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MAR 7 - 1955

Messrs. H. E. Ruckteschler, Frank Wagner
and Ernest Cerini
P. O. Box 671
Winnemucca, Nevada

Re: Docket No. DMEA 394 - Tungsten
Forge Property
Pershing County, Nevada

Gentlemen:

Your application for aid for an exploration project and other data available to us in Washington relating to the above noted property, have been carefully reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgement, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information leads to the conclusion that although scattered showings of scheelite are found along a tactite zone, these are of a low grade, and indicates to us that the probability of discovering minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise, therefore, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Exploration Administration program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

TLChapman:foc
3-2-55
cc to: Docket
Case 400
Adm. Reading File
Operating Comm.
Ft. Reg. 2
W. McInnis, USBM
Thor H. Kiilsgaard, USGS

March 3, 1955

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $23,600.00
Docket No. DMEA 3454 - Tungsten
H. E. Backtoschler, Frank Wagner and Ernest Cerini
Forge Property
Pershing County, Nevada

The denial of the subject application by this Division is based on the following information:

1. The applicant requested exploration assistance in the amount of $23,600.00 to explore for tungsten ores along a tactite zone which shows scheelite mineralization.

2. The property is known as the Forge and consists of nine unpatented lode mining claims. It is located in the Eugene Mountains, Central Mining District, Pershing County, Nevada, and is in section 2, T. 33N., R. 34 E. It is about one mile southerly from the Nevada-Massachusetts mill.

3. The Forge property was first located and worked for gold-silver values. Prior to 1918 it is reported that some silver ore was shipped from the property. The claims were re-located in 1940 for its tungsten values. An inclined shaft, several short adits, and a number of pits and trenches were excavated to explore a tungsten-bearing tactite bed. Later these beds were further explored by bulldozer trenches. In 1947, a lessee drove along the tactite zone a 285 foot adit to reach the possible downward extension of a good surface exposure. In 1952, two other adits were driven under the mineralized zones, but none of this work found any mizable ore.

4. This area is underlain by a grano-diorite which has intruded calcareous and argillaceous meta-sedimentary rocks. These units are cut by narrow hornblende andesite dikes. Tactite which locally contains scheelite is found associated with the calcareous rocks.

5. To explore the area the applicant proposes to extend the East crosscut 30 feet to a limestone wall, extend the West crosscut 30 feet to cut a limestone bed, then sink a 100 foot vertical shaft from the present face of this crosscut and drift 40 feet each way from the bottom of the shaft, and also to sink a 100 feet inclined shaft near the portal of the Kerr tunnel and drift 40 feet each way from the bottom of this shaft.

6. Of eight samples taken from the better showings by the Field Team, the highest showed 0.18 percent WO_3. Higher grade samples are reported by the Applicant, but were not verified by the Field Team.

7. All data indicate that the property has been well explored without finding ore of a minable grade and that further exploration is not likely to improve this position.

8. The Field Team and the Commodity Divisions of the Geological Survey and Bureau of Mines recommend denial of the application.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

TLCHAPMAN:fcc
3-2-55
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.

400

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

February 23, 1955

Re: DMEA-349
Ruckteschler, Wagner, and Cerini
(Forge Property)
Pershing Co., Nevada
$23,600 - Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field Team examination report

The operator proposed to further explore three tactite zones by 420 feet of underground work, as follows:

1.) Extend East crosscut 30 feet.

2.) Extend West crosscut 30 feet, sink 100 foot shaft and drift 80 feet from the bottom of the shaft.

3.) Sink 100 foot inclined shaft and drift 80 feet in tactite near portal of Kerr tunnel.

The Field Team has recommended the application be denied. The applicant's proposal is not geologically justified for the following reasons:

1.) Extension of East crosscut is unlikely to find better mineralization on the east side of the tactite zone. No geologic evidence of an increase from west to east thru the zone.

2.) Extension of West crosscut to cut a second limestone bed is not feasible as a second limestone bed does not crop out at the surface.

3.) The Kerr tunnel has explored under the best surface exposure of scheelite-bearing tactite without finding any significant amount of mineralization. This work has indicated that higher grade material is unlikely to be found at greater depth.

The results from eight samples taken of representative mineralization on the property ranged from 0.01 to 0.18 percent WO_3. With the exception of one assay (0.18% WO_3) which was obtained from material above the Kerr tunnel, all of the sample assays were less than 0.1 percent WO_3.

There is no record of any past production and all inferred reserves contain considerably less than 0.2 percent WO_3.

Although four mineralized limestone beds containing tactite zones are exposed on the property, the amount of mineralization is very limited. The character of the deposits is best described as sparsely disseminated scheelite which occurs locally in small parts of the tactite zones. Sufficient exploration has been done on the property to indicate that a significant discovery cannot reasonably be expected by further exploration under the DMEA program.

I recommend the application be denied.

E. L. Newcomb

ELNewcomb:hlm
G-2/23/55

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
R. W. Geehan, 3513 Interior

IN REPLY REFER TO:

456

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

February 23, 1955

Re: DMEA-3494
Bucktaschalar, Wagner,
and Cerini
(Forge Property)
Pershing Co., Nevada
$23,600 - Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field Team examination report

The operator proposed to further explore three tactite zones by 420 feet of underground work, as follows:

1.) Extend East crosscut 30 feet.

2.) Extend West crosscut 30 feet, sink 100 foot shaft and drift 80 feet from the bottom of the shaft.

3.) Sink 100 foot inclined shaft and drift 80 feet in tactite near portal of Kerr tunnel.

The Field Team has recommended the application be denied. The applicant's proposal is not geologically justified for the following reasons:

1.) Extension of East crosscut is unlikely to find better mineralization on the east side of the tactite zone. No geologic evidence of an increase from west to east thru the zone.

2.) Extension of West crosscut to cut a second limestone bed is not feasible as a second limestone bed does not crop out at the surface.

3.) The Kerr tunnel has explored under the best surface exposure of scheelite-bearing tactite without finding any significant amount of mineralization. This work has indicated that higher grade material is unlikely to be found at greater depth.

The results from eight samples taken of representative mineralization on the property ranged from 0.01 to 0.18 percent WO_3. With the exception of one assay (0.18% WO_3) which was obtained from material above the Kerr tunnel, all of the sample assays were less than 0.1 percent WO_3.

There is no record of any past production and all inferred reserves contain considerably less than 0.2 percent WO_3.

Although four mineralized limestone beds containing tactite zones are exposed on the property, the amount of mineralization is very limited. The character of the deposits is best described as sparsely disseminated scheelite which occurs locally in small parts of the tactite zones. Sufficient exploration has been done on the property to indicate that a significant discovery cannot reasonably be expected by further exploration under the DMEA program.

I recommend the application be denied.

E. L. Newcomb

ELNewcomb:hlm
G-2/23/55

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
R. W. Geehan, 3513 Interior

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

February 23, 1955

Re: DMEA-3494
Buchtenschalm, Wagner, and Carini
(Forge Property)
Pershing Co., Nevada
$23,600 - Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field Team examination report

The operator proposed to further explore three tactite zones by 480 feet of underground work, as follows:

1.) Extend East crosscut 30 feet.

2.) Extend West crosscut 30 feet, sink 100 foot shaft and drift 80 feet from the bottom of the shaft.

3.) Sink 100 foot inclined shaft and drift 80 feet in tactite near portal of Kerr tunnel.

The Field Team has recommended the application be denied. The applicant's proposal is not geologically justified for the following reasons:

1.) Extension of East crosscut is unlikely to find better mineralization on the east side of the tactite zone. No geologic evidence of an increase from west to east thru the zone.

2.) Extension of West crosscut to cut a second limestone bed is not feasible as a second limestone bed does not crop out at the surface.

3.) The Kerr tunnel has explored under the best surface exposure of scheelite-bearing tactite without finding any significant amount of mineralization. This work has indicated that higher grade material is unlikely to be found at greater depth.

The results from eight samples taken of representative mineralization on the property ranged from 0.01 to 0.18 percent WO_3. With the exception of one assay (0.18% WO_3) which was obtained from material above the Kerr tunnel, all of the sample assays were less than 0.1 percent WO_3.

There is no record of any past production and all inferred reserves contain considerably less than 0.2 percent WO_3.

Although four mineralized limestone beds containing tactite zones are exposed on the property, the amount of mineralization is very limited. The character of the deposits is best described as sparsely disseminated scheelite which occurs locally in small parts of the tactite zones. Sufficient exploration has been done on the property to indicate that a significant discovery cannot reasonably be expected by further exploration under the DMEA program.

I recommend the application be denied.

R. L. Newcomb

RLNewcomb:hlm
G-2/23/55

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
R. W. Geehan, 3513 Interior

400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

420 Custom House
555 Battery Street
San Francisco 11, Calif.

February 7, 1955

WBM

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3494 - Tungsten
Ruckteschler, Wagner, and Cerini
Forge Property
Pershing County, Nevada

Reference is made to your letter of November 26, 1954, requesting a field examination and recommendations on above subject property.

Attached are four copies of a report entitled "DMEA-3494, Forge Property, Pershing County, Nevada," by Henry W. Jones, Mining Engineer, U. S. Bureau of Mines, and Earl H. Pampeyan, Geologist, U. S. Geological Survey, dated January 31, 1955.

The report recommends that the application for an exploration loan be denied and Roscoe Smith and I agree with the recommendation.

Sporadic scheelite mineralization occurs in thin beds of tactite. These beds have been reasonably well explored by surface trenching and by crosscuts and drifting. Sampling results would indicate that there is no reasonable expectancy of discovering significant tonnage of ore that would contain over 0.20 per cent WO_3.

S. RICKER

S. Ricker
Executive Officer
DMEA Field Team, Region II

cleared
OC
2/18/55

Attachment

Copy to: Roscoe Smith, USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

DMEA-3496, Forge Property

Pershing County, Nevada

(Tungsten)

Henry W. Jones, Mining Engineer
U. S. Bureau of Mines

Earl H. Pampeyan, Geologist
U. S. Geological Survey

January 31, 1955

EXAMINATION REPORT

Docket No.: DMEA-3494 (Tungsten)

Name and address of applicant: H. E. Ruchteschler, P. O. Box 671, Winnemucca, Nev.
Frank Wagner, Winnemucca, Nev.
Erine Cerini, Lovelock, Nev.

(Partners)

Name and location of property: Forge Property
Pershing County, Nevada

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

An application was presented to the DMEA for underground exploratory assistance on the Forge tungsten property, located in the Eugene Mountains, Pershing County, Nev. The loan request, submitted on Nov. 10, 1954 by the applicants, proposed a program costing $23,600. The work, to be done in three separate areas, is summarized as follows:

1. 30 feet of crosscutting in the East adit.

2. 30 feet of crosscutting, 100 feet of vertical shaft sinking, and 80 feet of drifting in the West adit, and

3. 100 feet of shaft sinking and 80 feet of drifting from near the Kerr Tunnel. The purpose of sinking is to pick up a higher grade of scheelite hoped to exist at depth.

A joint Bureau of Mines-Geological Survey examination was accordingly arranged to determine if sufficient mineralization was present or inferred, to justify Government assistance.

Examination of surface and underground exposures with an ultra violet lamp did reveal localized hot spots of scheelite, but samples cut from these hot spots assayed less than 0.2% WO_3.

It is recommended that the applicants' request for a DMEA loan on the Forge property be denied because of the sporadic distribution of scheelite in the tactite and the absence of ore reserves.

TIME SPENT ON PROPERTY

The property was examined on December 14 and 15, 1954 by the DMEA field team[1/] accompanied by Frank Wagner, one of the partners. Previous examinations of the property were made by Bureau engineers in August 1941 [2/] and again on June 14, 1944 [3/]. Geological mapping of the area was completed by the Federal Geological Survey in June 1943 [4/].

LOCATION

The Forge property consists of nine unpatented lode claims. The Gold Coin, Gold Coin #1 and Gold Coin #2, Silver Dollar, Silver Dollar #1 and Silver Dollar #2, Lucky Boy, and Lucky Boy #1 and Lucky Boy #2; all held by location. They are situated in the Central Mining District, section 2, T. 33 N., R. 34 E., near the southern end of the Eugene Mountains, Pershing County, Nev. Mill City, a small

1/ Jones, H.W., mining engineer, Bureau of Mines and Pampeyan, E.H., geologist, USGS.
2/ Ricker, S., mining engineer, Bureau of Mines.
3/ Benson, W.T., unpublished W.M.R. Nev.82.
4/ Chesterman, C.W., unpublished confidential report, USGS, Forge (Gold Coin) claims, Eugene Mtns., Pershing Co., Nev. June 26, 1943.

station on the Southern Pacific Railroad and U.S. Highway 40 is located about seven miles southeast of the property. The claims are reached by traveling to Mill City on U.S. Highway 40, about 28 miles west of Winnemucca, Nev. From this point travel the paved Nevada-Massachusetts mine road 6.2 miles to a turnoff to the west (1/2 mile below the Nevada-Massachusetts mill); an ungraded year around mine road is then followed 1.3 miles up a small gully to the mine workings.

COMPETENCY OF APPLICANT

Mr. H. E. Ruckteschler, who is a successful business man in Winnemucca, will finance the operations. Ernest Cerini operates a service station in Lovelock, and Frank Wagner, the only partner with a working knowledge of mining methods, is in the drayage business in Winnemucca.

The applicants appear to be competent financially, however, the apparent mining knowledge of Mr. Wagner is confined to working in mines and not in supervision or planning. If a loan should be granted, it is believed a competent engineer should be hired to direct operations.

APPLICANTS' PROPERTY RIGHTS

The nine claims previously mentioned are filed in Book 9, pages 464, 465, 466, 441, 442, 467 and 468 in the Pershing County courthouse at Lovelock, Nev., under the names of Philip Forge, Ernest Cerini, and Frank Wagner. The properties are held under option to

purchase by H. E. Ruckteschler, Ernest Cerini, and Frank Wagner, purchase price set at $300,000 as covered in the official agreement drawn up and included with the docket file application.

HISTORY

The Forge property, situated 1 mile south of the Nevada-Massachusetts tungsten mines, was first located and prospected as a gold and silver claim. Some silver was reportedly mined and shipped from a number of small cuts and short adits just above the present workings prior to 1918. The area was again taken up for tungsten in 1940 by the present owners and additional claims staked to make up the existing claim group. An inclined shaft, several short adits, and a number of pits and trenches were excavated shortly afterward to explore the tungsten-bearing tactite zones and beds. A geological map[4/] was made of the property showing an extended tactite zone to the southeast of the central workings. Accordingly several bulldozer trenches were made by the owners exposing the zone along most of the mapped length. In 1947, a 285-foot adit was driven by Karr and Atkinson (lessees) from approximately the 5615-foot elevation under a rich scheelite pocket noted in the southeastern part of the map area. Only meagre scheelite indications were lamped along the length of the adit, including under the surface pocket. In 1952, two adits were driven; one to the west and the other to the east from near the gully bottom at an approximate elevation

of 5640 feet. The west adit driven for 120 feet encountered scheelite scattered in a zone between 53-65 feet. An additional small lens was noted in the floor at the face. The east adit driven for 150 feet under the surface tactite bodies showed only minor amounts of scheelite mineralization.

The applicant stated that he had no knowledge of any scheelite ore being shipped from the mine.

LABOR AND LIVING CONDITIONS

There is no housing or equipment on the property. The nearest available housing accommodations are in Imlay and they are considered quite limited. Mining personnel is available in Winnemucca, 34 miles northeast of the property, and occasionally from the nearby Nevada-Massachusetts mine. Transmitted electric power is available from the nearby Sierra Nevada power line which services the Nevada-Massachusetts mine. Mining equipment and supplies can also be obtained from Winnemucca.

PHYSICAL FEATURES

The claims are at an elevation of 5600-5700 feet in low rolling foothills directly adjoining the Humboldt River flood plains to the south. The southern part of the Eugene mountains lie immediately to the north. The area is typified by wide flat valleys and generally rugged mountains rising abruptly from small foothills. The climate is arid with relatively hot summers and cold winters. Precipitation occurs mostly in the form of snow in the winter months with occasional summer flash floods.

The area is accessible on oiled roads the year round, with the last mile of mine road passable at all times. Water for domestic and mine use is available with a well located in the flat, 1 mile south of the property. The surrounding area is covered by a sparse growth of sagebrush and desert grass.

GEOLOGY

The Forge property is underlain by medium-grained granodiorite which has intruded calcareous and argillaceous meta-sedimentary rocks. These units are cut by narrow hornblende andesite dikes. Tactite which locally contains scheelite, is found associated with some of the calcareous beds. The sedimentary rocks strike N. 5-10° W. and dip vertical to 80° east. The beds are offset by faults of small displacement.

Yellow-brown hornfels comprise most of the meta-sedimentary series. This metamorphosed shale and mudstone is soft and easily weathered except where silicified and hardened along the bands of tactite. Blue and white mottled limestone in beds as much as 60 feet thick comprise the rest of the meta-sedimentary rocks. Two of these beds are reported to be similar to, and possibly extensions of, the "Mill Beds" at the nearby Nevada-Massachusetts tungsten mine [4/], and contain irregularly sized, lenticular bodies of tactite. Some limestone beds on the property contain no appreciable amounts of tactite, whereas at least one is converted wholly to tactite.

The tactite is composed of garnet, epidote, calcite and quartz with local concentrations of scheelite. A thin band of tactite, which can be traced for about 1,300 feet along the east side of the property (fig. 2) is composed mainly of fine-grained epidote and quartz and traces of scheelite.

ORE DEPOSITS

Scheelite is found in small crystals sporadically disseminated through some of the tactite and also in thin films on fracture surfaces in the tactite. Most of the tactite, however, was not mineralized. The scheelite is associated with favorable zones or layers in the limestone. Proximity of granitic rock apparently had little effect on localizing the tungsten.

Four mineralized beds have been explored in shallow workings: The west limestone; the east limestone; the central limestone; and the Kerr tunnel tactite.

Two crosscuts and ten trenches and pits have uncovered the west limestone bed over a strike length of almost 800 feet and vertical distance of 40 feet. Scattered zones of tactite were found along the length of the bed but lumping did not show scheelite in all of the tactite. The best sample cut from the surface and underground showings of scheelite in the west tactite zone assayed 0.08% WO_3. This scheelite is too spotty and low grade to be of economic value.

The tactite found on the east side of the road has been explored by one crosscut and nine trenches and pits over a horizontal distance of 400 feet and a vertical distance of 80 feet. Assays of samples cut from the eastern limestone bed and the adjoining central tactite zone averaged less than 0.04% WO_3.

The most extensive showings of scheelite were seen on the surface in the narrow band of tactite along the eastern edge of the property. A drift (Kerr tunnel), approximately 285 feet long, follows the 6-foot band of mineralized rock and ends just after passing through a northeast-striking fault. It appeared that the drift was not offset enough to pick up the extension of the tactite and work was then abandoned. Lamping underground revealed small localized disseminations of scheelite, but none seen underground compared to the higher grade rock sampled elsewhere on the property. In the earlier work by the Geological Survey [4], it was reported that this narrow band contained an estimated 0.5% WO_3 for 850 feet north of the Kerr tunnel. Recent bulldozer trenching, sampling, and exposures in the Kerr tunnel show that the grade of the deposit was over estimated during this earlier work. A sample taken by the DMEA Field Team in the small pit above the Kerr tunnel assayed 0.18% WO_3, the highest assay value obtained from the property.

No production has been reported from this property.

ORE RESERVES

Reserves of scheelite on the Forge property are confined to inferred ore. In the narrow Kerr tunnel tactite, a block measuring about 1,300 feet long, averaging 6 feet thick and about 100 feet along the dip, equals about 26,000 tons containing about 0.2% WO_3. One-third of the block is inferred to be ore of the estimated grade. It is estimated that an additional 20,000 tons of tactite, averaging less than 0.05% WO_3 exist on the property in the east and west limestone beds and the central tactite zone.

SAMPLING

Eight samples were taken, representing the scheelite mineralization exposed. Analyses of these samples made by the Bureau of Mines at Reno, Nev., and a description of each sample is as follows: (Locations are also noted on the accompanying maps)

Sample No.	%, WO_3	Width, feet	Description
132	0.08		Dump sample taken from old shaft northwest tactite area.
133	0.01	2.5	Tactite material in northernmost pit central tactite zone.
134	*0.01	12.0	South wall, West adit 53-65 feet from portal.
135	0.09		Grab sample taken from floor, face of West adit.
136	0.04	6.0	South wall East adit, 57-63 feet from portal.
137	*0.01	1.0	Scheelite exposed in dozer cut, hillside to southwest of central tactite area.
138	0.18		Grab sample of pit material in tactite just above Kerr tunnel.
139	*0.01		Grab sample of southern pits, central tactite area.

PROPOSED EXPLORATION

The applicant's proposed exploration program, consisting of 420 feet of underground work to be done on three different tactite zones located on the applicant's six claims, is as follows:

Item 1. Extend the East crosscut 30 feet to hit a limestone wall beyond the tactite.

Item 2. Extend the West crosscut 30 feet to hit a postulated limestone bed lying just west of the end of the crosscut. Sink a 100-foot vertical shaft from the present face of the crosscut on a streak of "high grade" scheelite now exposed. Drift 40 feet each way from the bottom of the shaft to explore the tactite at depth.

Item 3. Sink a 100-foot inclined shaft on the narrow tactite band from near the portal of the Kerr tunnel. Drift 40 feet each way from the bottom of the shaft to explore the tactite band.

The reason for sinking in Items 2 and 3 is that the applicant expects that scheelite distribution will be more uniform at depth.

Costs prepared by the applicants for the proposed work are as follows:

Crosscutting (30 feet in each heading), 60 feet @ $40/ft.	$ 2,400
Sinking, winze and shaft, 200 feet @ $70/ft.	14,000
Drifting from winze & shaft, bottom, 40 feet each way on 4 headings, 160 feet @ $45/ft.	7,200
	$23,600

Government participation @ 75% = $17,700.00

There is no geological justification for extending the East adit 30 feet, for there is no evidence that one side of the tactite is mineralized more than the other side. Extending the West crosscut 30 feet to cut a postulated second limestone bed also has no geological justification as a second bed does not crop out at the surface where reported by the applicant and it is unlikely that it would exist underground. A sample from the "high grade" streak exposed under the track at the face of the West adit contained only 0.05% WO_3. It is possible that this "high grade" could lead to better ore at depth but it is probable that this streak, like others on the property, would be small and low grade. The Kerr tunnel which passes under the best showing of scheelite-bearing tactite produced very little if any ore. Lamping in this tunnel showed a few small "hot spots" of scheelite but none looked as good as those in the surface croppings. It is unlikely that the grade of this rock will increase with depth.

