MT. WHEELER MINES, INC.

P. O. BOX 150

SALT LAKE CITY 10, UTAH

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 29 1953

October 27, 1953

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
United States Department of the Interior
Washington 25, D.C.

Re: Docket DMEA-2082 (Tungsten)
Mt. Wheeler Mines, Inc.
White Pine County, Nevada
Contract Idm-E 248 (Amended)
Request for Amendment

Dear Mr. Mittendorf:

We estimate that all exploration footage provided under Phases "A" and "B" of the above captioned contract will be completed during the latter part of November, 1953. In order that the exploration program may continue without interruption, thereby making the fullest utilization of the presently installed equipment and our experienced crew, we are submitting five copies of a requested amendment to Contract Idm-E 248 (previously amended May 11, 1953), to provide for additional exploration footage at the Mt. Wheeler Mine. We have forwarded copies of this application to Messrs. Miller and Bailey, DMEA Field Team, Region III, at San Francisco, Mr. A. C. Johnson, Chief, Mining Division, Region III, Reno, and Mr. Roscoe Smith, Geological Survey, Salt Lake City, for field study.

The exploration completed within the ore zones of the productive Wheeler limestone bedding has exposed a substantial tonnage of essentially 1% tungsten ore and it is upon this demonstrated commercial scheelite mineralization that we base the present request. You will undoubtedly recall that we requested the extension of the Pole Adit Easterly to the Sheffield fissure zone in our application for the May 11, 1953, amendment, but that it was deferred pending more complete proof that the ore zones do in fact continue Easterly. Since this condition has now been firmly established, we feel that our request for this amendment conforms to our prior understanding with the Tungsten Branch.

Thank you for your kind consideration in this matter.

Sincerely yours,

MT. WHEELER MINES, INC.
By James D. Williams
President

JDW-K
Enc. (5)

I <u>Description of the Work</u> (See Map Attached)

<u>A</u> Pole Adit Drive Easterly

1. Extend the Pole Adit 1200 feet Easterly (approximately S 80° E to E), driving as far as possible within the Wheeler limestone bedding and then turning Southerly to follow just under the lime-shale contact as heretofore, to cut the Sheffield fissure and accompanying North trending shear zone.

2. Drive six short laterals Northerly approximately 200 feet apart and within the strongest N-S trending shear zones cut by the adit advance. Drive short raises where necessary to enter the ore zone. Lateral and raise footage not to exceed 600 feet.

<u>B</u> Easterly Drive at North Zone

1. Drive a drift Easterly 500 feet within the Wheeler bed ore zone to explore this important ore exposure.

2. Drive three short laterals North and South at appropriate intervals to determine the width of the ore zone. Drive three short raises to determine thickness of ore zone. Lateral and raise footage not to exceed 200 feet.

II Estimated Cost of the Project

Agreed Unit Costs

Time Schedule 12 months

STAGE III

1200	Feet of Pole Adit Easterly	@ $40/Ft.	$48,000.00	
600	Feet of Pole Adit Laterals	40/Ft.	24,000.00	
500	Feet of North zone drift	40/Ft.	20,000.00	
200	Feet of North zone laterals	40/Ft.	8,000.00	
240	Feet of Timbering as required	15/Ft.	3,600.00	
			$103,600.00	$103,600.00

Operating Equipment to be Purchased

1	315 Cu. Ft. Diesel Compressor, Joy Model WK-80 Skid Mounted	$ 8,514.00	
1	4' x 8" Welded Air Receiver	600.00	
		$ 9,114.00	9,114.00

Miscellaneous

Assaying	300.00
Total Estimated Cost of Project	$113,014.00

KAROLTON KLASP—9 x 12
MADE BY
THE AMERICAN ENVELOPE CO.
WEST CARROLLTON, OHIO

EXPLORATION OF PRODUCTIVE ZONES SOUTH OF POLE TUNNEL TO BE DEFERRED UNTIL NORTH DRILL IS COMPLETED.
INFERRED NORTH SHEAR ZONE BASED ON TOPOGRAPHY, CANYON STRUCTURE, PROPERTY AND ABOVEGROUND SIGNS OF FAULT
APPROXIMATE LOCATION POLE TUNNEL
LAT. 38°24' 10" LONG. 112°31' 00"
SEC. 13 T.29 S. R.4 E. M.D.B.&M.
WHITE PINE COUNTY, NEVADA.
POLE ADIT DRIVE EAST 1200 FT
LOCATION OF TUNNEL SEE FT. 70 IN EXCELL DATA FROM SEC 13 DRIVEN AS MODIFIED FROM ADIT ADVANCE
NOTE:
SHEFFIELD PROJECT AREA CONSISTS OF THE VERY PRESENT WHITE FISSURES OVER AN EAST-WEST 10 TRACE OF SOFT WHITE MATERIAL. DOUBLE TRENCHING PRECEDES THE TUNNEL DRIVE.
PROPERTY BOUNDARY OF SHEFFIELD PROJECT
ST LAWRENCE LIMESTONE
PIOCHE SHALE
EPO TUNNEL PROJECT VIEW
NORTH ZONE DRIVE EAST 500FT
150 M INTERVALS - SOFT ROOFS
OF HYDROPOR FROM DRAINAGE
NORTH FISSURE - 8' WIDE - QUARTZ FILLED
NORTH-SOUTH SHEARING CLEARLY DISCERNABLE
IN SUBSURFACE CLIFFS IN NORTH POLE CANYON
PLAN OF POLE TUNNEL-TUNGSTEN RIDGE AREA
SHOWING POLE ADIT, TUNNEL CUTS, WORK AREA
AND EXPOSED FAULTS AND LINEAMENTS
BASAL QUARTZITE
PROSPECT MOUNTAIN
ELEVATION - LOOKING EAST
SHOWING EXPOSED WHEELER PRODUCTIVE
ZONE BELOW 1,150 & W SHEAR ZONES
COLUMN SHOWING
MEASURED CAMBRIAN SECTION
POLE CANYON AREA
LINCOLN
UPPER ST LAWRENCE
LOWER ST LAWRENCE
PIOCHE SHALE
WHEELER BED 22'
BASAL QUARTZITE
MIDDLE
LOWER
SCALE 1" = 200'
Scale of Feet
100 0 100 200 300 500
REVISIONS
REFERENCES
PROPOSED WORK STAGE II
EXHIBIT "A"
WORK
DRAWN
TRACED
CHECKED
APPROVED
12/10/52
NT. WHEELER MINES, INC.
P.O. BOX 150
SALT LAKE CITY 10, UTAH.
COMPOSITE MAP SHOWING:
1. Exploration Completed DMEA-2082; Idm-5248
2. Phase III Extension Pole Adit to Sheffield Fissure
and Adit drive at North OB Zone
SCALE
D-100-9
SALT LAKE BLUE