, & 12, T9N, R12E
G&S.R. B&M. GILA COUNTY, AZ.
SCALE 1"=100' BY W.M.S.



NATIONAL FOR
Lost Camp Canyon Tank
Corral
Fuller Mesa Tank
Fuller Mesa
Fuller Mesa Tank No 2
Peveler Chimney Spring
JEEP TRAIL
Diamond Butte
Winter Cam
Corral
NEW DEAL CLAIMS
Prospect
Cabin
Board
Draw
Gold
Gulch
Ellison Mine
Spring
Mesa Tank
Hells Gate Trail Tank
T. 10 N
T. 9 N
T. 10 N
T. 9 N
RIDE
RIDE
JEEP
TRAIL