Diamond drilling was discussed with the applicant as an alternate method of exploration. It was decided that an adequate drilling program would be too costly for this spotty deposit and would not yield enough information. No other methods of exploration are discussed or suggested here because the property does not merit further work.

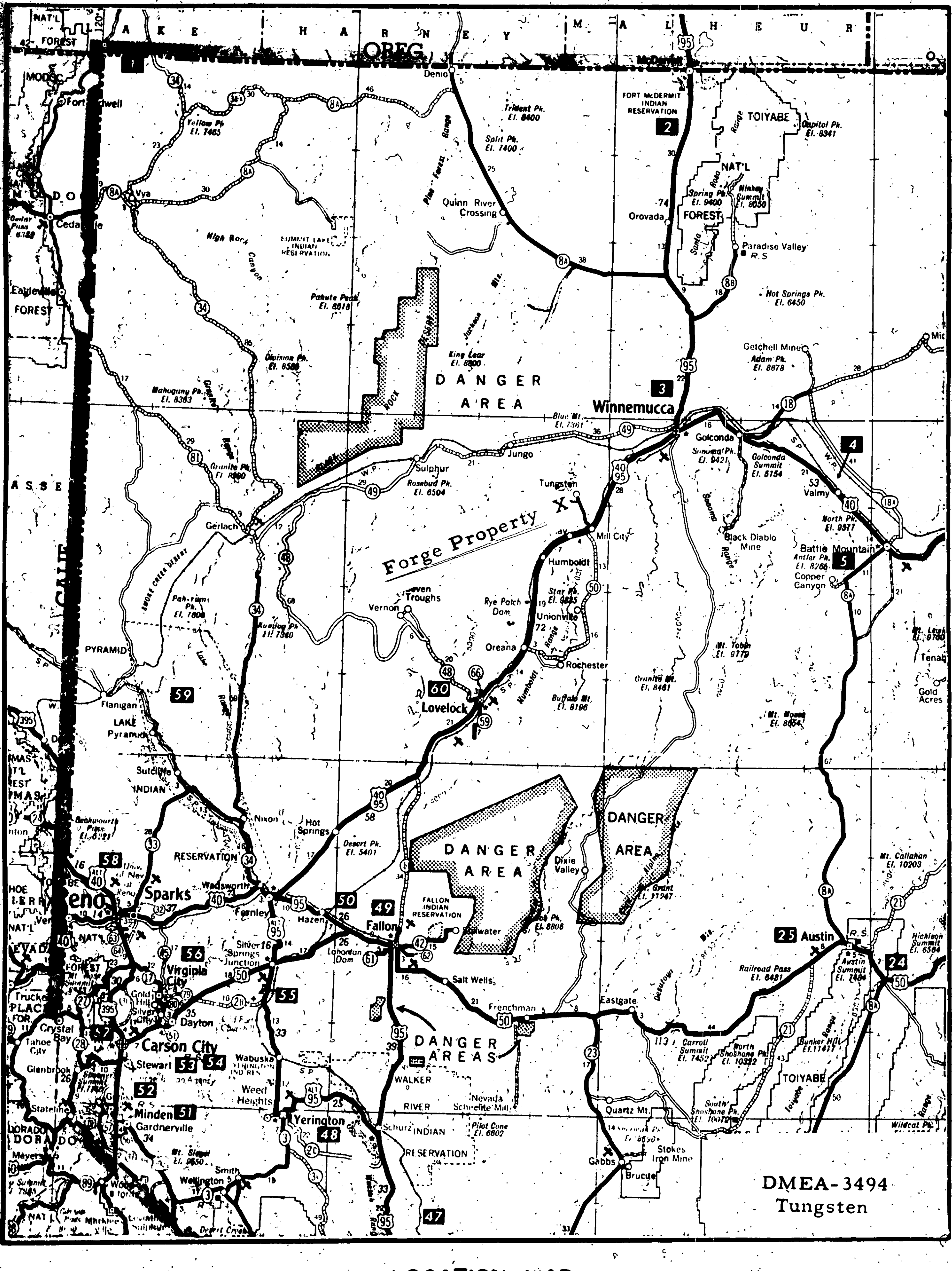
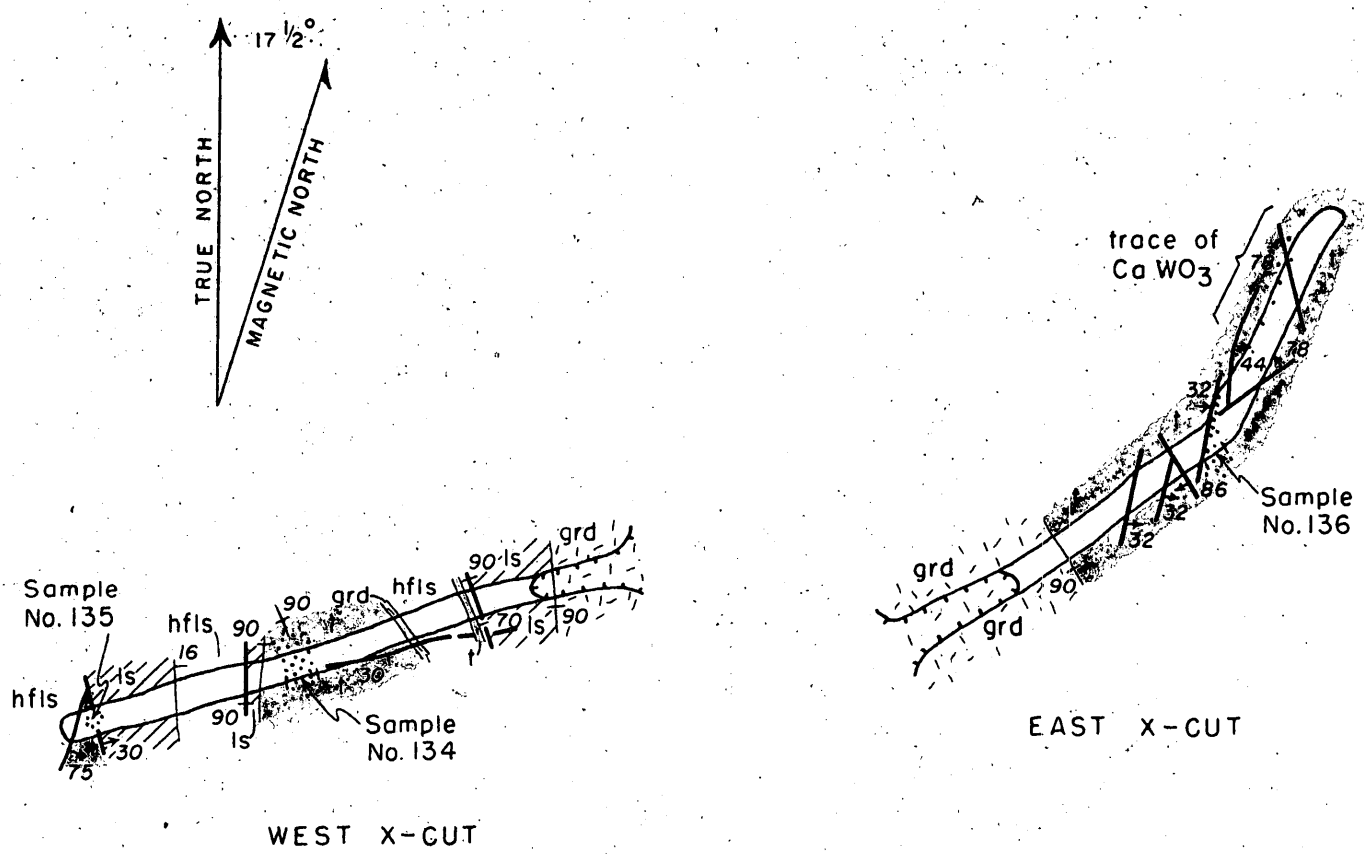


FIG. I LOCATION MAP

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3494
(TUNGSTEN)



EXPLANATION

grd — Granodiorite

Tactite — Intensity of dots indicates approximate amount of scheelite

ls — Mottled blue and white limestone

hfls — Hornfels

16 — Contact, showing dip

75 — Fault, showing dip (Dashed where approximately located)

90 — Strike of vertical beds

Portal and open cut

Mapped by:
E.H. Pampeyan, U.S.G.S.
H.W. Jones, U.S.B.M.

EAST AND WEST WORKINGS, FORGE PROPERTY
PERSHING COUNTY, NEVADA

50 0 50 100 FEET

FIGURE 3

FEB 3 1955

Mr. Spangler Richer, Executive Officer
DMEA Field Team, Region II
420 Custom House Building
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA 3494 - Tungsten
Knickerbocker, Wagner, and Conrad
Forge property
Pershing County, Nevada

Dear Mr. Richer:

Reference is made to the subject docket and our letter of November 26, 1954.

In case an exploration project at the Forge property is recommended by the Field Team, the Owner's Consent to Lien forms should contain under Article 4, thereof, the insertion set forth under "Special Notice," Operating Committee Minutes No. 469, dated January 21, 1955, as follows:

> In paragraph 2 the words "the period fixed in the contract or any amendment thereof has" are substituted for "ten years have."

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

J. H. Hedges

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

cc to: Docket
Code 400
Adm. Reading File
Operating Committee
FT. REG. II
W. McInnis, USBM
T. H. Kiilsgaard, USGS

FARutledge/foc 2-1-55

400

NOV 26 1954

Messrs. H. H. Rucktenschler,
Frank Wagner, and Ernest Gerini
P. O. Box 671
Winnemucca, Nevada

Re: Docket No. DMEA 3494 - Tungsten
Forge property
Pershing County, Nevada

Gentlemen:

This will acknowledge your letter of November 10, 1954, and attachments with regard to your application for exploration assistance at the Forge property.

The subject application, after review, has been referred to Mr. Spangler Rieker, Executive Officer, DMEA Field Team, Region III, 420 Custom House Building, 555 Battery Street, San Francisco 11, California, for a field examination of the property.

Any assistance that you can render the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge:fcc
11-22-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. III
R. W. Geehan, USBM
Thor H. Kiilsgaard, USGS

NOV 26 1954

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region III
420 Custom House Building
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA 364 - Tungsten
Ruektaschler, Wagner, and Cerini
Forge property
Pershing County, Nevada

Dear Mr. Ricker:

The above-docketed application for exploration assistance is being referred to your office for a field examination of the property.

Normally in the case of such an incomplete application, we would have requested the applicant to furnish more information before referring the docket to the Field Team for an examination of the property. In the present case, however, our requests to date have engendered little additional data and a field examination of the prospect appears indicated by the available information.

The Forge prospect was examined by W. T. Benson, Bureau of Mines, in June 1944. Mr. Benson's unpublished report suggested a Bureau of Mines' exploration project as follows:

> "The tungsten showings on this property warrant exploration to definitely determine grade of the ore and to ascertain if mineralization is continuous along the strike of the tactite zones.
>
> The first work of exploration should be to systematically trench the narrow tactite beds, and to sink some test pits in order to continue the investigation well below the weathered surface.
>
> If the results of this work are encouraging, a more extensive exploration by diamond drilling is justified."

If the results of the Field Team examination indicate Government participation in an exploration program is warranted, Owner's Consent to Lease forms should be executed.

Two copies of a letter dated November 10, 1954, from Mr. H. E. Ruckteschler with attachments are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosure

APPROVED:

W. H. Hedges

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

FARUTLEDGE:fec
11-22-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. III
R. W. Geehan, USBM
Thor H. Kiilsgaard, USGS

C O P Y

400

RUCKS SERVICE GARAGE

WINNEMUCCA, NEVADA

November 10, 1954

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25 D.C.

RET: DOCKET NO DEMA 3494-TUNGSTEN FORGE PROPERTY
PERSHING COUNTY, NEVADA

DEAR SIRS:

WE DO NOT HAVE A GEOLOGIC MAP AND BELIEVE THAT THERE IS NONE IN EXISTENCE. THE GEOLOGIC DISCRIPTION IS, WE HAVE FOUR LEDGES THAT RUNS THROUGH OUR PROPERTY AND WE ARE SURE THAT TWO OF THEM ARE AN EXTENTION OF THE NEV-MASSACHUSETTS TUNGSTEN MINE NEAR MILL CITY, NEV. BELIEVE THAT THESE LEDGES ARE THEIR MAIN ORE BODIES. THE PROPERTY IS ON A CONTACT OF LIMESTONE SHALE AND GRANITE AND APPEARS TO BE MINERALIZED FOR A DISTANCE OF ABOUT TWO HUNDRED FEET. THE CONTACT IS A METAMORPHIC DEPOSIT. WE HAVE SOME HIGH GRADE STREAKS AND SEAMS THAT ARE VISIBLE, UNKNOWN AS TO VALUE OVER THIS EXTENSIVE WIDTH (200 FT OR SO).

HAVE SUBMITTED THREE MAPS. NO 1 MAP IS THE GROUP OF CLAIMS. NO 2 MAP IS THE GOLD COIN CLAIM. NO 3 MAP IS THE SILVER DOLLAR CLAIM. ON THE GOLD COIN WE WANT TO EXTEND EACH TUNNEL ANOTHER THIRTY FEET AS WE FEEL THAT WE WILL HIT A LIME WALL. IN TUNNEL NO 1 WE WANT TO SINK ON A HIGH GRADE STREAK FOR A DISTANCE OF ONE HUNDRED FEET AND DRIFT FORTY FEET EACH WAY. ON THE SILVER DOLLAR WE WANT TO SINK ON A HIGH GRADE STREAK FOR A DISTANCE OF ONE HUNDRED FEET AND DRIFT FORTH FEET EACH WAY. HAVE PUT THE PROPOSED WORK IN DOTTED LINES. THE REASON THAT WE WANT TO SINK IS THAT WE FEEL THAT THE DISTRIBUTION OF SCHEELITE MINERALIZATION WILL BE MORE UNIFORM AT THAT DEPTH.

WE DO NOT HAVE ANY ASSAY MAPS AND HAVE NOT HAD THE PROPERTY SAMPLED. WE BASE OUR JUDGEMENT ON EXAMINATION BY MINERAL LIGHT ONLY.

MR FORGE THE OWNER WILL SIGN OWNERS CONSENT TO LIEN AS SOON AS WE FORWARD THEM TO HIM.

HOPE THAT THIS INFORMATION IS WHAT YOU WANT.

VERY TRULY YOURS,

/s/ H. E. Ruekteschler

H. E. Ruekteschler

C O P Y

NEVADA BUREAU OF MINES

UNIVERSITY OF NEVADA

RENO, NEVADA

October 25, 1954

Mr. H. E. Ruekteschler
Rucks Shell Service
P. O. Box 671
Winnemucca, Nevada

Dear Mr. Ruekteschler:

In reply to your October 10 letter, we wish to inform you that a geologic map of the Nevada Massachusetts Tungsten Mine was published in the "Geology of the Tungsten Deposits near Mill City, Nevada", by P. F. Kerr; however, it is currently out of print.

If your claims are about one mile south of the mill the geology of their area would not be shown on the map; only the area north and west of the mill was mapped. The Forge Property is not shown on the map or mentioned in the text of the report.

If you are still interested in this report, it may be read in the library of the MacKay School of Mines, University of Nevada, Reno, Nevada.

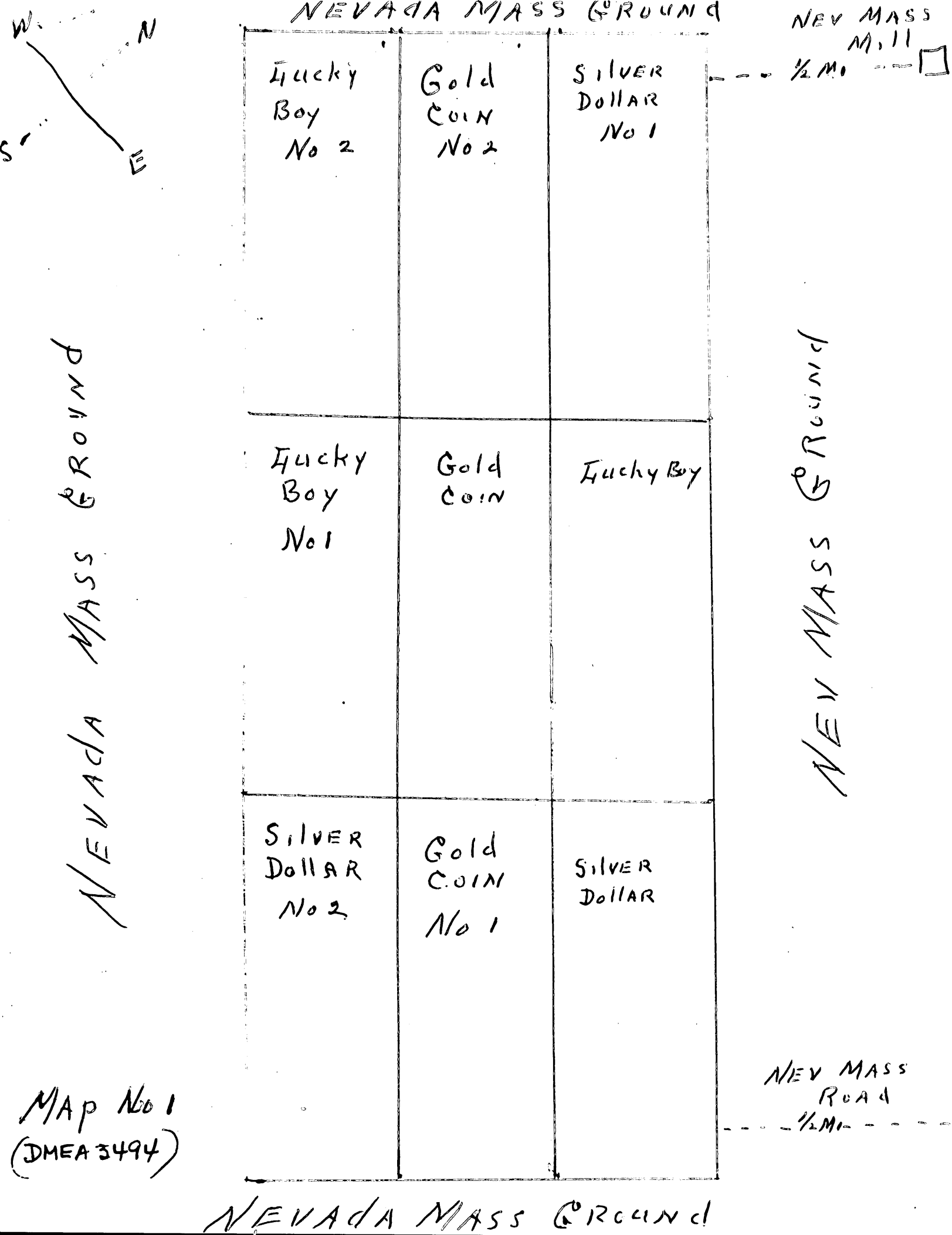
Respectfully,

VERNON E. SCHEID, Director

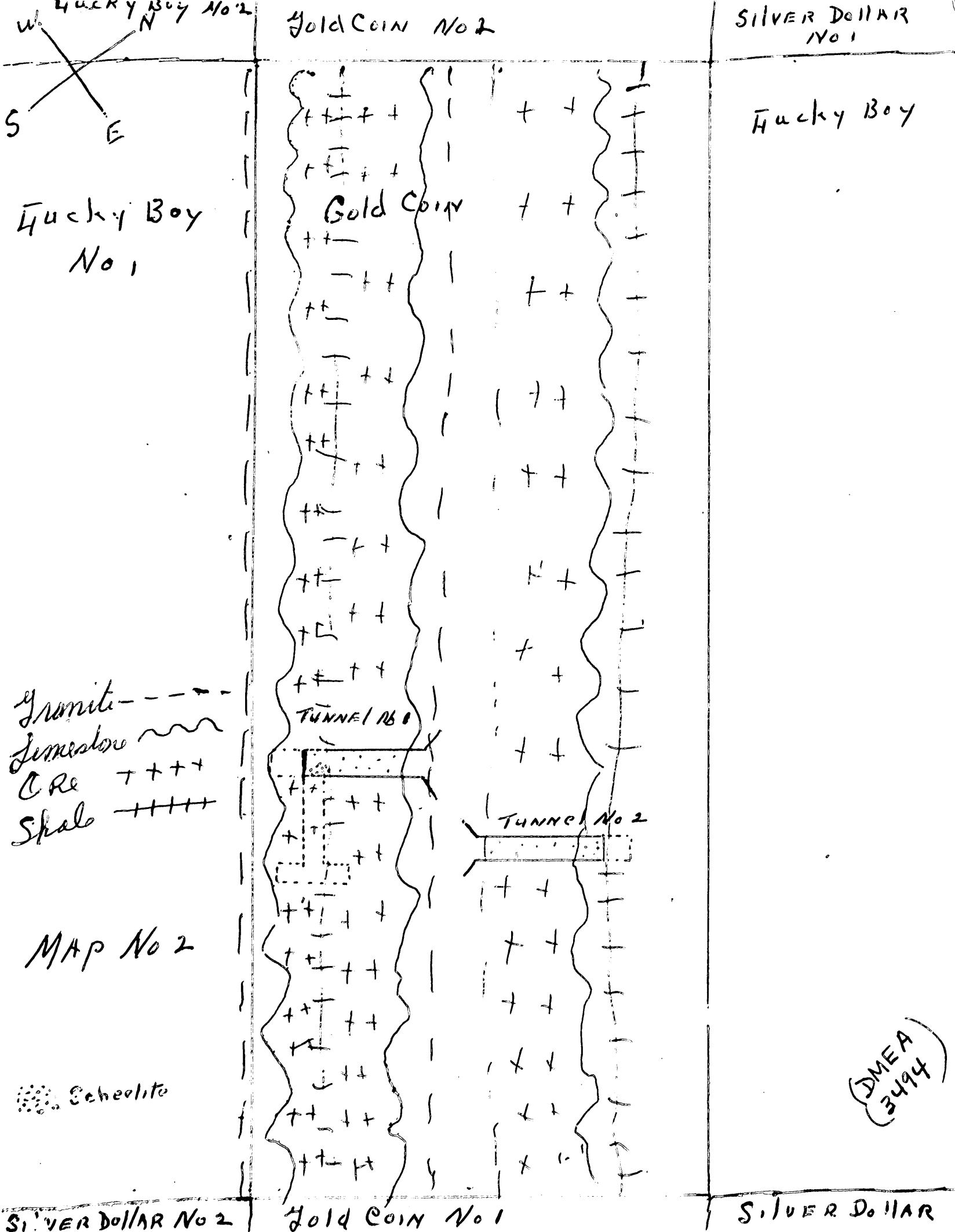
/s/ Albert R. Glockzin

Albert R. Glockzin, Geologist

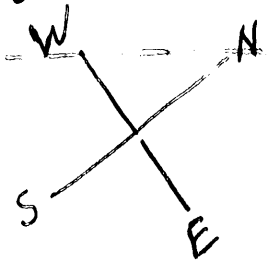
ARG:sc



MAP No 1
(DMEA 3494)


Lucky Boy No 2
W
N
S
E
Gold Coin No 2
Silver Dollar No 1
Lucky Boy
Lucky Boy No 1
Gold Coin
Granite
Limestone
Ore
Shale
TUNNEL No 1
TUNNEL No 2
MAP No 2
Scheelite
(DMEA 3494)
Silver Dollar No 2
Gold Coin No 1
Silver Dollar

Gold Coin



Gold Coin
No 1

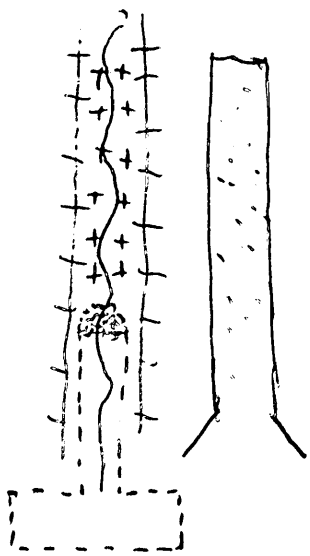
Lucky Boy

(DMEA 3494)

Silver Dollar

Shale
Ore
Limestone

Foot wall + Hanging wall shale

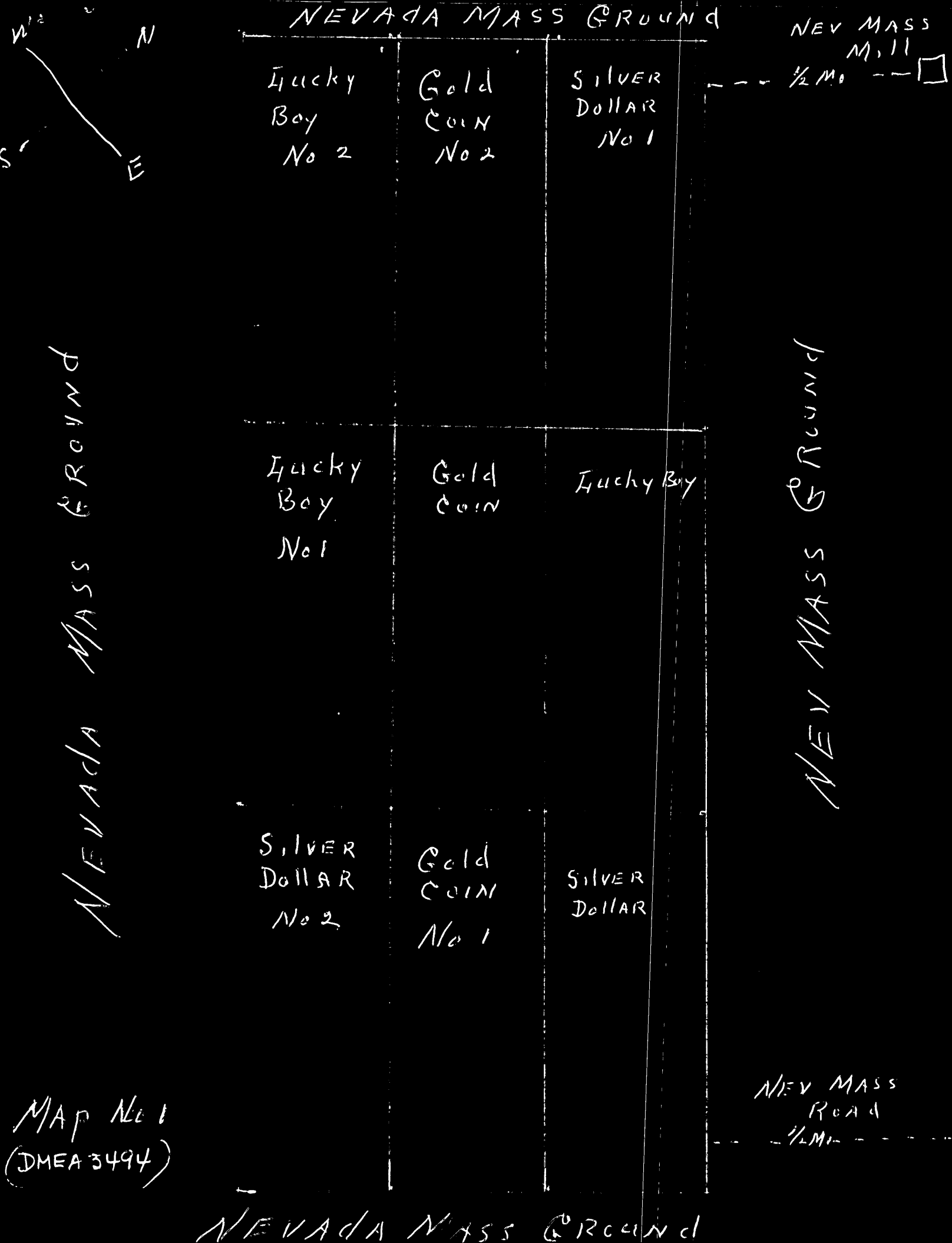


Scheelite

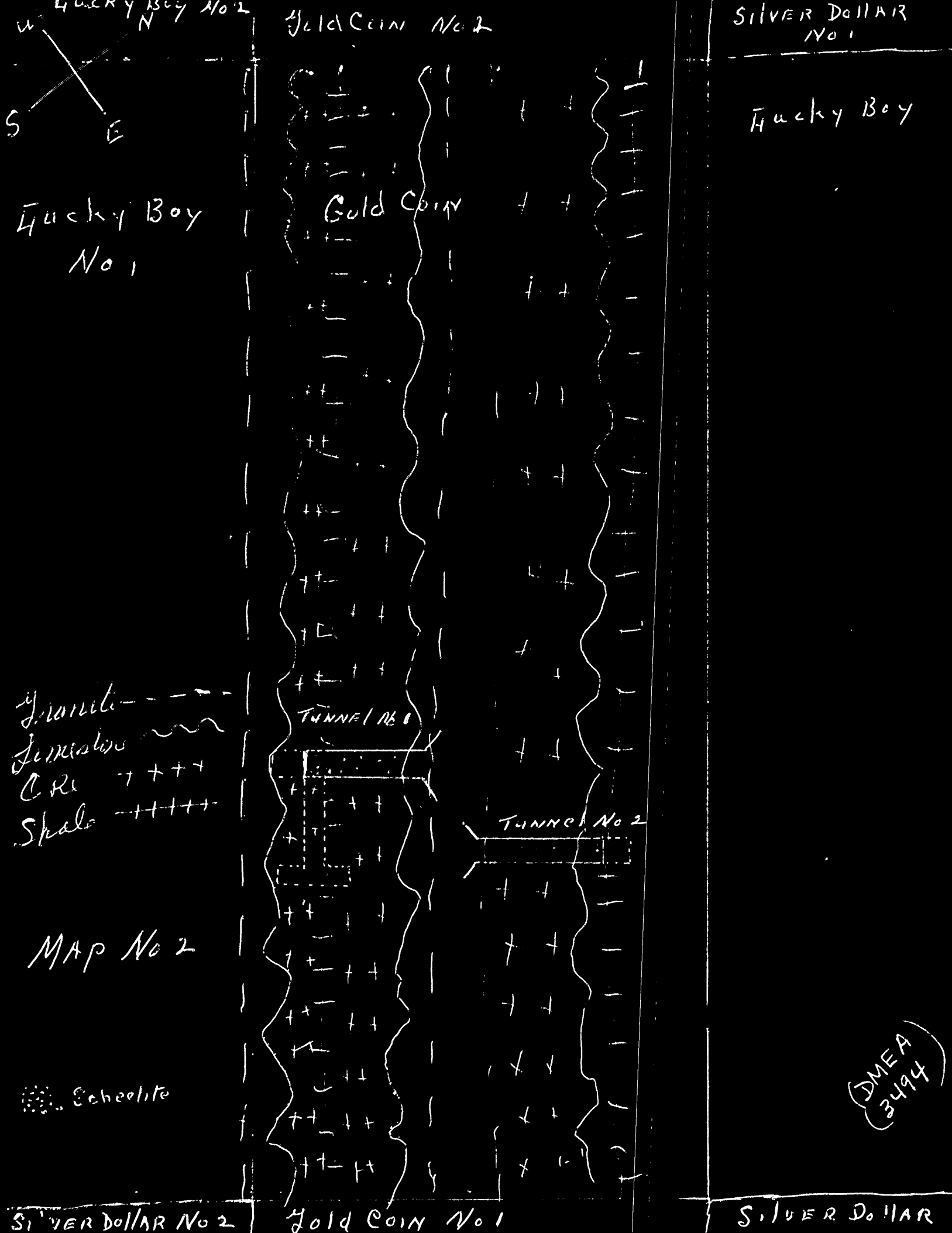
MAP No 3

NEVADA MASS

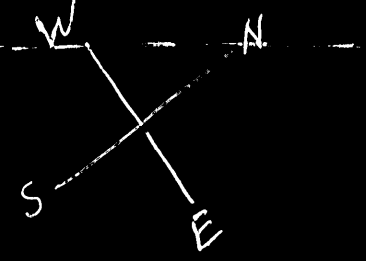
NEVADA MASS



MAP No 1
(DMEA 3494)


Lucky Boy No 2
W
N
S
E
Gold Coin No 2
Silver Dollar No 1
Lucky Boy
Lucky Boy No 1
Gold Coin
Granite
Limestone
Ore
Shale
Tunnel No 1
Tunnel No 2
Map No 2
Scheelite
(DMEA 3494)
Silver Dollar No 2
Gold Coin No 1
Silver Dollar

Gold Coin



Lucky Boy

(DMEA 3494)

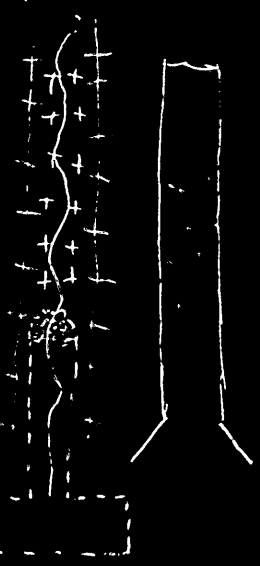
Silver Dollar

Gold Coin
No 1

Nevada Mass

Slate
Ore
Limestone

Foot wall + Hanging wall shale



Map No 3

Scheelite

NEVADA MASS

NOV 8 - 1954

Messrs. H. E. Ruckteschler,
Frank Wagner, and Ernest Cerini
P. O. Box 671
Winnemucca, Nevada

Re: Docket No. DMEA 3494-Tungsten
Forge property
Pershing County, Nevada

Gentlemen:

Reference is made to the above-docketed application for exploration assistance and to our letter of September 30, 1954, with regard to the additional information needed to process your application.

In the interest of expediting the Defense Minerals Exploration Program, it would be appreciated if you would provide us promptly with the requested information.

Sincerely yours,

SIGNED

W. S. Martin, Chief
Iron and Ferro-Alloys Division

cc: Docket
FT, Reg. 3
Code 400
Adm. Read. File
R. W. Geehan, USBM
Thor Kiilsgaard, USGS

FARutledge/ls
11/2/54

400

SEP 3 0 1954

Messrs. H. E. Buckteschler, Frank Wagner,
and Ernest Cerini
P. O. Box 671
Winnemucca, Nevada

Re: Docket No. DMEA 3494 - Tungsten
Forge property
Pershing County, Nevada

Gentlemen:

The above-referenced application for exploration assistance in exploring for tungsten has been reviewed by the Iron and Ferro-Alloys Division, Defense Minerals Exploration Administration.

The information submitted with your application is insufficient to justify a field examination by the Government. To substantiate the occurrence of tungsten on your property and permit us to consider your application further, you should provide us with the following data:

1. Description of the geologic features of the property, including mineralization, type of deposit, and your reasons for wishing to explore. Illustrate with maps or sketches. Include any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

2. Analyses of samples with sketch map showing location.

3. Description of the proposed work, including a map or sketch of the property showing a plan (and cross-sections if needed) of any present mine workings, and the location of the proposed exploration as related to such features as contacts, veins, and ore-bearing beds.

4. Owner's Consent to Lien.

We will, therefore, hold your application in abeyance until the requested data have been received.

FARutledge:foc
9-29-54

cc to: Docket
Code 400
Adm. Reading File
FT. REG. III
R. W. Geehan, USBM
Thor H. Kiilsgaard, USGS

Sincerely yours,

W. S. Martin

W. S. Martin, Chief
Iron and Ferro-Alloys Division

IN REPLY REFER TO:

40V

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

September 27, 1954

Re: DMEA-3494
Forge Property
Central District
Pershing Co., Nev.
$23,600 - Tungsten

Memorandum

To: W. S. Martin
Defense Minerals Exploration Administration

From: E. L. Newcomb
U. S. Geological Survey

Subject: Review of application

The applicant requests assistance to drift 130 feet, crosscut 60 feet, and sink two 100-foot shafts on the Gold Coin and Silver Dollar claims.

Previous exploration has consisted of several hundred feet of trenching and three tunnels ranging from 130 to 300 feet in length.

There is no record of any past production on these claims.

The application in its present form is inadequate for a fair appraisal of the merits of the proposed work.

Further information from the applicant should be obtained before a field referral is requested. Sample assays, or an assay map, and some kind of geologic map are needed to support the applicant's proposal.

The Mill City district is about 8 miles west of Mill City, and I suspect the operator's claims are in this area inasmuch as he states the claims are situated 7 miles west of Mill City. The Nevada Massachusetts Co., Inc. owned all the commercial deposits in this district in 1943, but the location of the applicant's claims with respect to their properties has not been determined.

I have noted that one of the partners, H. E. Ruckteschler, was involved in an earlier application, DMEA-2930, which was denied on the recommendation of the Field Team.

ELNewcomb:hlm
G-9/27/54

E. L. Newcomb

CC: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
R. W. Geehan, 3513

402

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

420 Custom House
555 Battery Street
San Francisco 11, Calif.

September 14, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for Exploration loan filed in
San Francisco office by H. E. Ruckteschler
Frank Wagner, and Erine Cerini
Pershing County, Nevada - Tungsten

3494

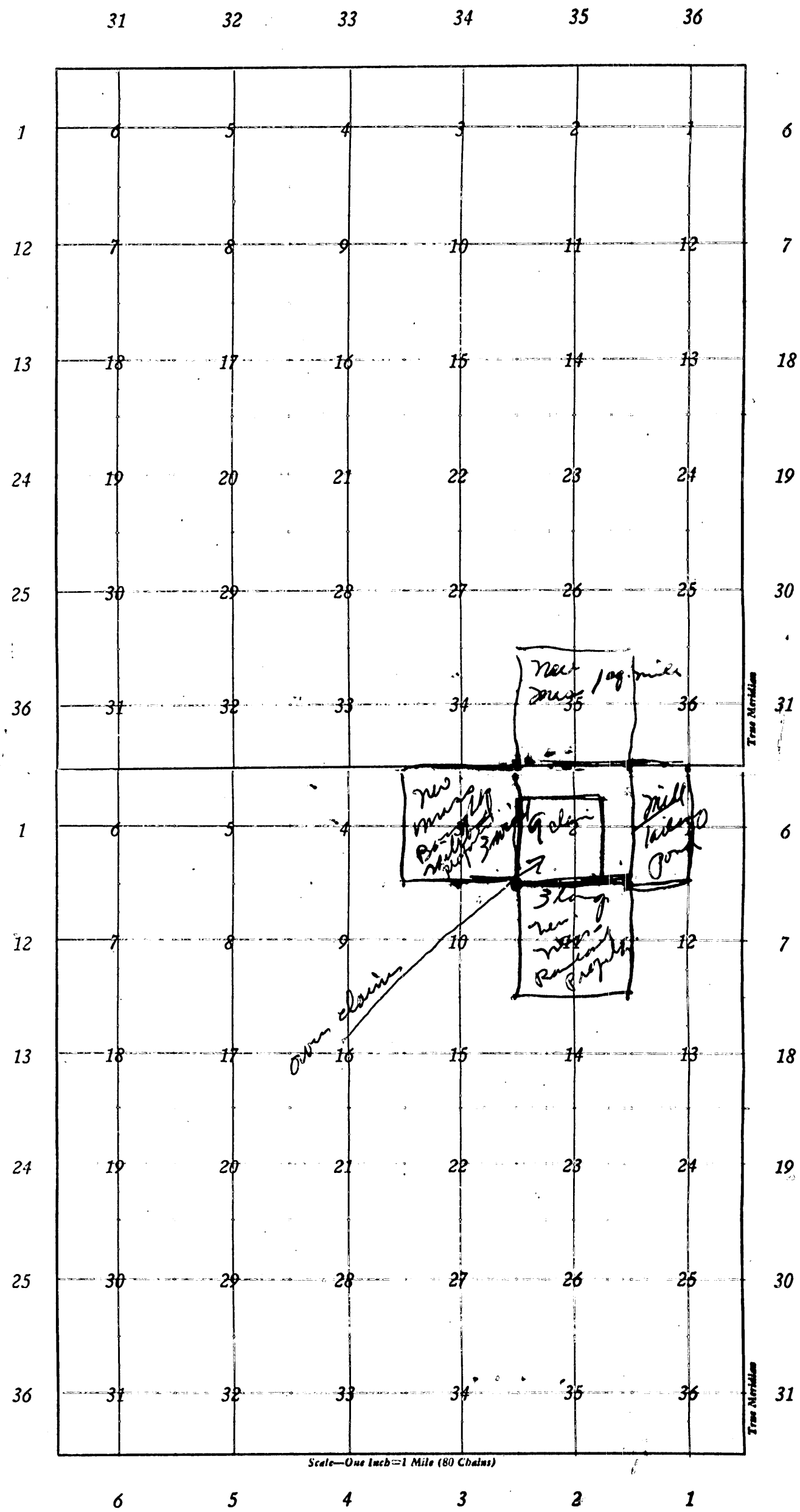
Attached are three of the four copies of an application for an exploration loan received in this office on September 13, 1954.

Supplemental data received included one copy of a lease agreement dated February 1, 1954, a claim map, record of claim recording, and a location map. These single documents are being sent herewith and no copy is being retained in this office.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachments

Township Range Meridian



Remarks:

THIS AGREEMENT OF LEASE, OPTION TO PURCHASE, AND ESCROW, entered into this 1st day of February, A. D. 1954, between PHILIP FORGE, ERNEST CERINI and ZELMA CERINI, his wife, all of Lovelock, Pershing County, Nevada, and FRANK WAGNER and ELSIE WAGNER, his wife, of Winnemucca, Humboldt County, Nevada, hereinafter referred to as Lessors, and HENRY E. RUCHTESCHLER and HARRIETTA A. RUCKTESCHLER, his wife, and FRANK WAGNER and ELSIE WAGNER, his wife, all of Winnemucca, Humboldt County, Nevada, and ERNEST CERINI and ZELMA CERINI, his wife, all of Lovelock, Pershing County, Nevada, hereinafter referred to as Lessees.

W I T N E S S E T H:

That for and in consideration of Ten Dollars ($10.00), to them in hand paid by the Lessees, the receipt whereof is hereby acknowledged, and the further consideration of the rents, royalties, payments, covenants and agreements, on the part and behalf of the Lessees to be paid, kept, and performed, hereinafter reserved, mentioned, and contained, Lessors do, by these presents, let, lease and demise, and duly grant unto the Lessees the lease and option to purchase by quitclaim deed all those certain lode mining claims, unpatented, situated in the Central Mining District, County of Pershing, State of Nevada, and particularly described as follows:

> Luck Boy; Lucky Boy No. 1; Lucky Boy No. 2; Gold Coin; Gold Coin No. 1; Gold Coin No. 2; Silver Dollar; Silver Dollar No. 1; and, Silver Dollar No. 2, lode mining claims, all in one compact and contiguous group.
>
> Together with all the dips, spurs, and angles, and also all the metals, ores, rock and earth therein; and all rights, provisions, and franchises thereto incident and appertaining, or therewith usually had and enjoyed; and, also, all and singular the tenements, hereditaments and appurtenances

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

thereto belonging or in anywise appertaining, and the rents, issues and profits thereof.

The same being of recordin the office of the County Recorder of Pershing County, at Lovelock, Nevada, and reference is hereby made to said records for greater certainty of description.

TO HAVE AND TO HOLD unto the said Lessees, for the purpose of mining, all of the above described lode mining claims, under and pursuant to the conditions, covenants and agreements as hereinafter outlined.

IT IS FURTHER UNDERSTOOD AND AGREED, that the Lessees shall and may enter into the possession of the above described lode mining claims and property and every part thereof immediately on the execution of this agreement by the parties hereto, and may prospect, develop, and mine said mining claims in such manner as they may deem best, subject at all times, however, to the rules and regulations of the State Mine Inspector of the State of Nevada.

The Lessors agree, that subject to the royalties and payments hereinafter mentioned and provided for, the Lessees, their employees and representatives, may extract any and all ores found in said mining claims and may ship, sell, smelt, mill or treat any or all of said ores.

That for and in consideration of this lease and option to purchase, the Lessees agree and covenant to and with the Lessors as follows:

1. The rental payments and royalties, to be made by Lessees to Lessors for the lease and purchase of the premises above described, and the total purchase price to be paid for said premises, shall be as follows:

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

Total purchase price--$300,000.00

Lessees shall have to and including the 1st day of May to exercise their option to purchace said lode mining claims for the total purchase price as above set out. One thousand dollars ($1,000.00) shall be due and payable on or before May 1, 1954.

If Lessees exercise their option to purchase said lode mining claims by the payment of $1,000.00 as in the next preceding paragraph outlined, the further sum of $1,000.00 shall be due and payable to Lessors on or before June 1, 1954, and the further sum of $1,000.00 shall be due and payable on or before the 1st day of July, 1954.

The balance of the purchase price shall be paid from royalties, The Lessors shall receive from the Lessees ten per cent (10%) of the Gross receipts from all ores or concentrates sold and shipped from the property, said royalties to be computed upon the basis of mill returns or assay returns, depending upon the mode of handling, without deduction for custom mill or smelter charges, umpire, assaying, sampling charges, or freight or haulage charges.

As hereinabove provided, Lessees may enter into possession of the above described lode mining claims and may prospect, develop, and mine said claims subject to the obligation to pay said Lessors on the basis of ten per cent (10%) Gross royalty charges. Any royalties paid to said Lessors during the ninety (90) days next following the execution of this agreement shall not in any way effect the obligation to pay the payments as hereinabove set out.

Any royalty payments made by said Lessees to said Lessors shall be divided in the following manner, to-wit: Fifty per cent (50%) to PHILIP FORGE, twenty-five per cent (25%) to ERNEST CERINI, and twenty-five per cent (25%) to FRANK WAGNER.

Duplicate copies of mill or assay returns shall be delivered to Lessor, FRANK WAGNER, and Lessee, HENRY E. RUCHTESCHLER.

After the payment of the Three Thousand Dollars ($3,000.00) as hereinabove provided by Lessees to Lessors, all royalties paid by Lessees to Lessors under the above schedule shall be

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

applied as a credit to the total purchase price, and in the event of default or forfeiture by Lessees, all monies shall be retained by Lessors as liquidated damages and rental.

2. Lessors hereby give and grant unto Lessees the sole, exclusive, and irrevocable right and option to purchase and acquire the whole of said mining property above described, upon the Lessees' fulfilling all of the obligations, agreements, and covenants, and in the manner herein provided for.

3. Lessees shall be sole judges as to the methods of mining and milling, and what constitutes ores, when and if ore is extracted or milled , and other phases of operating the property, subject to the condition that all operations shall be conducted in conformity to good workmanship and miner-like methods, and in compliance to the laws and regulations of the United States and the State of Nevada, and subject to the Lessors' right to enter upon the property at all reasonable times to inspect and examine the operations.

4. Lessees agree to accept and comply with the laws of the State of Nevada and of the United States, for the protection of employees against injury and disease, and shall save Lessors harmless from any claims arising therefrom.

5. Lessees agree to save Lessors harmless from any liability whatsoever for property damage or personal injury, arising on the premises or from the operation of the mine, on or off the premises, due to an act of the Lessees.

6. Lessees further agree to save Lessors harmless from all liens which may be placed upon the premises through unpaid labor or material, or for any manner of obligation contracted by Lessees in the operation of this lease.

7. Lessees agree to perform at least a minimum of sixty (60)

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

shifts per month upon subject mining claims for and to satisfy the annual assessment requirement on each and every claim for each year during the life of this agreement. The work shall be done prior to June 30th of each year, and upon completion, Lessees shall notify Lessors promptly so that proofs of labor may be filed.

8. All payments made by Lessees to Lessors under the terms and conditions of this lease and option to purchase shall be made directly to the Lessors as hereinabove provided. Lessors and Lessees agree to execute a quitclaim deed which shall be deposited with the firm of LEIGHTON & MATHEWS, together with necessary releases and disclaimers which shall be held by said firm until which time as the full purchase price has been paid, at which time said firm is instructed to deliver all such papers to the Lessees. In the event of default, by Lessees under the terms of this agreement, said escrow holder is instructed upon proper notice and proof of forfeiture together with the necessary releases and disclaimers, to terminate said escrow.

9. It is expecially agreed by the Lessees, or their assigns, that upon failure to pay any rents, royalties, or other sums of money hereby reserved to the Lessors, or upon violation of any of the conditions, covenants, and agreements, hereinabove set forth, this lease and option to purchase, at the option of the Lessors, shall expire, and the said premises and all improvements hereinabove specified and the appurtenances thereto appertaining, shall be forfeited to the Lessors, provided that before any such forfeiture, the Lessors shall in writing, deposit in the United States Post Office, with postage prepaid thereon, and addressed to HENRY E. RUCHTESCHLER, Winnemucca,

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

Nevada, or to any address of any person, corporation or partnership to which this lease may be assigned, a notice, setting forth wherein this lease and option has been violated. Upon receiving said notice, the said Lessees, or their assigns, shall have thirty (30) days in which to rectify any violation thereof, and in case such violation is not so rectified within thirty (30) days, the Lessors may enter into said premises, with or without process of law, or may repossess all or any part thereof.

10. This agreement is a lease and option only, with instructions to the escrow holder, and the Lessees shall have the right to surrender this contract and to discontinue all work and payments hereunder, at any time, without liability to Lessors for the unexpired term, but shall be liable for the restoration of the premises to as good condition as it now is and for all accrued rental, royalties, or payments.

11. Upon the termination of this lease and option, without exercise of the option by the Lessees, the Lessees shall have sixty (60) days in which to remove any and all machinery, equipment, buildings, track, tools and supplies placed thereon by Lessees, which are not owned by Lessors, and failing to remove within the said sixty (60) days, all of the said property shall become the property of the Lessors.

12. This agreement may be assigned by Lessees. This agreement shall be binding upon the heirs, assigns, administrators, and executors of the respective parties.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands, the day and year first above written.

LESSORS

Philip Forge

PHILIP FORGE

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

Ernest Cerini
ERNEST CERINI

Selma Cerini
SELMA CERINI

Frank Wagner
FRANK WAGNER

Elsie Wagner
ELSIE WAGNER

LESSEES

Henry E. Ruchteschler
HENRY E. RUCHTESCHLER

Harrietta A. Ruchteschler
HARRIETTA A. RUCHTESCHLER

Frank Wagner
FRANK WAGNER

Elsie Wagner
ELSIE WAGNER

Ernest Cerini
ERNEST CERINI

Selma Cerini
SELMA CERINI

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

STATE OF NEVADA, }
COUNTY OF ~~PERSHING~~ Humboldt. } SS.

On this_____day of February, A. D. 1954, personally appeared before me, a Notary Public in and for said County and State, FRANK WAGNER and ELSIE WAGNER, his wife, and HENRY E. RUCHTESCHLER and HARRIETTA A. RUCKTESCHLER, his wife, known to me to be the persons described in and who executed the foregoing instrument; who acknowledged to me, each for himself and herself, that they executed the same freely and voluntarily, and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in said County and State, the day and year in this certificate first above written.

_____
Notary Public in and for Said
County and State

My Commission Expires:
My Commission Expires: Sept. 20, 1954
_____.

****

STATE OF NEVADA, }
COUNTY OF Pershing. } SS.

On this 2nd day of February, A. D. 1954, personally appeared before me, a Notary Public in and for said County and State, PHILIP FORGE, known to me to be the person described in and who executed the foregoing instrument; who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal, at my Office in said County and State, the day and year in this certificate first above written.

Mary Helen Massucco
Notary Public in and for said
County and State.

My Commission Expires:
March 19, 1954

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

STATE OF NEVADA, }
COUNTY OF Pershing. } SS.

ON this 3rd day of February, A. D. 1954, personally appeared before me, a Notary Public in and for said County and State, ERNEST CERINI and ZELMA CERINI, his wife, known to me to be persons described in and who executed the foregoing instrument; who acknowledged to me, each for himself and herself, that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in said County and State, the day and year in this certificate first above written.

Mary Helen Morrison
Notary Public in and for said County and State.

My Commission Expires:
March 19, 1954

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

THIS AGREEMENT OF LEASE, OPTION TO PURCHASE, AND ESCROW, entered into this 1st day of February, A. D. 1954, between PHILIP FORGE, ERNEST CERINI and ZELMA CERINI, his wife, all of Lovelock, Pershing County, Nevada, and FRANK WAGNER and ELSIE WAGNER, his wife, of Winnemucca, Humboldt County, Nevada, hereinafter referred to as Lessors, and HENRY E. RUCHTESCHLER and HARRIETTA A. RUCKTESCHLER, his wife, and FRANK WAGNER and ELSIE WAGNER, his wife, all of Winnemucca, Humboldt County, Nevada, and ERNEST CERINI and ZELMA CERINI, his wife, all of Lovelock, Pershing County, Nevada, hereinafter referred to as Lessees.

W I T N E S S E T H:

That for and in consideration of Ten Dollars ($10.00), to them in hand paid by the Lessees, the receipt whereof is hereby acknowledged, and the further consideration of the rents, royalties, payments, covenants and agreements, on the part and behalf of the Lessees to be paid, kept, and performed, hereinafter reserved, mentioned, and contained, Lessors do, by these presents, let, lease and demise, and duly grant unto the Lessees the lease and option to purchase by quitclaim deed all those certain lode mining claims, unpatented, situated in the Central Mining District, County of Pershing, State of Nevada, and particularly described as follows:

> Luck Boy; Lucky Boy No. 1; Lucky Boy No. 2; Gold Coin; Gold Coin No. 1; Gold Coin No. 2; Silver Dollar; Silver Dollar No. 1; and, Silver Dollar No. 2, lode mining claims, all in one compact and contiguous group.
>
> Together with all the dips, spurs, and angles, and also all the metals, ores, rock and earth therein; and all rights, provisions, and franchises thereto incident and appertaining, or therewith usually had and enjoyed; and, also, all and singular the tenements, hereditaments and appurtenances

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ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

thereto belonging or in anywise appertaining, and the rents, issues and profits thereof.

The same being of recordin the office of the County Recorder of Pershing County, at Lovelock, Nevada, and reference is hereby made to said records for greater certainty of description.

TO HAVE AND TO HOLD unto the said Lessees, for the purpose of mining, all of the above described lode mining claims, under and pursuant to the conditions, covenants and agreements as hereinafter outlined.

IT IS FURTHER UNDERSTOOD AND AGREED, that the Lessees shall and may enter into the possession of the above described lode mining claims and property and every part thereof immediately on the execution of this agreement by the parties hereto, and may prospect, develop, and mine said mining claims in such manner as they may deem best, subject at all times, however, to the rules and regulations of the State Mine Inspector of the State of Nevada.

The Lessors agree, that subject to the royalties and payments hereinafter mentioned and provided for, the Lessees, their employees and representatives, may extract any and all ores found in said mining claims and may ship, sell, smelt, mill or treat any or all of said ores.

That for and in consideration of this lease and option to purchase, the Lessees agree and covenant to and with the Lessors as follows:

1. The rental payments and royalties, to be made by Lessees to Lessors for the lease and purchase of the premises above described, and the total purchase price to be paid for said premises shall be as follows:

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

Total purchase price--$300,000.00

Lessees shall have to and including the 1st day of May to exercise their option to purchase said lode mining claims for the total purchase price as above set out. One thousand dollars ($1,000.00) shall be due and payable on or before May 1, 1954.

If Lessees exercise their option to purchase said lode mining claims by the payment of $1,000.00 as in the next preceding paragraph outlined, the further sum of $1,000.00 shall be due and payable to Lessors on or before June 1, 1954, and the further sum of $1,000.00 shall be due and payable on or before the 1st day of July, 1954.

The balance of the purchase price shall be paid from royalties. The Lessors shall receive from the Lessees ten per cent (10%) of the Gross receipts from all ores or concentrates sold and shipped from the property, said royalties to be computed upon the basis of mill returns or assay returns, depending upon the mode of handling, without deduction for custom mill or smelter charges, umpire, assaying, sampling charges, or freight or haulage charges.

As hereinabove provided, Lessees may enter into possession of the above described lode mining claims and may prospect, develop, and mine said claims subject to the obligation to pay said Lessors on the basis of ten per cent (10%) Gross royalty charges. Any royalties paid to said Lessors during the ninety (90) days next following the execution of this agreement shall not in any way effect the obligation to pay the payments as hereinabove set out.

Any royalty payments made by said Lessees to said Lessors shall be divided in the following manner, to-wit: Fifty per cent (50%) to PHILIP FORGE, twenty-five per cent (25%) to ERNEST CERINI, and twenty-five per cent (25%) to FRANK WAGNER.

Duplicate copies of mill or assay returns shall be delivered to Lessor, FRANK WAGNER, and Lessee, HENRY E. RUCHTESCHLER.

After the payment of the Three Thousand Dollars ($3,000.00) as hereinabove provided by Lessees to Lessors, all royalties paid by Lessees to Lessors under the above schedule shall be

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ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

applied as a credit to the total purchase price, and in the event of default or forfeiture by Lessees, all monies shall be retained by Lessors as liquidated damages and rental.

2. Lessors hereby give and grant unto Lessees the sole, exclusive, and irrevocable right and option to purchase and acquire the whole of said mining property above described, upon the Lessees' fulfilling all of the obligations, agreements, and covenants, and in the manner herein provided for.

3. Lessees shall be sole judges as to the methods of mining and milling, and what constitutes ores, when and if ore is extracted or milled , and other phases of operating the property, subject to the condition that all operations shall be conducted in conformity to good workmanship and miner-like methods, and in compliance to the laws and regulations of the United States and the State of Nevada, and subject to the Lessors' right to enter upon the property at all reasonable times to inspect and examine the operations.

4. Lessees agree to accept and comply with the laws of the State of Nevada and of the United States, for the protection of employees against injury and disease, and shall save Lessors harmless from any claims arising therefrom.

5. Lessees agree to save Lessors harmless from any liability whatsoever for property damage or personal injury, arising on the premises or from the operation of the mine, on or off the premises, due to an act of the Lessees.

6. Lessees further agree to save Lessors harmless from all liens which may be placed upon the premises through unpaid labor or material, or for any manner of obligation contracted by Lessees in the operation of this lease.

7. Lessees agree to perform at least a minimum of sixty (60)

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

shifts per month upon subject mining claims for and to satisfy the annual assesment requirement on each and every claim for each year during the life of this agreement. The work shall be done prior to June 30th of each year, and upon completion, Lessees shall notify Lessors promptly so that proofs of labor may be filed.

8. All payments made by Lessees to Lessors under the terms and conditions of this lease and option to purchase shall be made directly to the Lessors as hereinabove provided. Lessors and Lessees agree to execute a quitclaim deed which shall be deposited with the firm of LEIGHTON & MATHEWS, together with necessary releases and disclaimers which shall be held by said firm until which time as the full purchase price has been paid, at which time said firm is instructed to deliver all such papers to the Lessees. In the event of default, by Lessees under the terms of this agreement, said escrow holder is instructed upon proper notice and proof of forfeiture together with the necessary releases and disclaimers, to terminate said escrow.

9. It is expecially agreed by the Lessees, or their assigns, that upon failure to pay any rents, royalties, or other sums of money hereby reserved to the Lessors, or upon violation of any of the conditions, covenants, and agreements, hereinabove set forth, this lease and option to purchase, at the option of the Lessors, shall expire, and the said premises and all improvements hereinabove specified and the appurtenances thereto appertaining, shall be forfeited to the Lessors, provided that before any such forfeiture, the Lessors shall in writing, deposit in the United States Post Office, with postage prepaid thereon, and addressed to HENRY L. RUCHTESCHLER, Winnemucca,

Nevada, or to any address of any person, corporation or partnership to which this lease may be assigned, a notice, setting forth wherein this lease and option has been violated. Upon receiving said notice, the said Lessees, or their assigns, shall have thirty (30) days in which to rectify any violation thereof, and in case such violation is not so rectified within thirty (30) days, the Lessors may enter into said premises, with or without process of law, or may repossess all or any part thereof.

10. This agreement is a lease and option only, with instructions to the escrow holder, and the Lessees shall have the right to surrender this contract and to discontinue all work and payments hereunder, at any time, without liability to Lessors for the unexpired term, but shall be liable for the restoration of the premises to as good condition as it now is and for all accrued rental, royalties, or payments.

11. Upon the termination of this lease and option, without exercise of the option by the Lessees, the Lessees shall have sixty (60) days in which to remove any and all machinery, equipment, buildings, track, tools and supplies placed thereon by Lessees, which are not owned by Lessors, and failing to remove within the said sixty (60) days, all of the said property shall become the property of the Lessors.

12. This agreement may be assigned by Lessees. This agreement shall be binding upon the heirs, assigns, administrators, and executors of the respective parties.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands, the day and year first above written.

LESSORS

PHILIP [illegible]

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

Ernest Cerini
ERNEST CERINI

Zelma Cerini
ZELMA CERINI

Frank Wagner
FRANK WAGNER

Elsie Wagner
ELSIE WAGNER

LESSEES

Henry E. Ruchteschler
HENRY E. RUCHTESCHLER

Harrietta A. Ruchteschler
HARRIETTA A. RUCHTESCHLER

Frank Wagner
FRANK WAGNER

Elsie Wagner
ELSIE WAGNER

Ernest Cerini
ERNEST CERINI

Zelma Cerini
ZELMA CERINI

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

STATE OF NEVADA,)
) SS.
COUNTY OF ~~PERSHING~~.)

On this_____day of February, A. D. 1954, personally appeared before me, a Notary Public in and for said County and State, FRANK WAGNER and ELSIE WAGNER, his wife, and HENRY E. RUCHTESCHLER and HARRIETTA A. RUCKTESCHLER, his wife, known to me to be the persons described in and who executed the foregoing instrument; who acknowledged to me, each for himself and herself, that they executed the same freely and voluntarily, and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in said County and State, the day and year in this certificate first above written.

Notary Public in and for Said
County and State

My Commission Expires:

_____.

****

STATE OF NEVADA,)
) SS.
COUNTY OF Pershing.)

On this 2nd day of February, A. D. 1954, personally appeared before me, a Notary Public in and for said County and State, PHILIP FORGE, known to me to be the person described in and who executed the foregoing instrument; who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal, at my Office in said County and State, the day and year in this certificate first above written.

Notary Public in and for said
County and State.

My Commission Expires:
March 16, 1954

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

STATE OF NEVADA, }
COUNTY OF Humboldt, } SS.

ON this 3rd day of February, A. D. 1954, personally appeared before me, a Notary Public in and for said County and State, ERNEST CERINI and ZELMA CERINI, his wife, known to me to be persons described in and who executed the foregoing instrument; who acknowledged to me, each for himself and herself, that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

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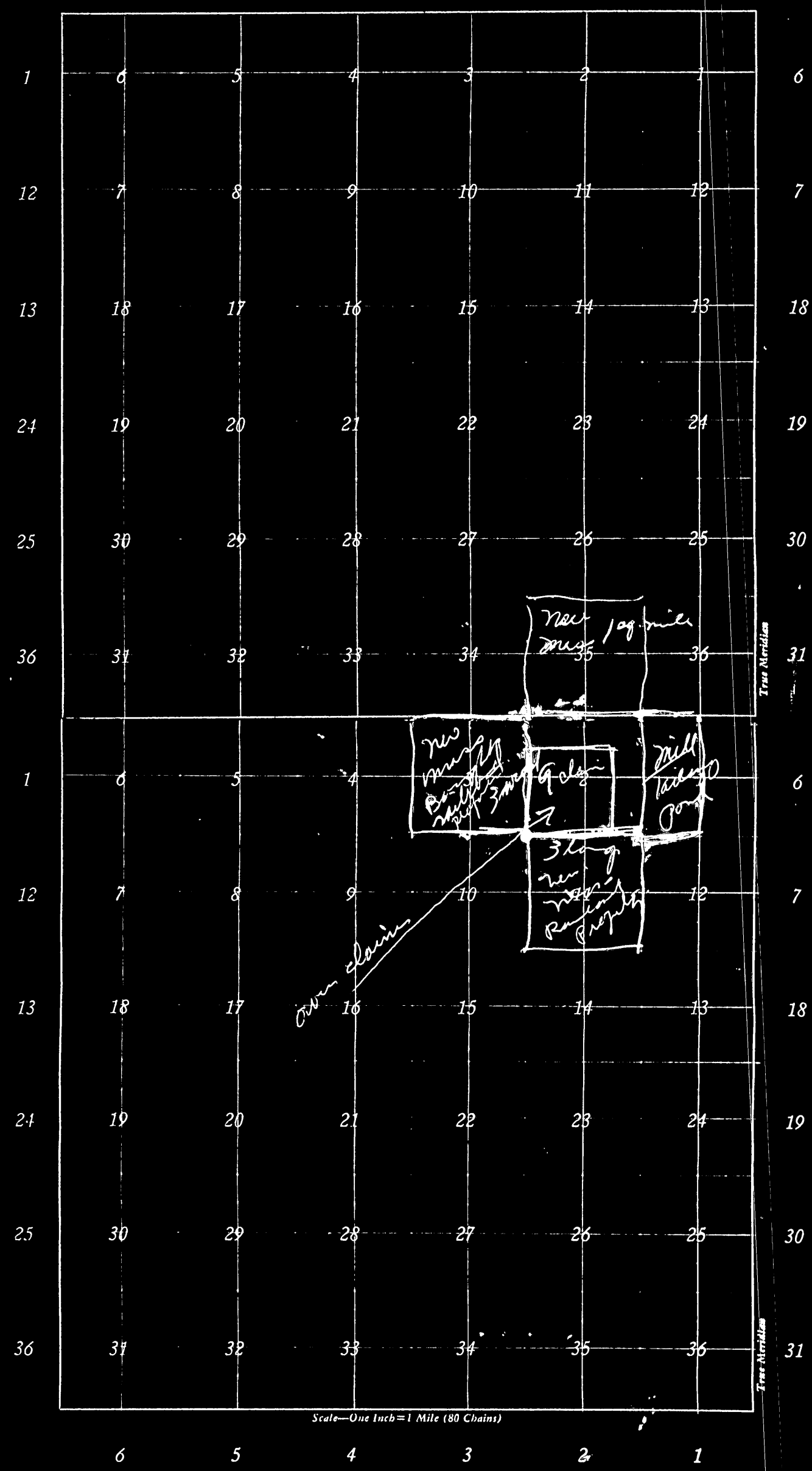
Notary Public in and for said County and State.

My Commission Expires:

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

Township Range Meridian

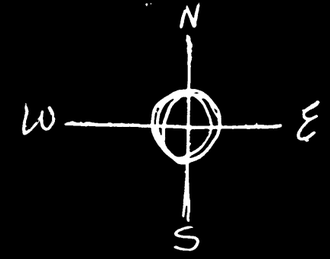


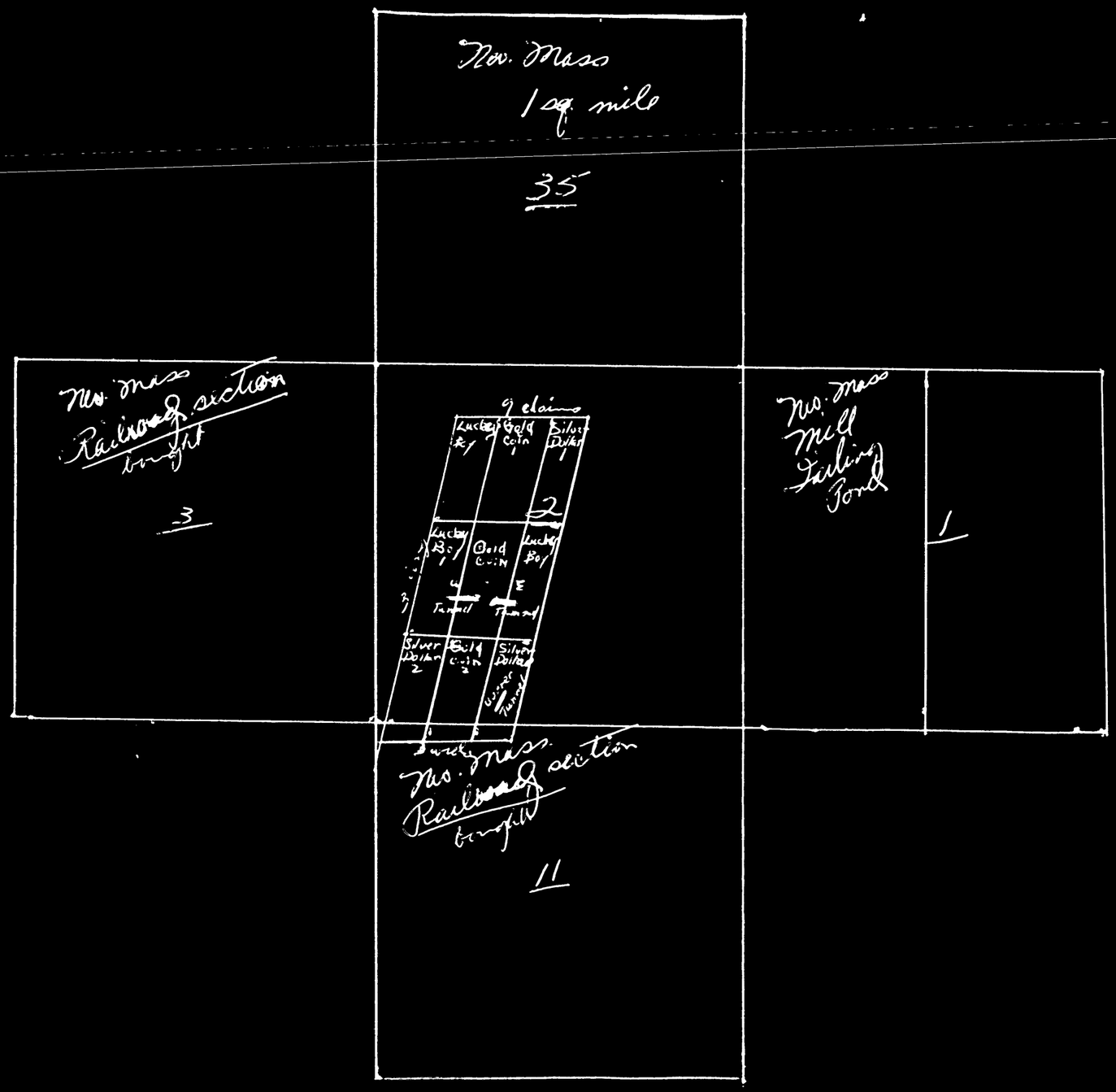
Remarks:

Form No. 1268—TOWNSHIP PLAT—80 Chains to 1 inch.

PRINTED BY CARLISLE, S. F.

Claim lies in Section 2, T. 33 N., R. 34 N.





3 in for 1 sq mile
Cutter Tunnel 300 ft. N.S.
West Tunnel 130 ft. E. + W
East Tunnel 150 ft. E. + W.

400

DOCKET
SURNAME
Chapman
Martin
HoCliday
Hedgis
Newcomb
Selfridge
Johnson

Messrs. H. E. Ruckteschler, Frank Wagner
and Ernest Cerini
P. O. Box 671
Winnemucca, Nevada

Re: Docket No. DMEA 394 - Tungsten
Forge Property
Pershing County, Nevada

Gentlemen:

Your application for aid for an exploration project and other data available to us in Washington relating to the above noted property, have been carefully reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgement, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information leads to the conclusion that although scattered showings of scheelite are found along a tactite zone, these are of a low grade, and indicates to us that the probability of discovering minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise, therefore, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Exploration Administration program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

TLChapman:fec
3-2-55
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
Ft. Reg. 2
~~W. McInnis, USBM~~ RW HoCliday USBM
Thor H. Kiilsgaard, USGS

R.C.L.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

March 3, 1955

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $23,600.00
Docket No. DMEA 3494 - Tungsten
H. E. Rockteschler, Frank Wagner and Ernest Cerini
Forge Property
Pershing County, Nevada

The denial of the subject application by this Division is based on the following information:

1. The applicant requested exploration assistance in the amount of $23,600.00 to explore for tungsten ores along a tactite zone which shows scheelite mineralization.

2. The property is known as the Forge and consists of nine unpatented lode mining claims. It is located in the Eugene Mountains, Central Mining District, Pershing County, Nevada, and is in section 2, T. 33N., R. 34 E. It is about one mile southerly from the Nevada-Massachusetts mill.

3. The Forge property was first located and worked for gold-silver values. Prior to 1918 it is reported that some silver ore was shipped from the property. The claims were re-located in 1940 for its tungsten values. An inclined shaft, several short adits, and a number of pits and trenches were excavated to explore a tungsten-bearing tactite bed. Later these beds were further explored by bulldozer trenches. In 1947, a lessee drove along the tactite zone a 285 foot adit to reach the possible downward extension of a good surface exposure. In 1952, two other adits were driven under the mineralized zones, but none of this work found any minable ore.

4. This area is underlain by a grano-diorite which has intruded calcareous and argillaceous meta-sedimentary rocks. These units are cut by narrow hornblende andesite dikes. Tactite which locally contains scheelite is found associated with the calcareous rocks.

5. To explore the area the applicant proposes to extend the East crosscut 30 feet to a limestone wall, extend the West crosscut 30 feet to cut a limestone bed, then sink a 100 foot vertical shaft from the present face of this crosscut and drift 40 feet each way from the bottom of the shaft, and also to sink a 100 foot inclined shaft near the portal of the Kerr tunnel and drift 40 feet each way from the bottom of this shaft.

6. Of eight samples taken from the better showings by the Field Team, the highest showed 0.18 percent WO_3. Higher grade samples are reported by the Applicant, but were not verified by the Field Team.

7. All data indicate that the property has been well explored without finding ore of a minable grade and that further exploration is not likely to improve this position.

8. The Field Team and the Commodity Divisions of the Geological Survey and Bureau of Mines recommend denial of the application.

W S Martin

W. S. Martin, Chief
Iron and Ferro-Alloys Division

DOCKET
SURNAME
Chapman
Martin

March 3, 1955

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $23,600.00
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5. To explore the area the applicant proposes to extend the East crosscut 30 feet to a limestone wall, extend the West crosscut 30 feet to cut a limestone bed, then sink a 100 foot vertical shaft from the present face of this crosscut and drift 40 feet each way from the bottom of the shaft, and also to sink a 100 foot inclined shaft near the portal of the Kerr tunnel and drift 40 feet each way from the bottom of this shaft.

6. Of eight samples taken from the better showings by the Field Team, the highest showed 0.18 percent WO_3. Higher grade samples are reported by the Applicant, but were not verified by the Field Team.

7. All data indicate that the property has been well explored without finding ore of a minable grade and that further exploration is not likely to improve this position.

8. The Field Team and the Commodity Divisions of the Geological Survey and Bureau of Mines recommend denial of the application.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

TLCHAPMAN:foc
3-2-55
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.

Docket

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

Defense Minerals Administration
RECEIVED
FEB 24 1955

February 23, 1955

Re: DMEA-3494
Ruckteschelor, Wagner, and Cerini
(Forge Property)
Pershing Co., Nevada
$23,600 - Tungsten

WSM

Copy retained 100

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of Field Team examination report

The operator proposed to further explore three tactite zones by 420 feet of underground work, as follows:

1.) Extend East crosscut 30 feet.

2.) Extend West crosscut 30 feet, sink 100 foot shaft and drift 80 feet from the bottom of the shaft.

3.) Sink 100 foot inclined shaft and drift 80 feet in tactite near portal of Kerr tunnel.

The Field Team has recommended the application be denied. The applicant's proposal is not geologically justified for the following reasons:

1.) Extension of East crosscut is unlikely to find better mineralization on the east side of the tactite zone. No geologic evidence of an increase from west to east thru the zone.

2.) Extension of West crosscut to cut a second limestone bed is not feasible as a second limestone bed does not crop out at the surface.

3.) The Kerr tunnel has explored under the best surface exposure of scheelite-bearing tactite without finding any significant amount of mineralization. This work has indicated that higher grade material is unlikely to be found at greater depth.

The results from eight samples taken of representative mineralization on the property ranged from 0.01 to 0.18 percent WO_3. With the exception of one assay (0.18% WO_3) which was obtained from material above the Kerr tunnel, all of the sample assays were less than 0.1 percent WO_3.

Copy retained 100

There is no record of any past production and all inferred reserves contain considerably less than 0.2 percent WO_3.

Although four mineralized limestone beds containing tactite zones are exposed on the property, the amount of mineralization is very limited. The character of the deposits is best described as sparsely disseminated scheelite which occurs locally in small parts of the tactite zones. Sufficient exploration has been done on the property to indicate that a significant discovery cannot reasonably be expected by further exploration under the DMEA program.

I recommend the application be denied.

E. L. Newcomb

E. L. Newcomb

Docket

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

Received
FEB 14 1955

420 Custom House
555 Battery Street
San Francisco 11, Calif.

February 7, 1955

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3494 - Tungsten
Ruckteschler, Wagner, and Cerini
Forge Property
Pershing County, Nevada

Reference is made to your letter of November 26, 1954, requesting a field examination and recommendations on above subject property.

Attached are four copies of a report entitled "DMEA-3494, Forge Property, Pershing County, Nevada," by Henry W. Jones, Mining Engineer, U. S. Bureau of Mines, and Earl H. Pampeyan, Geologist, U. S. Geological Survey, dated January 31, 1955.

The report recommends that the application for an exploration loan be denied and Roscoe Smith and I agree with the recommendation.

Sporadic scheelite mineralization occurs in thin beds of tactite. These beds have been reasonably well explored by surface trenching and by crosscuts and drifting. Sampling results would indicate that there is no reasonable expectancy of discovering significant tonnage of ore that would contain over 0.20 per cent WO_3.

S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachment

Copy to: Roscoe Smith, USGS

Reviewed by
DMEA OPERATING COMMITTEE
2-18-55
(date)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 14 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

DMEA-3494, Forge Property

Pershing County, Nevada

(Tungsten)

Henry W. Jones, Mining Engineer
U. S. Bureau of Mines

Earl H. Pampeyan, Geologist
U. S. Geological Survey

January 31, 1955

Reviewed by
DMEA OPERATING COMMITTEE
2-18-55
(date)

EXAMINATION REPORT

Docket No.: DMEA-3494 (Tungsten)

Name and address of applicant: H. E. Ruckteschler, P. O. Box 671, Winnemucca, Nev.
Frank Wagner, Winnemucca, Nev.
Erine Cerini, Lovelock, Nev.

(Partners)

Name and location of property: Forge Property
Pershing County, Nevada

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

An application was presented to the DMEA for underground exploratory assistance on the Forge tungsten property, located in the Eugene Mountains, Pershing County, Nev. The loan request, submitted on Nov. 10, 1954 by the applicants, proposed a program costing $23,600. The work, to be done in three separate areas, is summarized as follows:

1. 30 feet of crosscutting in the East adit.

2. 30 feet of crossuctting, 100 feet of vertical shaft sinking, and 80 feet of drifting in the West adit, and

3. 100 feet of shaft sinking and 80 feet of drifting from near the Kerr Tunnel. The purpose of sinking is to pic k up a higher grade of scheelite hoped to exist at depth.

A joint Bureau of Mines-Geological Survey examination was accordingly arranged to determine if sufficient mineralization was present or inferred, to justify Government assistance.

Examination of surface and underground exposures with an ultra violet lamp did reveal localized hot spots of scheelite, but samples cut from these hot spots assayed less than 0.2% WO_3.

It is recommended that the applicants' request for a DMEA loan on the Forge property be denied because of the sporadic distribution of scheelite in the tactite and the absence of ore reserves.

TIME SPENT ON PROPERTY

The property was examined on December 14 and 15, 1954 by the DMEA field team[1/] accompanied by Frank Wagner, one of the partners. Previous examinations of the property were made by Bureau engineers in August 1941 [2/] and again on June 14, 1944 [3/]. Geological mapping of the area was completed by the Federal Geological Survey in June 1943 [4/].

LOCATION

The Forge property consists of nine unpatented lode claims. The Gold Coin, Gold Coin #1 and Gold Coin #2, Silver Dollar, Silver Dollar #1 and Silver Dollar #2, Lucky Boy, and Lucky Boy #1 and Lucky Boy #2; all held by location. They are situated in the Central Mining District, section 2, T. 33 N., R. 34 E., near the southern end of the Eugene Mountains, Pershing County, Nev. Mill City, a small

1/ Jones, H. W., mining engineer, Bureau of Mines and Pampeyan, E. H., geologist, USGS.
2/ Ricker, S., mining engineer, Bureau of Mines.
3/ Benson, W. T., unpublished W. M. R. Nev. 82.
4/ Chesterman, C. W., unpublished confidentail report, USGS, Forge (Gold Coin) claims, Eugene Mtns., Pershing Co., Nev. June 26, 1943.

station on the Southern Pacific Railroad and U.S. Highway 40 is located about seven miles southeast of the property. The claims are reached by traveling to Mill City on U.S. Highway 40, about 28 miles west of Winnemucca, Nev. From this point travel the paved Nevada-Massachusetts mine road 6.2 miles to a turnoff to the west (1/2 mile below the Nevada-Massachusetts mill); an ungraded year around mine road is then followed 1.3 miles up a small gully to the mine workings.

COMPETENCY OF APPLICANT

Mr. H. E. Ruckteschler, who is a successful business man in Winnemucca, will finance the operations. Ernest Cerini operates a service station in Lovelock, and Frank Wagner, the only partner with a working knowledge of mining methods, is in the drayage business in Winnemucca.

The applicants appear to be competent financially, however, the apparent mining knowledge of Mr. Wagner is confined to working in mines and not in supervision or planning. If a loan should be granted, it is believed a competent engineer should be hired to direct operations.

APPLICANTS' PROPERTY RIGHTS

The nine claims previously mentioned are filed in Book 9, pages 464, 465, 466, 441, 442, 467 and 468 in the Pershing County courthouse at Lovelock, Nev., under the names of Philip Forge, Ernest Cerini, and Frank Wagner. The properties are held under option to

purchase by H. E. Ruckteschler, Ernest Cerini, and Frank Wagner, purchase price set at $300,000 as covered in the official agreement drawn up and included with the docket file application.

HISTORY

The Forge property, situated 1 mile south of the Nevada-Massachusetts tungsten mines, was first located and prospected as a gold and silver claim. Some silver was reportedly mined and shipped from a number of small cuts and short adits just above the present workings prior to 1918. The area was again taken up for tungsten in 1940 by the present owners and additional claims staked to make up the existing claim group. An inclined shaft, several short adits, and a number of pits and trenches were excavated shortly afterward to explore the tungsten-bearing tactite zones and beds. A geological map [4/] was made of the property showing an extended tactite zone to the southeast of the central workings. Accordingly several bulldozer trenches were made by the owners exposing the zone along most of the mapped length. In 1947, a 285-foot adit was driven by Kerr and Atkinson (lessees) from approximately the 5615-foot elevation under a rich scheelite pocket noted in the southeastern part of the map area. Only meagre scheelite indications were lamped along the length of the adit, including under the surface pocket. In 1952, two adits were driven; one to the west and the other to the east from near the gully bottom at an approximate elevation

of 5640 feet. The west adit driven for 120 feet encountered scheelite scattered in a zone between 53-65 feet. An additional small lens was noted in the floor at the face. The east adit driven for 150 feet under the surface tactite bodies showed only minor amounts of scheelite mineralization.

The applicant stated that he had no knowledge of any scheelite ore being shipped from the mine.

LABOR AND LIVING CONDITIONS

There is no housing or equipment on the property. The nearest available housing accommodations are in Imlay and they are considered quite limited. Mining personnel is available in Winnemucca, 34 miles northeast of the property, and occasionally from the nearby Nevada-Massachusetts mine. Transmitted electric power is available from the nearby Sierra Nevada power line which services the Nevada-Massachusetts mine. Mining equipment and supplies can also be obtained from Winnemucca.

PHYSICAL FEATURES

The claims are at an elevation of 5600-5700 feet in low rolling foothills directly adjoining the Humboldt River flood plains to the south. The southern part of the Eugene mountains lie immediately to the north. The area is typified by wide flat valleys and generally rugged mountains rising abruptly from small foothills. The climate is arid with relatively hot summers and cold winters. Precipitation occurs mostly in the form of snow in the winter months with occasional summer flash floods.

The area is accessible on oiled roads the year round, with the last mile of mine road passable at all times. Water for domestic and mine use is available with a well located in the flat, 1 mile south of the property. The surrounding area is covered by a sparse growth of sagebrush and desert grass.

GEOLOGY

The Forge property is underlain by medium-grained granodiorite which has intruded calcareous and argillaceous meta-sedimentary rocks. These units are cut by narrow hornblende andesite dikes. Tactite, which locally contains scheelite, is found associated with some of the calcareous beds. The sedimentary rocks strike N. 5-10° W. and dip vertical to 80° east. The beds are offset by faults of small displacement.

Yellow-brown hornfels comprise most of the meta-sedimentary series. This metamorphosed shale and mudstone is soft and easily weathered except where silicified and hardened along the bands of tactite. Blue and white mottled limestone in beds as much as 60 feet thick comprise the rest of the meta-sedimentary rocks. Two of these beds are reported to be similar to, and possibly extensions of, the "Mill Beds" at the nearby Nevada-Massachussets tungsten mine [4], and contain irregularly sized, lenticular bodies of tactite. Some limestone beds on the property contain no appreciable amounts of tactite, whereas at least one is converted wholly to tactite.

The tactite is composed of garnet, epidote, calcite and quartz with local concentrations of scheelite. A thin band of tactite, which can be traced for about 1,300 feet along the east side of the property (fig. 2) is composed mainly of fine-grained epidote and quartz and traces of scheelite.

ORE DEPOSITS

Scheelite is found in small crystals sporadically disseminated through some of the tactite and also in thin films on fracture surfaces in the tactite. Most of the tactite, however, was not mineralized. The scheelite is associated with favorable zones or layers in the limestone. Proximity of granitic rock apparently had little effect on localizing the tungsten.

Four mineralized beds have been explored in shallow workings: The west limestone; the east limestone; the central limestone; and the Kerr tunnel tactite.

Two crosscuts and ten trenches and pits have uncovered the west limestone bed over a strike length of almost 800 feet and vertical distance of 40 feet. Scattered zones of tactite were found along the length of the bed but lamping did not show scheelite in all of the tactite. The best sample cut from the surface and underground showings of scheelite in the west tactite zone assayed 0.08% WO_3. This scheelite is too spotty and low grade to be of economic value.

The tactite found on the east side of the road has been explored by one crosscut and nine trenches and pits over a horizontal distance of 400 feet and a vertical distance of 80 feet. Assays of samples cut from the eastern limestone bed and the adjoining central tactite zone averaged less than 0.04% WO_3.

The most extensive showings of scheelite were seen on the surface in the narrow band of tactite along the eastern edge of the property. A drift (Kerr tunnel), approximately 285 feet long, follows the 6-foot band of mineralized rock and ends just after passing through a northeast-striking fault. It appeared that the drift was not offset enough to pick up the extension of the tactite and work was then abandoned. Lamping underground revealed small localized disseminations of scheelite, but none seen underground compared to the higher grade rock sampled elsewhere on the property. In the earlier work by the Geological Survey [4/], it was reported that this narrow band contained an estimated 0.5% WO_3 for 850 feet north of the Kerr tunnel. Recent bulldozer trenching, sampling, and exposures in the Kerr tunnel show that the grade of the deposit was over estimated during this earlier work. A sample taken by the DMEA Field Team in the small pit above the Kerr tunnel assayed 0.18% WO_3, the highest assay value obtained from the property.

No production has been reported from this property.

ORE RESERVES

Reserves of scheelite on the Forge property are confined to inferred ore. In the narrow Kerr tunnel tactite, a block measuring about 1,300 feet long, averaging 6 feet thick and about 100 feet along the dip, equals about 26,000 tons containing about 0.2% WO_3. One-third of the block is inferred to be ore of the estimated grade. It is estimated that an additional 20,000 tons of tactite, averaging less than 0.05% WO_3 exist on the property in the east and west limestone beds and the central tactite zone.

SAMPLING

Eight samples were taken, representing the scheelite mineralization exposed. Analyses of these samples made by the Bureau of Mines at Reno, Nev., and a description of each sample is as follows: (Locations are also noted on the accompanying maps)

Sample No.	%, WO_3	Width, feet	Description
132	0.08		Dump sample taken from old shaft northwest tactite area.
133	0.01	2.5	Tactite material in northernmost pit central tactite zone.
134	*0.01	12.0	South wall, West adit 53-65 feet from portal.
135	0.05		Grab sample taken from floor, face of West adit.
136	0.04	6.0	South wall East adit, 57-63 feet from portal.
137	*0.01	1.0	Scheelite exposed in dozer cut, hillside to southwest of central tactite area.
138	0.18		Grab sample of pit material in tactite just above Kerr tunnel.
139	*0.01		Grab sample of southern pits, central tactite area.

PROPOSED EXPLORATION

The applicant's proposed exploration program, consisting of 420 feet of underground work to be done on three different tactite zones located on the applicant's six claims, is as follows:

Item 1. Extend the East crosscut 30 feet to hit a limestone wall beyond the tactite.

Item 2. Extend the West crosscut 30 feet to hit a postulated limestone bed lying just west of the end of the crosscut. Sink a 100-foot vertical shaft from the present face of the crosscut on a streak of "high grade" scheelite now exposed. Drift 40 feet each way from the bottom of the shaft to explore the tactite at depth.

Item 3. Sink a 100-foot inclined shaft on the narrow tactite band from near the portal of the Kerr tunnel. Drift 40 feet each way from the bottom of the shaft to explore the tactite band.

The reason for sinking in Items 2 and 3 is that the applicant expects that scheelite distribution will be more uniform at depth.

Costs prepared by the applicants for the proposed work are as follows:

Crosscutting (30 feet in each heading), 60 feet @ $40/ft.	$ 2,400
Sinking, winze and shaft, 200 feet @ $70/ft.	14,000
Drifting from winze & shaft, bottom, 40 feet each way on 4 headings, 160 feet @ $45/ft.	7,200
	$23,600

Government participation @ 75% = $17,700.00

There is no geological justification for extending the East adit 30 feet, for there is no evidence that one side of the tactite is mineralized more than the other side. Extending the West crosscut 30 feet to cut a postulated second limestone bed also has no geological justification as a second bed does not crop out at the surface where reported by the applicant and it is unlikely that it would exist underground. A sample from the "high grade" streak exposed under the track at the face of the West adit contained only 0.05% WO_3. It is possible that this "high grade" could lead to better ore at depth but it is probable that this streak, like others on the property, would be small and low grade. The Kerr tunnel which passes under the best showing of scheelite-bearing tactite produced very little if any ore. Lamping in this tunnel showed a few small "hot spots" of scheelite but none looked as good as those in the surface croppings. It is unlikely that the grade of this rock will increase with depth.

Diamond drilling was discussed with the applicant as an alternate method of exploration. It was decided that an adequate drilling program would be too costly for this spotty deposit and would not yield enough information. No other methods of exploration are discussed or suggested here because the property does not merit further work.

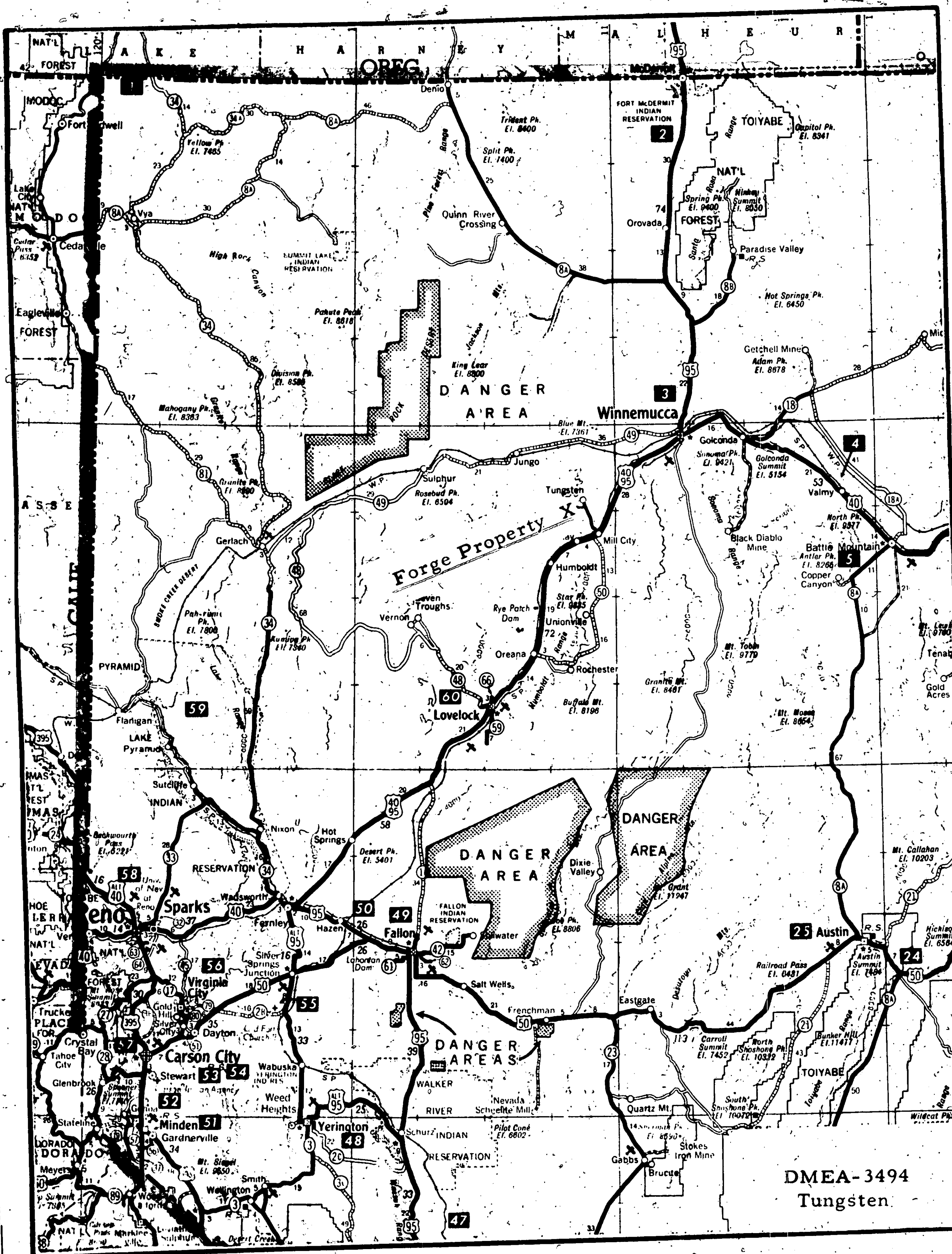
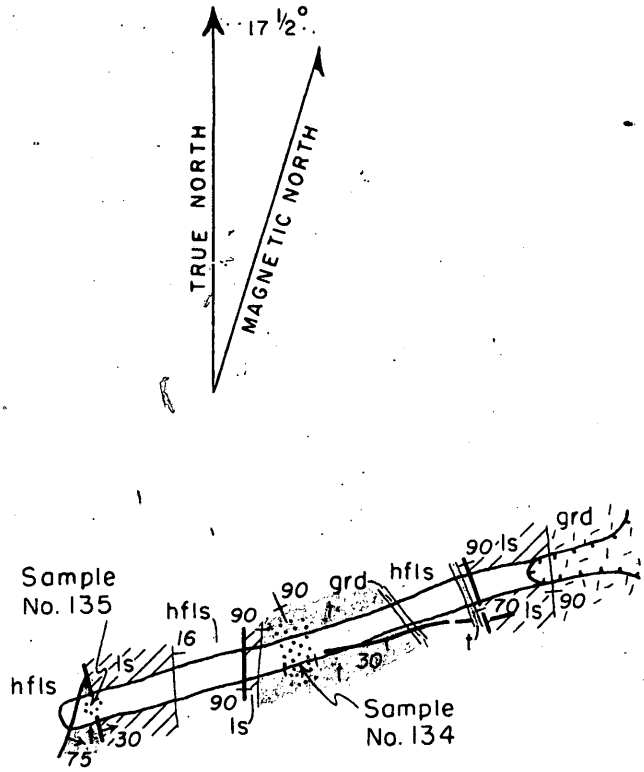


FIG. I

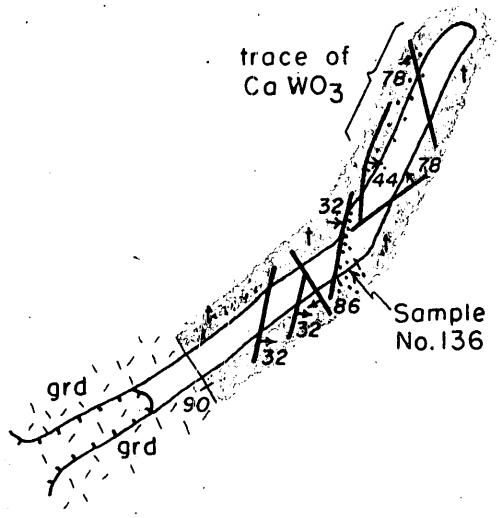
LOCATION MAP

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3494
(TUNGSTEN)



WEST X-CUT



EAST X-CUT

EXPLANATION

grd — Granodiorite

Tactite — Intensity of dots indicates approximate amount of scheelite

ls — Mottled blue and white limestone

hfls — Hornfels

16 — Contact, showing dip

75 — Fault, showing dip (Dashed where approximately located)

90 — Strike of vertical beds

Portal and open cut

Mapped by:
E.H. Pampeyan, U.S.G.S.
H.W. Jones, U.S.B.M.

EAST AND WEST WORKINGS, FORGE PROPERTY
PERSHING COUNTY, NEVADA

50 0 50 100 FEET

FIGURE 3

DOCKET
SURNAME

400 Rutledge
Martin
Selfridge
Johnson
Mitchell

FEB 3 1955

Mr. Spangler Richer, Executive Officer
DMEA Field Team, Region II
420 Custom House Building
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA 349 - Tungsten
Rucktaschler, Wagner, and Cerini
Forge property
Pershing County, Nevada

Dear Mr. Richer:

Reference is made to the subject docket and our letter of November 26, 1954.

In case an exploration project at the Forge property is recommended by the Field Team, the Owner's Consent to Lien forms should contain under Article 4, thereof, the insertion set forth under "Special Notice," Operating Committee Minutes No. 469, dated January 21, 1955, as follows:

> In paragraph 2 the words "the period fixed in the contract or any amendment thereof has" are substituted for "ten years have."

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

APPROVED:

J. H. Hedges
Member, Bureau of Mines (JHB)

Thor H. Kiilsgaard
Member, Geological Survey (JHB)

cc to: Docket
Code 400
Adm. Reading File
Operating Committee
FT. REG. II
W. McInnis, USBM
T. H. Kiilsgaard, USGS

FARutledge/foc 2-1-55

R.C.R.

DOCKET
SURNAME

Rutledge
McDonnis
Newcomb
Selfridge
Johnson

400

NOV 26 1954

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region III
420 Custom House Building
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA 3494 - Tungsten
Ruckteschler, Wagner, and Cerini
Forge property
Pershing County, Nevada

Dear Mr. Ricker:

The above-docketed application for exploration assistance is being referred to your office for a field examination of the property.

Normally in the case of such an incomplete application, we would have requested the applicant to furnish more information before referring the docket to the Field Team for an examination of the property. In the present case, however, our requests to date have engendered little additional data and a field examination of the prospect appears indicated by the available information.

The Forge prospect was examined by W. T. Benson, Bureau of Mines, in June 1944. Mr. Benson's unpublished report suggested a Bureau of Mines' exploration project as follows:

> "The tungsten showings on this property warrant exploration to definitely determine grade of the ore and to ascertain if mineralization is continuous along the strike of the tactite zones.
>
> The first work of exploration should be to systematically trench the narrow tactite beds, and to sink some test pits in order to continue the investigation well below the weathered surface.
>
> If the results of this work are encouraging, a more extensive exploration by diamond drilling is justified."

R.C.H.

If the results of the Field Team examination indicate Government participation in an exploration program is warranted, Owner's Consent to Lien forms should be executed.

Two copies of a letter dated November 10, 1954, from Mr. N. E. Rucktenschler with attachments are enclosed for your information.

Sincerely yours,

George C. Selfridge By ESF
Chairman, Operating Committee

Enclosure

APPROVED:

J. H. Hedges By ESF
Member, Bureau of Mines

Thor H. Kiilsgaard By ESF
Member, Geological Survey

FARUTLEDGE:fec
11-22-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. III
R. W. Geehan, USBM
Thor H. Kiilsgaard, USGS

DOCKET
SURNAME

Rutledge
McBride
Newcomb
Kiilsgaard
Hedges
Selfridge
Johnson

400

NOV 2 6 1954

Messrs. H. E. Rucktenschler,
Frank Wagner, and Ernest Carini
P. O. Box 671
Winnemucca, Nevada

Re: Docket No. DMEA 349 - Tungsten
Forge property
Pershing County, Nevada

Gentlemen:

This will acknowledge your letter of November 10, 1954, and attachments with regard to your application for exploration assistance at the Forge property.

The subject application, after review, has been referred to Mr. Spangler Richer, Executive Officer, DMEA Field Team, Region III, 420 Custom House Building, 555 Battery Street, San Francisco 11, California, for a field examination of the property.

Any assistance that you can render the members of the Field Team will be appreciated.

Sincerely yours,

J. O. Mittendorf

Administrator

FARutledge:fec
11-22-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. III
R. W. Geehan, USBM
Thor H. Kiilsgaard, USGS

R.C.B.

A A A
GOODYEAR TIRES
STANDARD PRODUCTS

AUTO REPAIRING
STANDARD ALL POINT
LUBRICATION

Defense Minerals Administration
RECEIVED
NOV 16 1954

RUCKS SERVICE GARAGE

Authorized Sales and Service

WINNEMUCCA, NEVADA

TELEPHONE 230

NOVEMBER 10,1954

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25 D.C.

RET:DOCKET NO DMEA 3494-TUNG-
-STEN FORGE PROPERTY
PERSHING COUNTY,NEVADA

DEAR SIRS;

WE DO NOT HAVE A GEOLOGIC MAP AND BELEIVE THAT THERE IS NONE IN EXISTENCE.THE GEOLOGIC DISCRIPTION IS,WE HAVE FOUR LEDGES THAT RUNS THROUGH OUR PROPERTY AND WE ARE SURE THAT TWO OF THEM ARE AN EXTENTION OF THE NEV-MASSACHUSETTS TUNGSTEN MINE NEAR MILL CITY,NEV.BELEIVE THAT THESE LEDGES ARE THEIR MAIN ORE BODIES.THE PROPERTY IS ON A CONTACT OF LIMESTONE SHALE AND GRANITE AND APPEARS TO BE MINERALIZED FOR A DISTANCE OF ABOUT TWO HUNDRED FEET.THE CONTACT IS A METAMORPHIC DEPOSIT.WE HAVE SOME HIGH GRADE STREAKS AND SEAMS THAT ARE VISIBLE,UNKNOWN AS TO VALUE OVER THIS EXTENSIVE WIDTH(200 FT OR SO).

HAVE SUBMITTED THREE MAPS.NO 1 MAP IS THE GROUP OF CLAIMS.NO 2 MAP IS THE GOLD COIN CLAIM.NO 3 MAP IS THE SILVER DOLLAR CLAIM.ON THE GOLD COIN WE WANT TO EXTEND EACH TUNNEL ANOTHER THIRTY FEET AS WE FEEL THAT WE WILL HIT A TIME WALL.IN TUNNEL NO 1 WE WANT TO SINK ON A HIGH GRADE STREAK FOR A DISTANCE OF ONE HUNDRED FEET AND DRIFT FORTY FEET EACH WAY.ON THE SILVER DOLLAR WE WANT TO SINK ON A HIGH GRADE STREAK FOR A DISTANCE OF ONE HUNDRED FEET AND DRIFT FORTY FEET EACH WAY.HAVE PUT THE PROPOSED WORK IN DOTTED LINES. THE REASON THAT WE WANT TO SINK IS THAT WE FEEL THAT THE DISTRIBUTION OF SCHEELITE MINERALIZATION WILL BE MORE UNIFORM AT THAT DEPTH.

WE DO NOT HAVE ANY ASSAY MAPS AND HAVE NOT HAD THE PROPERTY SAMPLED. WE BASE OUR JUDGEMENT ON EXAMINATION BY MINERAL LIGHT ONLY.

MR FORGE THE OWNER WILL SIGN OWNERS CONSENT TO LIEN AS SOON AS WE FORWARD THEM TO HIM.

HOPE THAT THIS IMFORMATION IS WHAT YOU WANT.

VERY TRUKY YOURS

H E Ruktuschler

NOVEMBER 10,1954

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25 D.C.

RET:DOCKET NO DMEA 3494-TUNG-
-STEN PORGE PROPERTY
PERSHING COUNTY,NEVADA

DEAR SIRS;

WE DO NOT HAVE A GEOLOGIC MAP AND BELIEVE THAT THERE IS NONE IN EX-ISTENCE.THE GEOLOGIC DISCRIPTION IS,WE HAVE FOUR LEDGES THAT RUNS THROUGH OUR PROPERTY AND WE ARE SURE THAT TWO OF THEM ARE AN EXTENTION OF THE NEV-MASSACHUSETTS TUNGSTEN MINE NEAR MILL CITY,NEV.BELIEVE THAT THESE LEDGES ARE THEIR MAIN ORE BODIES.THE PROPERTY IS ON A CONTACT OF LIMESTONE SHALE AND GRANITE AND APPEARS TO BE MINERALIZED FOR A DISTANCE OF ABOUT TWO HUN-DRED FEET.THE CONTACT IS A METAMORPHIC DEPOSIT.WE HAVE SOME HIGH GRADE STREAKS AND SEAMS THAT ARE VISIBLE,UNKNOWN AS TO VALUE OVER THIS EXTENSIVE WIDTH(200 FT OR SO).

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WE BASE OUR JUDGEMENT ON EXAMINATION BY MINERAL LIGHT ONLY.

MR PORGE THE OWNER WILL SIGN OWNERS CONSENT TO LIEN AS SOON AS WE FOR-WARD THEM TO HIM.

HOPE THAT THIS IMFORMATION IS WHAT YOU WANT.

NEVADA MASS GROUND

NEV MASS MILL

½ MI

W N S E

Lucky Boy No 2	Gold Coin No 2	Silver Dollar No 1
Lucky Boy No 1	Gold Coin	Lucky Boy
Silver Dollar No 2	Gold Coin No 1	Silver Dollar

NEVADA MASS GROUND

NEV MASS GROUND

NEV MASS ROAD

½ MI

MAP No 1

(DMEA 3494)

NEVADA MASS GROUND

A A A
GOODYEAR TIRES
STANDARD PRODUCTS

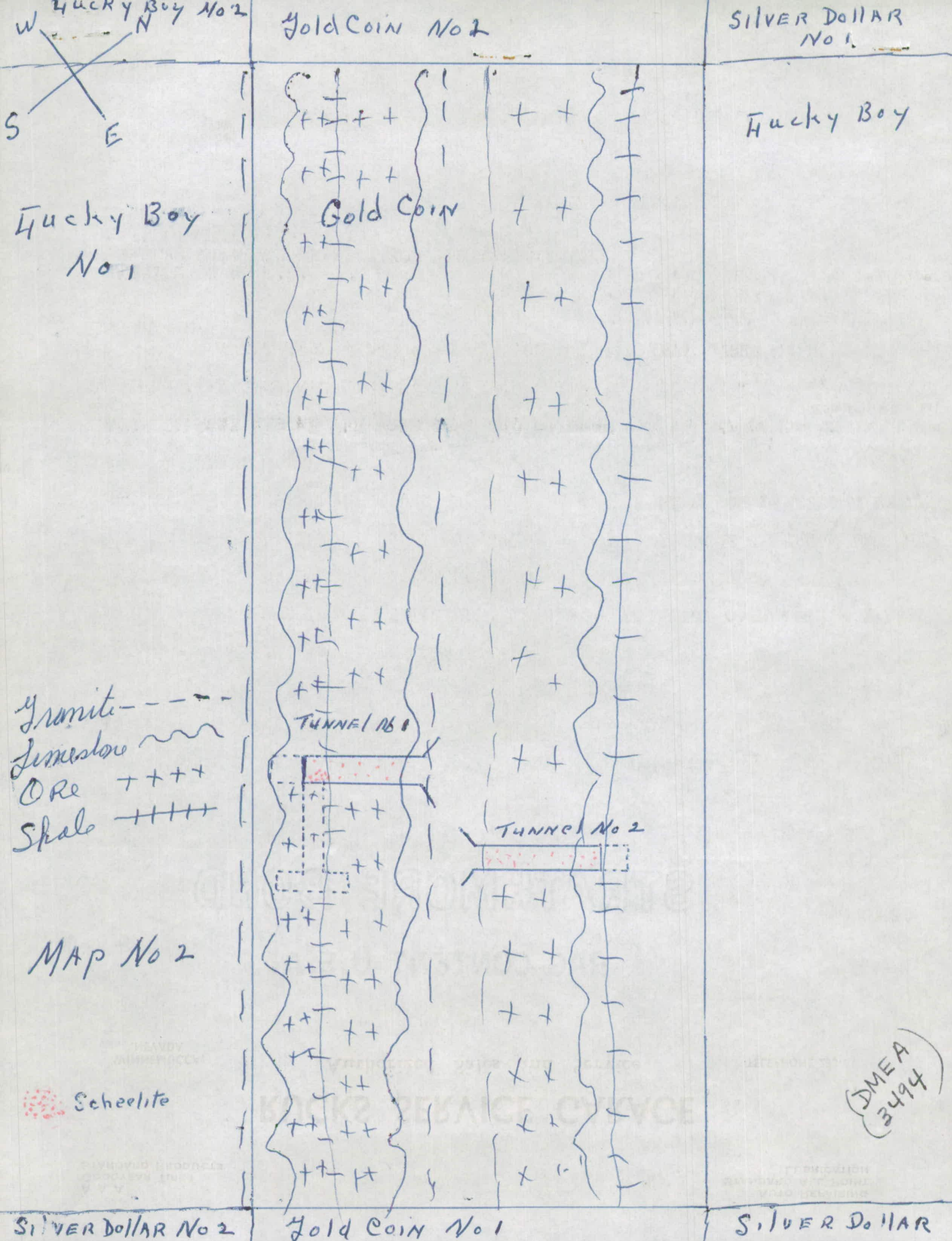
AUTO REPAIRING
STANDARD ALL POINT
LUBRICATION

RUCKS SERVICE GARAGE

WINNEMUCCA,
NEVADA

Authorized Sales and Service

TELEPHONE 230


Lucky Boy No 2
W
N
S
E
Gold Coin No 2
Silver Dollar No 1
Lucky Boy
Lucky Boy No 1
Gold Coin
Granite
Limestone
Ore
Shale
TUNNEL No 1
TUNNEL No 2
MAP No 2
Scheelite
Silver Dollar No 2
Gold Coin No 1
Silver Dollar

DMEA 3494

A A A
GOODYEAR TIRES
STANDARD PRODUCTS

AUTO REPAIRING
STANDARD ALL POINT
LUBRICATION

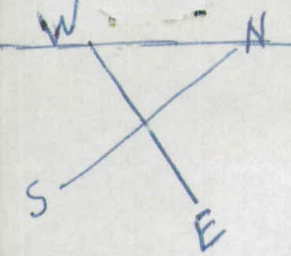
RUCKS SERVICE GARAGE

WINNEMUCCA,
NEVADA

Authorized Sales and Service

TELEPHONE 230

Gold Coin



Gold Coin
No 1

Lucky Boy

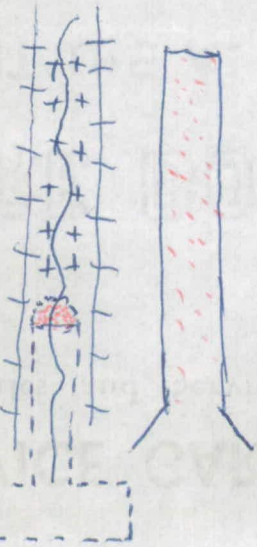
(DMEA 3494)

Silver Dollar

NEVADA MASS

Shale
Ore
Limestone

Foot wall + Hanging wall shale



Scheelite

MAP No 3

NEVADA MASS

A A A
GOODYEAR TIRES
STANDARD PRODUCTS

AUTO REPAIRING
STANDARD ALL POINT
LUBRICATION

RUCKS SERVICE GARAGE

WINNEMUCCA,
NEVADA

Authorized Sales and Service

TELEPHONE 230

other application by
Rechtenbach
DMEA 2930 - Nevada
Vernon claims
located Sec. 3, T. 29 N.,
R. 28 E., Pershing Co., Nev.
Denied 6/8/53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

September 22, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region III.

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region III.

DMEA-3494 H. E. Ruckteschler, et al.

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

September 22, 1954

Mr. H. E. Ruckteschler, et al.
P. O. Box 671
Winnemucca, Nevada

Subject: DMEA-3494
Re: Exploration Assistance
Forge Property

Gentlemen:

The receipt of your application dated September 10, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3494 and referred to the Iron & Ferro-Alloys Division.

Kindly refer to in any future correspondence relating to your application.

Sincerely yours,

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

RECEIVED
SEP 20 1954

420 Custom House
555 Battery Street
San Francisco 11, Calif.

September 14, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for Exploration loan filed in
San Francisco office by H. E. Ruckteschler
Frank Wagner, and Erine Cerini
Pershing County, Nevada - Tungsten

Attached are three of the four copies of an application for an exploration loan received in this office on September 13, 1954.

Supplemental data received included one copy of a lease agreement dated February 1, 1954, a claim map, record of claim recording, and a location map. These single documents are being sent herewith and no copy is being retained in this office.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachments

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED
SEP 20 1954

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 3494
Metal or Mineral TUNGSTEN
Date Received
Estimated Cost $23,600
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address:

H.E.RUCKTESCHLER P.O.BOX 671 WINNEMUCCA,NEVADA PARTNER
FRANK WAGNER WINNEMUCCA,NEVADA "
ERINE CERINI LOVELOCK,NEVADA Ernie, for Ernest "

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract THE MINING CLAIMS ARE GOLD COIN,GOLD COIN 1, GOLD COIN 2,SILVER DOLLAR,SILVER DOLLAR 1,SILVER DOLLAR 2,LUCKY BOY,LUCKY BOY LUCKY BOY 2.LOCATED IN CENTRL MINING DISTRICT PERSHING COUNTY NEVADA SECTION 2,T 33N,R,39 E 34 E.

(*b*) State any mine name by which the property is known. FORGE PROPERTY

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise LEASING WITH OPTION TO BUY.

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. BOOK 9,PAGES 464,465,466,441,442,467,468 LOVELOCK PERSHING COUNTY,NEVADA.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore TUNGSTEN

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 10 days and be completed within 10 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated Sept 10, 1954

A. Ruckteschler
(Applicant)

By

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

H.E.RUCKTESCHLER P.O.BOX 671 WINNEMUCCA,NEVADA
FRANK WAGNER WINNEMUCCA,NEVADA
ERNIE CERINI LOVELOCK,NEVADA

ITEM 4 PHYSICAL DISCRIPTION:EXPLORING THE SURFACE OF VEIN EXPOSERE BY HAND WORK AND WITH COMPRESSED AIR AND JACK HAMMER.EXISTING EXPLORATION HAS CONSISTED OF SERVERAL HUNDRED FEET OF TRENCHING,ONE TUNNEL ABOUT 130 FT,ONE TUNNEL ####ABOUT 150 FT AND ONE TUNNEL ABOUT 300FT

(B) PAST PRODUCTION NONE
CURRENT " TOO LOW TO SHIP

(C) VEIN TYPE FOOT AND HANGING WALLS ARE GRANITE,LIME AND SHALE.

(D) THE MINING CLAIMS ARE SITUATED APPROXIMATELY 7 MILES WEST OF MILL CITY WHICH IS NEAREST SHIPPING CENTER AND 36 MILES FROM WINNEMUCCA NEAREST SUPPLY CENTER.THE ROADS ARE ALL PAVED EXCEPT THE LAST MILE WHICH IS ACCESSIBLE.

(E) MANPOWER,MATERIAL AND SUPPLIES ARE AVAILABLE IN WINNEMUCCA,MINING EQUIPMENT CAN BE PURCHASED IN WINNEMUCCA OR RENO.WATER: A WELL ABOUT L MILE FROM CLAIMS.POWER: THE POWER LINE GOING TO NEV MASS MINE IS ABOUT 1 MILE

ITEM 5 ON GOLD WE PROPOSE TO CROSS CUT ANOTHER ## 30FT IN EAST TUNNEL AND ON GOLD COIN WE PROPOSE TO CROSS CUT 30FT IN WEST TUNNEL.ALSO TO SINK 100 FT AND DRIFT ON VEIN A DISTANCE OF 80FT IN WEST TUNNEL. ON SILVER DOLLAR WE PROPOSE TO SINK 100FT AND DRIFT ON VEIN A DISTANCE OF EIFGTY FT.('80 FT)

TOTAL CROSS CUT.....	60	FT
" DRIFTING.....	160	"
" SINKING.....	200	"
	420	FT

(D) H.E.RUCKTESCHLER HAS BEEN A PROMINENT AND SUCCESSFUL BUSINESS MAN IN WINNEMUCCA FOR THE PAST THIRTY YEARS.
FRANK WAGNER IS IN THE DRAGAGE BUSINESS IN WINNEMUCCA FOR PAST NINE YEARS AND PRIOR TO THAT TIME HAS BEEN WORKING IN MINES.
ERNIE CERINI HAS BEEN RUNNING A SERVICE STATION IN LOVELOCK FOR THE PAST FIVE YEARS.

H.E.RUCKTESCHLER P.O.BOX 671 WINNEMUCCA,NEVADA
FRANK WAGNER WINNEMUCCA,NEVADA
ERNIE CERINI LOVELOCK,NEVADA

ITEM 6:
ESTIMATE OF COST:

160 FT.OF DRIFTING	@ $ 45.00 PER FT.....	$ 7200.00
60 FT.OF CROSS CUTTING	@ 40.00 " "	2400.00
200 FT.OF SINKING	@ 70.00 " "	14000.00
		23600.00

GOVERNMENT PARTICIPATION @ 75%..... $ 17700.00

(A) INDEPENDANT CONTRACTS: NONE
(B) LABOR: 2 MINERS @ $ 15.20 PER DAY
1 " HELPER @ ## $ 14.00 PER DAY
1SUPERINTENTENDENT AND BOOK-KEEPER COMBINED @375.00 PER MONTH
(C) OPERATING MATERIAL AND SUPPLIES (375.00)

70 BOXES.OF 40% DYNAMITE	@ $ ## 12.00 PER BOX.....	$ 840.00
10,000 FT.OF FUSE	@ 12.50 PER M	125.00
30 BOXES.OF BLASTING CAPS	@ 2.40 " BOX	72.00
20 DETACHABLE BITS	@ 12.50 " EACH	250.00
DRILL STEEL		150.00
COMPRESSOR AND LUBRICATING OIL.....		75.00
400 FT.OF 2 INCH AIR LINE	@ $.75 PER FT.....	300.00
400 " " 1 " WATER LINE	@ .31 " "	124.00
2 INCH AND 1 INCH PIPE FITTINGS		60.00
2500 GAL GASOLINE	@ .28 PER GAL	700.00
250 FT.OF TRACK USED(10 LB RAIL)	@ .13 PER FT.....	32.50
2000 FT LUMBER	@ $ 120.00 PER M.....	240.00
		2968.50

(D) RENTAL COMPRESSOR,JACK HAMMER,JACK LEG,AND AIR HOSE
@ $ 175.00 PER MONTH.....FOR 10 MONTHS 1750.00

(E) REHABILITATION AND REPAIRS: NONE

(F) NEW BUILDINGS,IMPROVEMENTS,INSTALLATIONS: NONE

(G) MISC

EQUIPMENT MAINTENANCE AND REPAIR COST	200.00
ASSAYING.....	100.00

Cerini - Ernie & Zelma

Annual Work - Recorded in Annual Work Books

Silver Dollar - Silver Dollar #1 & #2

(Locations Certificates)
(Recorded Nov. 6, 1940)
( )
(Silver Dollar, Book 9,Page 464)
(" " #2, Book 9, Page 465)
(" " #2, Book 9, Page 466)
(of Mining Locations)

Book 7 - Page 380	- June 28, 1954
7 - " 223	- June 29, 1953
7 - " 42	- June 26, 1952
6 - " 447	- June 30, 1951
6 - " 278	- Sept. 26, 1950
File #33213	- June 22, 1949
" #32000	- June 24, 1948
" #30516	- June 18, 1947
Book 5 - Page 484	- June 10, 1946
File #27392 -	- June 21, 1945
" #26338	- June 15, 1944
Book 5, Page 442	- July 7, 1943
File #24363	- June 29, 1942

Philip Forge

Gold Coin - Gold Coin #1 & #2

(Location Certificates)
(Recorded Oct. 15, 1940)
( )
(Gold Coin - Book 9, Page 441)
(Gold Coin #1, " 9, " 442)
(Gold Coin #2, " 9, " 442)
( )
(of Mining Locations)

Book 7, Page 382 -	- June 28, 1954
7, " 224	- June 29, 1953
7, " 43	- June 26, 1952
6, " 446	- June 30, 1951
6, " 278	- Sept.26, 1950
File #33212	- June 22, 1949
File #32000	- June 24, 1948
File #30516	- June 18, 1947
Book 5, Page 484	- June 10, 1946
File #27392	- June 21, 1945
File #26339	- June 15, 1944
Book 5, Page 422	- July 7, 1943
File #24361	- June 29, 1942

Wagner - Frank & Elsie

Lucky Boy, Lucky Boy #1 & #2

(Locations Certificates)
(Recorded Nov. 6, 1940)
( )
(Lucky Boy Book 9, Page 466)
(Lucky Boy #1 " 9, Page 467)
(Lucky Boy #2 " 9, Page 468)
(of Mining Locations)

Book 7, Page 380	- June 28, 1954
7, " 222	- June 29, 1953
7, " 42	- June 26, 1952
6, " 457	- Aug. 3, 1951
6, " 291	-Sept. 28, 1950
File #33214	- June 22, 1949
" #32000	- June 24, 1948
" #30516	- June 18, 1947
Book 5, Page 484	- June 10, 1946
File #27392	- June 21, 1945
" #26340	- June 15, 1944
Book 5, Page 421	- July 7, 1943
File #24366	- June 29, 1942

NEVADA BUREAU OF MINES
UNIVERSITY OF NEVADA
RENO, NEVADA

OFFICE OF THE DIRECTOR

October 25, 1954

Mr. H. E. Ruekteschler
Rucks Shell Service
P. O. Box 671
Winnemucca, Nevada

Dear Mr. Ruekteschler:

In reply to your October 10 letter, we wish to inform you that a geologic map of the Nevada Massachusetts Tungsten Mine was published in the "Geology of the Tungsten Deposits near Mill City, Nevada", by P. F. Kerr; however, it is currently out of print.

If your claims are about one mile south of the mill the geology of their area would not be shown on the map; only the area north and west of the mill was mapped. The Forge Property is not shown on the map or mentioned in the text of the report.

If you are still interested in this report, it may be read in the library of the Mackay School of Mines, University of Nevada, Reno, Nevada.

Respectfully,

VERNON E. SCHEID, Director

Albert R. Glockzin

Albert R. Glockzin, Geologist

ARG:sc

400

DOCKET
Surname:
Rutledge
Neuchar
Attendorf

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

NOV 3 - 1954

Messrs. H. E. Ruckteschler,
Frank Wagner, and Ernest Cerini
P. O. Box 671
Winnemucca, Nevada

Re: Docket No. DMEA 3494-Tungsten
Forge property
Pershing County, Nevada

Gentlemen:

Reference is made to the above-docketed application for exploration assistance and to our letter of September 30, 1954, with regard to the additional information needed to process your application.

In the interest of expediting the Defense Minerals Exploration Program, it would be appreciated if you would provide us promptly with the requested information.

Sincerely yours,

W. S. Martin, Chief
Iron and Ferro-Alloys Division

cc: Docket
FT, Reg. 3
Code 400
Adm. Read. File
R. W. Geehan, USBM
Thor Kiilsgaard, USGS

FARutledge/ls
11/2/54

R.C.S.

DOCKET
SURNAME

Rutledge
Martin
Hoffman

400

SEP 3 0 1954

Messrs. H. E. Ruckteschler, Frank Wagner,
and Ernest Cerini
P. O. Box 671
Winnemucca, Nevada

Re: Docket No. DMEA 3494 - Tungsten
Forge property
Pershing County, Nevada

Gentlemen:

The above-referenced application for exploration assistance in exploring for tungsten has been reviewed by the Iron and Ferro-Alloys Division, Defense Minerals Exploration Administration.

The information submitted with your application is insufficient to justify a field examination by the Government. To substantiate the occurrence of tungsten on your property and permit us to consider your application further, you should provide us with the following data:

1. Description of the geologic features of the property, including mineralization, type of deposit, and your reasons for wishing to explore. Illustrate with maps or sketches. Include any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

2. Analyses of samples with sketch map showing location.

3. Description of the proposed work, including a map or sketch of the property showing a plan (and cross-sections if needed) of any present mine workings, and the location of the proposed exploration as related to such features as contacts, veins, and ore-bearing beds.

4. Owner's Consent to Lien.

We will, therefore, hold your application in abeyance until the requested data have been received.

FARutledge:foc
9-29-54

cc to: Docket
Code 400
Adm. Reading File
FT. REG. III
R. W. Geehan, USBM
Thor H. Kiilsgaard, USGS

Sincerely yours,

W. S. Martin, Chief
Iron and Ferro-Alloys Division

R.C.G.

IN REPLY REFER TO:

Dorbat

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

September 27, 1954.

Re: DMEA-3494
Forge Property
Central District
Pershing Co., Nev.
$23,600 - Tungsten

Memorandum

To: W. S. Martin
Defense Minerals Exploration Administration

WSM

From: E. L. Newcomb
U. S. Geological Survey

Subject: Review of application

The applicant requests assistance to drift 130 feet, cross-cut 60 feet, and sink two 100-foot shafts on the Gold Coin and Silver Dollar claims.

Previous exploration has consisted of several hundred feet of trenching and three tunnels ranging from 130 to 300 feet in length.

There is no record of any past production on these claims.

The application in its present form is inadequate for a fair appraisal of the merits of the proposed work.

Further information from the applicant should be obtained before a field referral is requested. Sample assays, or an assay map, and some kind of geologic map are needed to support the applicant's proposal.

The Mill City district is about 8 miles west of Mill City, and I suspect the operator's claims are in this area inasmuch as he states the claims are situated 7 miles west of Mill City. The Nevada Massachusetts Co., Inc. owned all the commercial deposits in this district in 1943, but the location of the applicant's claims with respect to their properties has not been determined.

I have noted that one of the partners, H. E. Ruckteschler, was involved in an earlier application, DMEA-2930, which was denied on the recommendation of the Field Team.

E. L. Newcomb

E. L. Newcomb

THIS AGREEMENT OF LEASE, OPTION TO PURCHASE, AND ESCROW, entered into this 1st day of February, A. D. 1954, between PHILIP FORGE, ERNEST CERINI and ZELMA CERINI, his wife, all of Lovelock, Pershing County, Nevada, and FRANK WAGNER and ELSIE WAGNER, his wife, of Winnemucca, Humboldt County, Nevada, hereinafter referred to as Lessors, and HENRY E. RUCHTESCHLER and HARRIETTA A. RUCKTESCHLER, his wife, and FRANK WAGNER and ELSIE WAGNER, his wife, all of Winnemucca, Humboldt County, Nevada, and ERNEST CERINI and ZELMA CERINI, his wife, all of Lovelock, Pershing County, Nevada, hereinafter referred to as Lessees.

W I T N E S S E T H:

That for and in consideration of Ten Dollars ($10.00), to them in hand paid by the Lessees, the receipt whereof is hereby acknowledged, and the further consideration of the rents, royalties, payments, covenants and agreements, on the part and behalf of the Lessees to be paid, kept, and performed, hereinafter reserved, mentioned, and contained, Lessors do, by these presents, let, lease and demise, and duly grant unto the Lessees the lease and option to purchase by quitclaim deed all those certain lode mining claims, unpatented, situated in the Central Mining District, County of Pershing, State of Nevada, and particularly described as follows:

> Luck Boy; Lucky Boy No. 1; Lucky Boy No. 2; Gold Coin; Gold Coin No. 1; Gold Coin No. 2; Silver Dollar; Silver Dollar No. 1; and, Silver Dollar No. 2, lode mining claims, all in one compact and contiguous group.
>
> Together with all the dips, spurs, and angles, and also all the metals, ores, rock and earth therein; and all rights, provisions, and franchises thereto incident and appertaining, or therewith usually had and enjoyed; and, also, all and singular the tenements, hereditaments and appurtenances

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ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

thereto belonging or in anywise appertaining, and the rents, issues and profits thereof.

The same being of recordin the office of the County Recorder of Pershing County, at Leveleck, Nevada, and reference is hereby made to said records for greater certainty of description.

TO HAVE AND TO HOLD unto the said Lessees, for the purpose of mining, all of the above described lode mining claims, under and pursuant to the conditions, covenants and agreements as hereinafter outlined.

IT IS FURTHER UNDERSTOOD AND AGREED, that the Lessees shall and may enter into the possession of the above described lode mining claims and property and every part thereof immediately on the execution of this agreement by the parties hereto, and may prospect, develop, and mine said mining claims in such manner as they may deem best, subject at all times, however, to the rules and regulations of the State Mine Inspector of the State of Nevada.

The Lessors agree, that subject to the royalties and payments hereinafter mentioned and provided for, the Lessees, their employees and representatives, may extract any and all ores found in said mining claims and may ship, sell, smelt, mill or treat any or all of said ores.

That for and in consideration of this lease and option to purchase, the Lessees agree and covenant to and with the Lessors as follows:

1. The rental payments and royalties, to be made by Lessees to Lessors for the lease and purchase of the premises above described, and the total purchase price to be paid for said premises, shall be as follows:

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PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

Total purchase price--$300,000.00

Lessees shall have to and including the 1st day of May to exercise their option to purchase said lode mining claims for the total purchase price as above set out. One thousand dollars ($1,000.00) shall be due and payable on or before May 1, 1954.

If Lessees exercise their option to purchase said lode mining claims by the payment of $1,000.00 as in the next preceding paragraph outlined, the further sum of $1,000.00 shall be due and payable to Lessors on or before June 1, 1954, and the further sum of $1,000.00 shall be due and payable on or before the 1st day of July, 1954.

The balance of the purchase price shall be paid from royalties, The Lessors shall receive from the Lessees ten per cent (10%) of the Gross receipts from all ores or concentrates sold and shipped from the property, said royalties to be computed upon the basis of mill returns or assay returns, depending upon the mode of handling, without deduction for custom mill or smelter charges, umpire, assaying, sampling charges, or freight or haulage charges.

As hereinabove provided, Lessees may enter into possession of the above described lode mining claims and may prospect, develop, and mine said claims subject to the obligation to pay said Lessors on the basis of ten per cent (10%) Gross royalty charges. Any royalties paid to said Lessors during the ninety (90) days next following the execution of this agreement shall not in any way effect the obligation to pay the payments as hereinabove set out.

Any royalty payments made by said Lessees to said Lessors shall be divided in the following manner, to-wit: Fifty per cent (50%) to PHILIP FORGE, twenty-five per cent (25%) to ERNEST CERINI, and twenty-five per cent (25%) to FRANK WAGNER.

Duplicate copies of mill or assay returns shall be delivered to Lessor, FRANK WAGNER, and Lessee, HENRY E. RUCHTESCHLER.

After the payment of the Three Thousand Dollars ($3,000.00) as hereinabove provided by Lessees to Lessors, all royalties paid by Lessees to Lessors under the above schedule shall be

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WINNEMUCCA, NEVADA

applied as a credit to the total purchase price, and in the event of default or forfeiture by Lessees, all monies shall be retained by Lessors as liquidated damages and rental.

2. Lessors hereby give and grant unto Lessees the sole, exclusive, and irrevocable right and option to purchase and acquire the whole of said mining property above described, upon the Lessees' fulfilling all of the obligations, agreements, and covenants, and in the manner herein provided for.

3. Lessees shall be sole judges as to the methods of mining and milling, and what constitutes ores, when and if ore is extracted or milled , and other phases of operating the property, subject to the condition that all operations shall be conducted in conformity to good workmanship and miner-like methods, and in compliance to the laws and regulations of the United States and the State of Nevada, and subject to the Lessors' right to enter upon the property at all reasonable times to inspect and examine the operations.

4. Lessees agree to accept and comply with the laws of the State of Nevada and of the United States, for the protection of employees against injury and disease, and shall save Lessors harmless from any claims arising therefrom.

5. Lessees agree to save Lessors harmless from any liability whatsoever for property damage or personal injury, arising on the premises or from the operation of the mine, on or off the premises, due to an act of the Lessees.

6. Lessees further agree to save Lessors harmless from all liens which may be placed upon the premises through unpaid labor or material, or for any manner of obligation contracted by Lessees in the operation of this lease.

7. Lessees agree to perform at least a minimum of sixty (60)

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ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

shifts per month upon subject mining claims for and to satisfy the annual assessment requirement on each and every claim for each year during the life of this agreement. The work shall be done prior to June 30th of each year, and upon completion, Lessees shall notify Lessors promptly so that proofs of labor may be filed.

8. All payments made by Lessees to Lessors under the terms and conditions of this lease and option to purchase shall be made directly to the Lessors as hereinabove provided. Lessors and Lessees agree to execute a quitclaim deed which shall be deposited with the firm of LEIGHTON & MATHEWS, together with necessary releases and disclaimers which shall be held by said firm until which time as the full purchase price has been paid, at which time said firm is instructed to deliver all such papers to the Lessees. In the event of default, by Lessees under the terms of this agreement, said escrow holder is instructed upon proper notice and proof of forfeiture together with the necessary releases and disclaimers, to terminate said escrow.

9. It is expecially agreed by the Lessees, or their assigns, that upon failure to pay any rents, royalties, or other sums of money hereby reserved to the Lessors, or upon violation of any of the conditions, covenants, and agreements, hereinabove set forth, this lease and option to purchase, at the option of the Lessors, shall expire, and the said premises and all improvements hereinabove specified and the appurtenances thereto appertaining, shall be forfeited to the Lessors, provided that before any such forfeiture, the Lessors shall in writing, deposit in the United States Post Office, with postage prepaid thereon, and addressed to HENRY E. RUCHTESCHLER, Winnemucca,

Nevada, or to any address of any person, corporation or partnership to which this lease may be assigned, a notice, setting forth wherein this lease and option has been violated. Upon receiving said notice, the said Lessees, or their assigns, shall have thirty (30) days in which to rectify any violation thereof, and in case such violation is not so rectified within thirty (30) days, the Lessors may enter into said premises, with or without process of law, or may repossess all or any part thereof.

10. This agreement is a lease and option only, with instructions to the escrow holder, and the Lessees shall have the right to surrender this contract and to discontinue all work and payments hereunder, at any time, without liability to Lessors for the unexpired term, but shall be liable for the restoration of the premises to as good condition as it now is and for all accrued rental, royalties, or payments.

11. Upon the termination of this lease and option, without exercise of the option by the Lessees, the Lessees shall have sixty (60) days in which to remove any and all machinery, equipment, buildings, track, tools and supplies placed thereon by Lessees, which are not owned by Lessors, and failing to remove within the said sixty (60) days, all of the said property shall become the property of the Lessors.

12. This agreement may be assigned by Lessees. This agreement shall be binding upon the heirs, assigns, administrators, and executors of the respective parties.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands, the day and year first above written.

LESSORS

Philip Forge

PHILIP FORGE

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

Ernest Cerini
ERNEST CERINI

Zelma Cerini
ZELMA CERINI

Frank Wagner
FRANK WAGNER

Elsie Wagner
ELSIE WAGNER

LESSEES

Henry E. Ruckteschler
HENRY E. RUCHTESCHLER

Harrietta A. Ruckteschler
HARRIETTA A. RUCKTESCHLER

Frank Wagner
FRANK WAGNER

Elsie Wagner
ELSIE WAGNER

Ernest Cerini
ERNEST CERINI

Zelma Cerini
ZELMA CERINI

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

STATE OF NEVADA, }
COUNTY OF ~~PERSHING~~ Humboldt.) SS.

On this 3 day of February, A. D. 1954, personally appeared before me, a Notary Public in and for said County and State, FRANK WAGNER and ELSIE WAGNER, his wife, and HENRY E. RUCHTESCHLER and HARRIETTA A. RUCKTESCHLER, his wife, known to me to be the persons described in and who executed the foregoing instrument; who acknowledged to me, each for himself and herself, that they executed the same freely and voluntarily, and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in said County and State, the day and year in this certificate first above written.

Geo D Hoselius
Notary Public in and for Said
County and State

My Commission Expires:
My Commission expires September 27, 1957

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STATE OF NEVADA, }
COUNTY OF Pershing. } SS.

On this 2nd day of February, A. D. 1954, personally appeared before me, a Notary Public in and for said County and State, PHILIP FORGE, known to me to be the person described in and who executed the foregoing instrument; who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal, at my Office in said County and State, the day and year in this certificate first above written.

Mary Helen Marcucci
Notary Public in and for said
County and State.

My Commission Expires:
March 19, 1954

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

STATE OF NEVADA, }
COUNTY OF Pershing. } ss.

ON this 2nd day of February, A. D. 1954, personally appeared before me, a Notary Public in and for said County and State, ERNEST CERINI and ZELMA CERINI, his wife, known to me to be persons described in and who executed the foregoing instrument; who acknowledged to me, each for himself and herself, that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

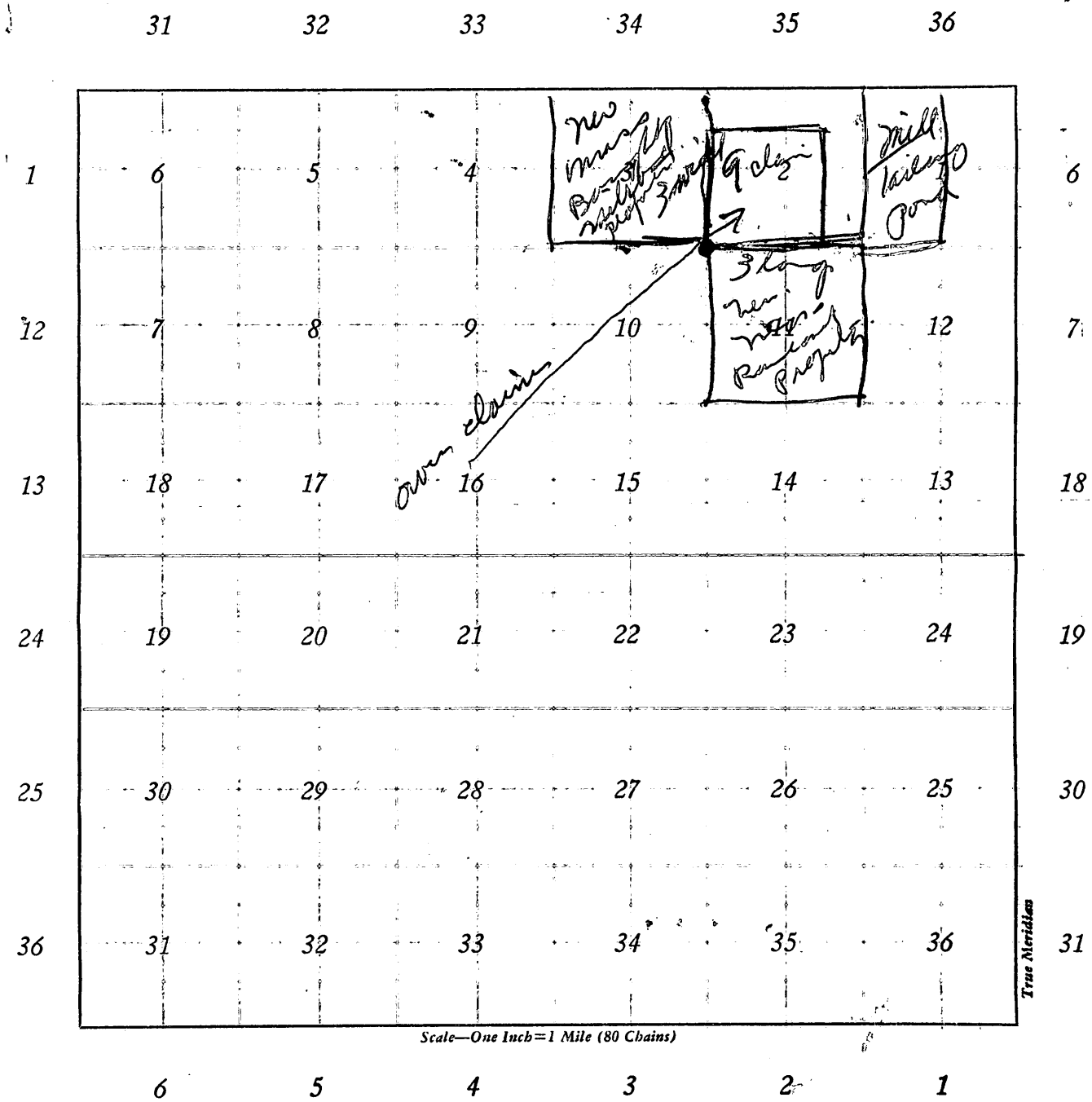
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, at my office in said County and State, the day and year in this certificate first above written.

Mary Helen Marcucci
Notary Public in and for said County and State.

My Commission Expires:
March 19, 1954

LEIGHTON & MATHEWS
ATTORNEYS AT LAW
PROFESSIONAL BUILDING
WINNEMUCCA, NEVADA

Township *Range* *Meridian*

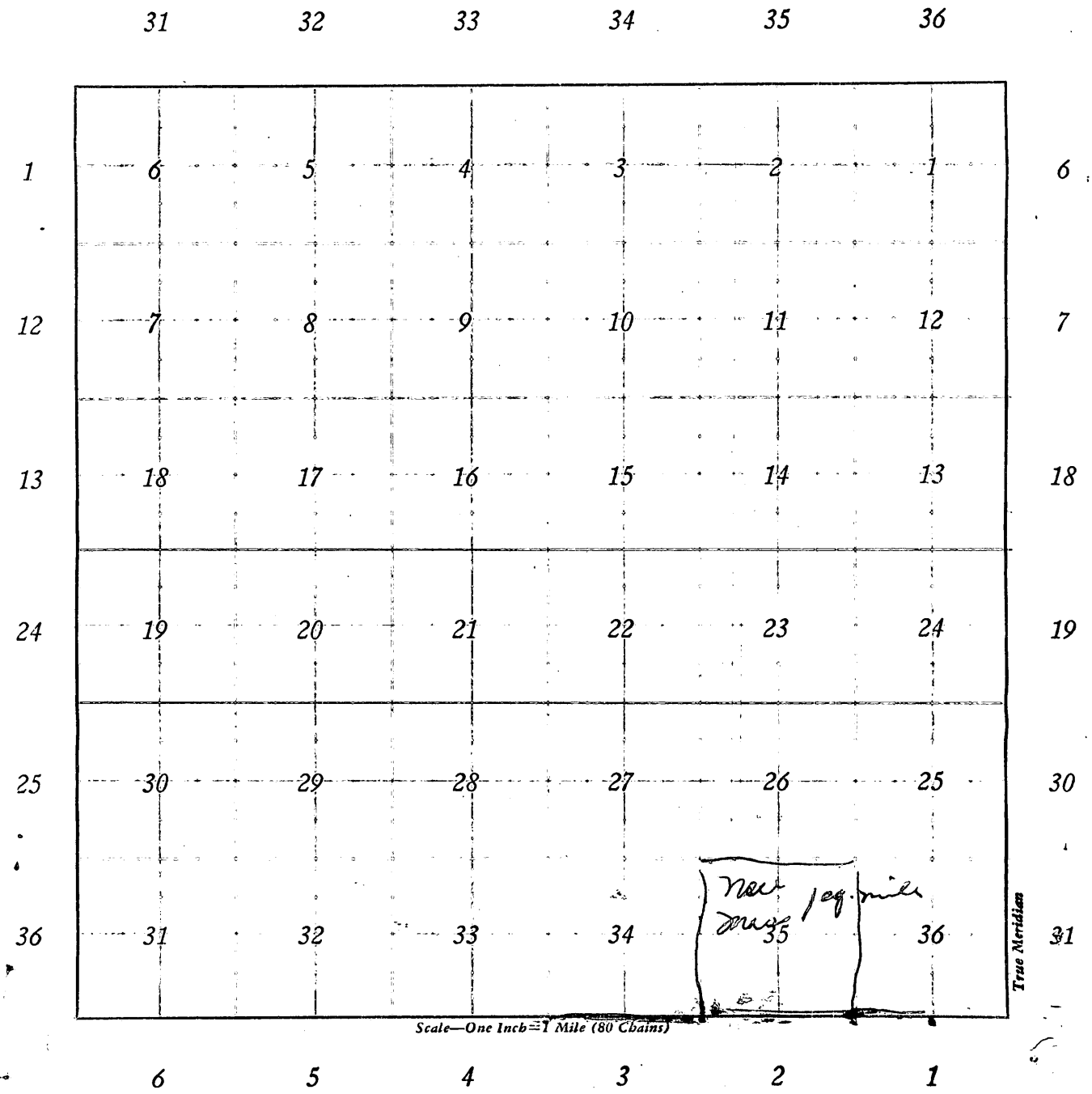


Scale—One Inch=1 Mile (80 Chains)

Remarks:

18
55
16
37
3
41
35
25
35
45
10

Township *Range* *Meridian*

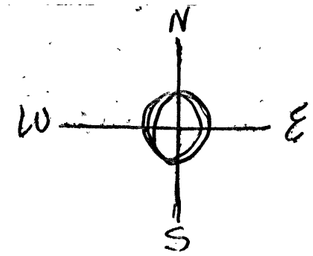


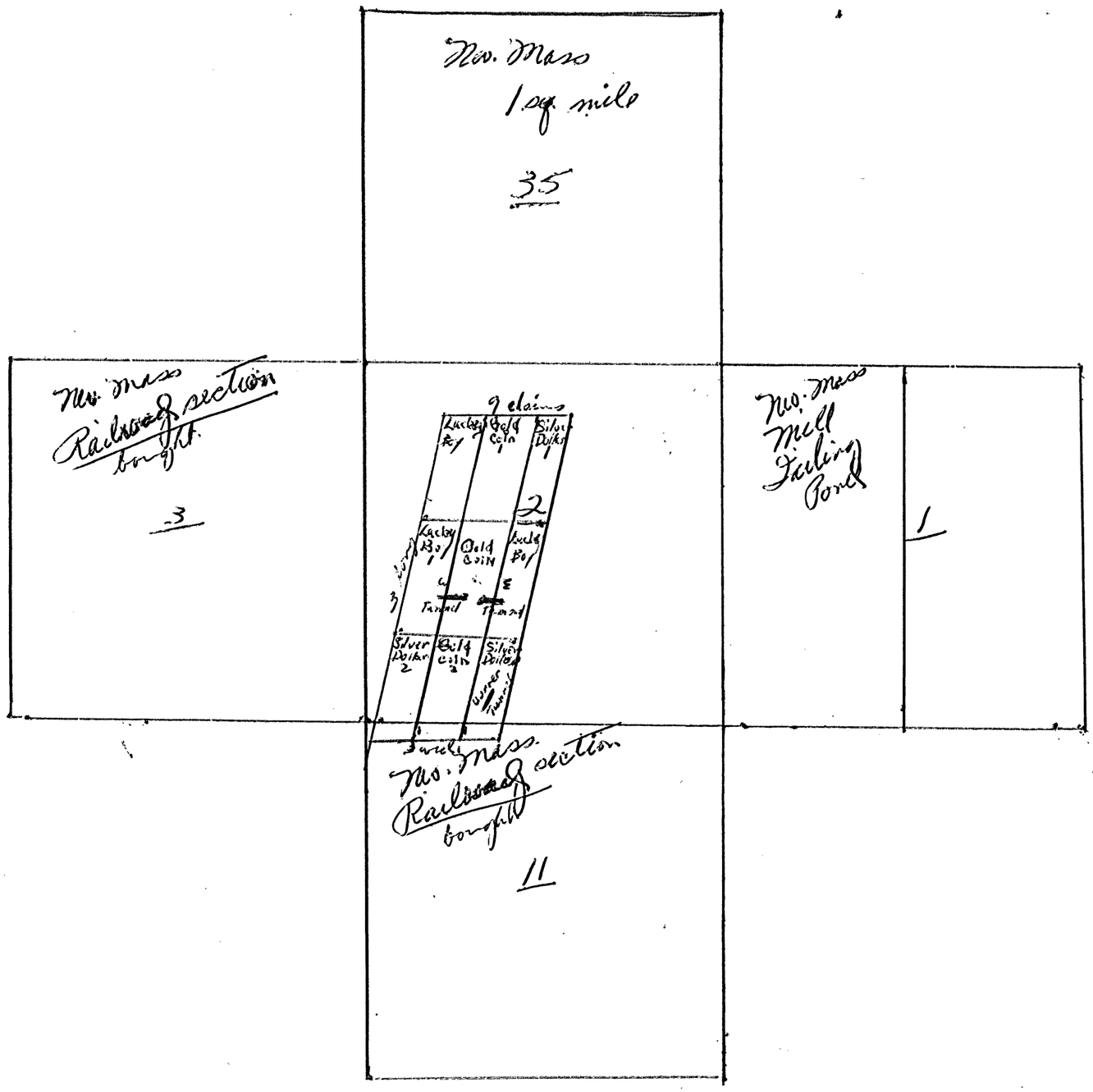
Remarks:

Mr. W. R. Griswold, DMEA

Room 4060

Claim lies in Section 2., T. 33 N., R. 34 N. E



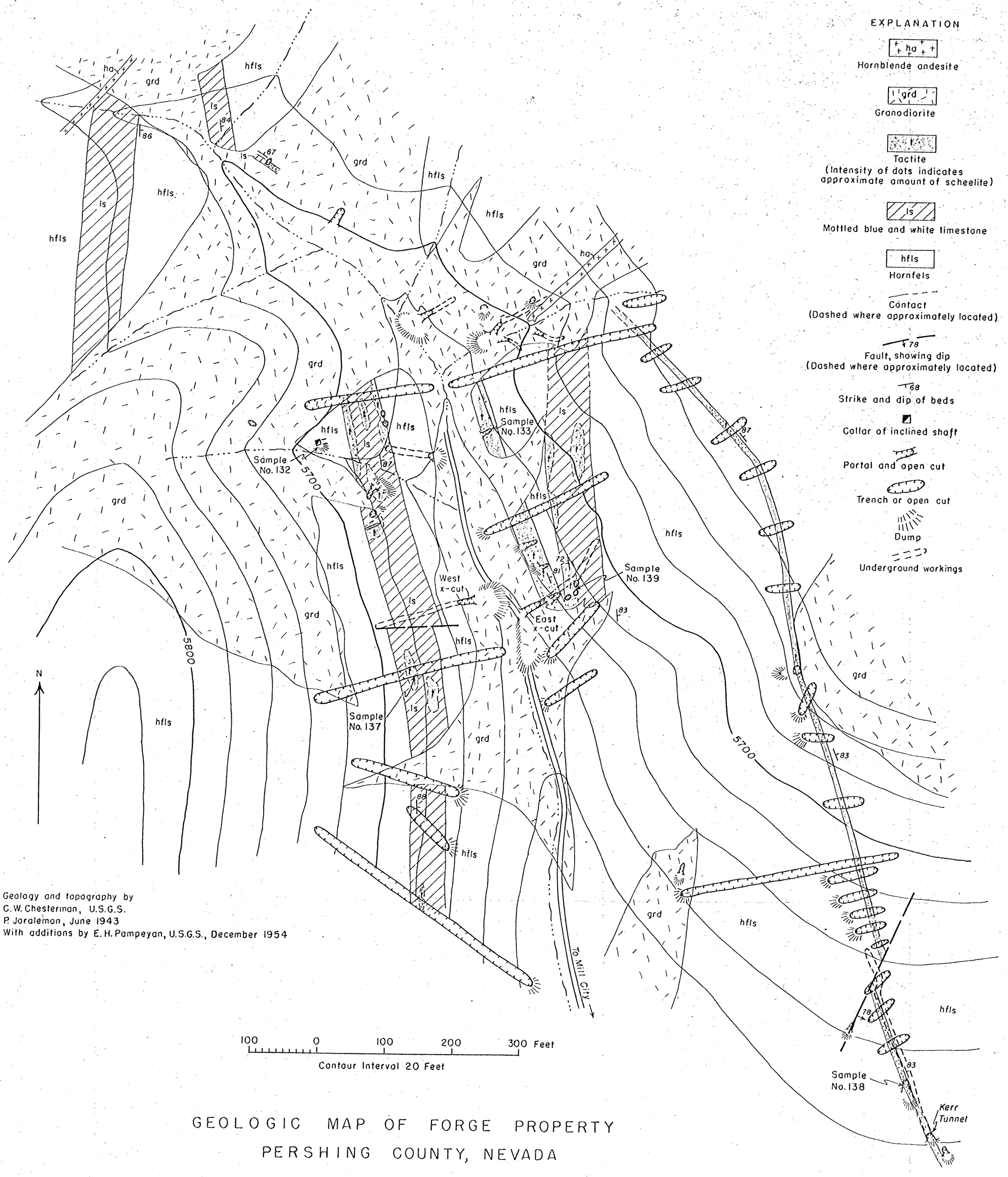


3 in for 1 sq. mile
Curver Tunnel 300 ft. N.S.
West Tunnel 130 ft. E. & W.
East Tunnel 150 ft. E. & W.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR
FEB 14 1955

DMEA 3494
(TUNGSTEN)

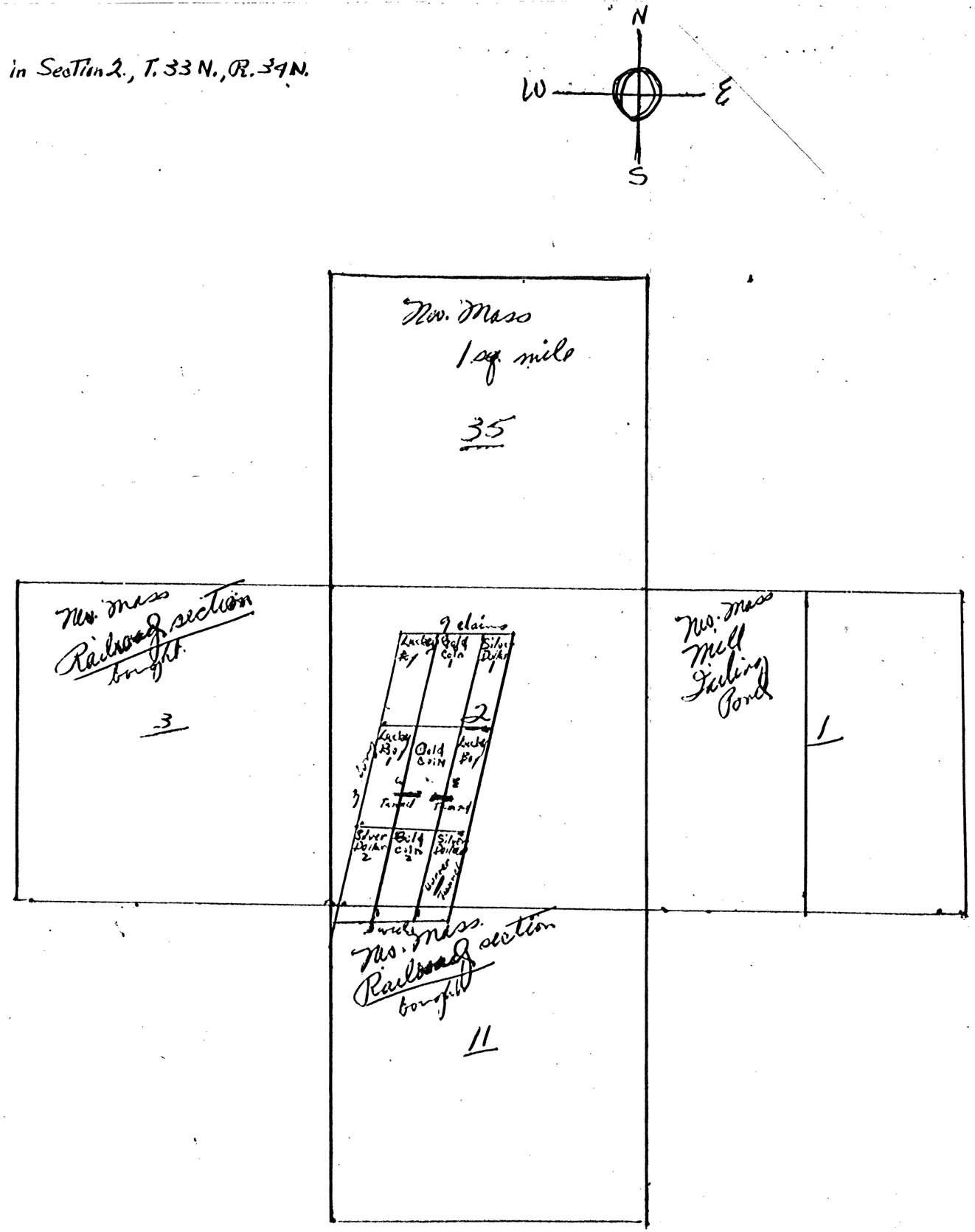


Geology and topography by
C. W. Chesterman, U.S.G.S.
P. Joralemon, June 1943
With additions by E. H. Pampeyan, U.S.G.S., December 1954

GEOLOGIC MAP OF FORGE PROPERTY
PERSHING COUNTY, NEVADA

FIGURE 2

Claim lies in Section 2., T. 33 N., R. 34 N.



3 in for 1 sq. mile
Curver Tunnel 300 ft. N.S.
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