REVISED APPLICATION

FOR AID FOR AN EXPLORATION PROJECT

Pursuant to

MINERAL ORDER NO. 5 UNDER

DEFENSE PRODUCTION ACT OF 1950

ORIGINAL APPLICATION SUBMITTED

November 24, 1950

DOCKET NO. ASSIGNED - DMA-89

AMENDED APPLICATION SUBMITTED

May 23, 1951

DOCKET NO. ASSIGNED - DMA 2082 - TUNGSTEN

Submitted By

MT. WHEELER MINES, INC.
218 Felt Building
Salt Lake City 1, Utah

Applicant

September 26, 1951

MT. WHEELER MINES, INC.

P. O. BOX 150

SALT LAKE CITY 10, UTAH

September 26, 1951

Mr. George B. Holderer
Chief, Tungsten Branch
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Re: Mt. Wheeler Mines, Inc.
DMA-2082 - Tungsten
Revised Project

Dear Mr. Holderer:

We are in receipt of your airmail letter of September 20th, regarding the above captioned subject and are agreeable to the revision suggested by you. Attached hereto are six copies of the exhibits setting forth the revised cost figures and other pertinent data consistent with the suggested project.

In making these revisions consideration had to be given to certain factors, such as increases in wage rates and cost of supplies, additional technical staff, (1 geologist) and purchase and rental of equipment; all of which increase the cost of the project somewhat beyond the suggested figure. I am certain that you will appreciate our problem in these matters. Also, since the amended application of May 23, 1951, we have constructed 4.6 miles of adequate road from the mouth of Pole Canyon to the portal of the Pole Tunnel, have graded an adequate camp site for five buildings and are now ready to pour the concrete walls and foundations. We should very much appreciate any consideration which you may properly give us in these matters.

To date we have expended $34,931.99 of our own funds on the Pole Canyon operations. Adequate funds are immediately available to cover our matching proportion of the revised project as herein submitted.

Thank you for your kind consideration in this matter.

Very truly yours,

MT. WHEELER MINES, INC.
By

James D. Williams

James D. Williams, President

II THE EXPLORATION

20. Proposed project will explore for tungsten (Scheelite).

21. The proposed work will consist of the following: (Please see Exhibit "A" hereto attached)

(a) The Work

1. Moving and installing equipment, preparing waste dump and other miscellaneous preliminary work.

2. Geologic mapping and surface trenching of area to be explored by Pole Tunnel. This work to be done concurrently with underground exploration but in advance of heading.

3. Extend Pole Tunnel an additional distance of 1,000 feet on a S. 80° E. course to explore favorable Wheeler bed.

4. Drive six crosscuts on strongest N-S cross fractures plus 20 feet of drifting E-W along shear zone intersections, if justified, for a total of 350 feet.

5. Drive six raises on strongest N-S cross fractures to explore full thickness of favorable Wheeler bed, if justified, for a total of 150 feet.

(b) Estimated Time

1.	Preliminary preparation	1/2	Month
2.	Geologic mapping and surface trenching. (Concurrent with tunnel drive)	-	
3.	Advance Pole Tunnel 1,000 feet	4	Months
4.	350 ft. laterals and drifts (additional)	1 1/2	"
5.	150 ft. raises (additional)	1	Month
	TOTAL ESTIMATED TIME	7	Months

III THE REQUIREMENTS AND COST

23. Itemized statement of costs

(a) Labor

(1) Day's Wages

1 Blacksmith	@ $13.20	$ 2,602.60	
1 Outside & compressor	13.20	2,602.60	
2 Men		$ 5,205.20	

(2) Footage contract labor

(a) 1,000 ft. tunnel	@ $12.00/Ft.	12,000.00	
(b) 350 ft. laterals	10.00	3,500.00	
(c) 150 ft. raises	15.00	2,250.00	
		$17,750.00	
TOTAL LABOR			$22,955.20

(b) Supervision, engineering and geology

1 Superintendent-Engr.	@ $500.00/Mo.	$ 3,500.00	
1 ~~Engineer~~ Foreman	400.00/Mo.	2,800.00	
1 Geologist	400.00/Mo.	2,800.00	
		$ 9,100.00	$ 9,100.00

(c) None

(d) Cost of additional facilities (See item (g) below)

1. Buildings (completely equipped)

(a) Camp facilities as follows:		
1 Messhall	$ 7,500.00	
2-6 man bunk houses	10,000.00	
(b) Combination shop, warehouse and compressor house at tunnel site	1,750.00	
	$19,250.00	$19,250.00

(e) Cost of new equipment

1. 1100 gals. fuel storage tank	$ 500.00	
2. 2-3" drifters and accessories	1,750.00	
3. Ventilating equipment	1,250.00	
4. Miscellaneous tools, etc.	500.00	
	$ 4,000.00	$ 4,000.00

(f) Cost of equipment to be rented

1. Bulldozer for surface trenching	$ 1,920.00
2. 315 cu. ft. diesel compressor @ $470.00/month - 7 months	3,290.00
3. 6 - 21 cu. ft. ore cars @ $25.00/month - 7 months	1,050.00

4. 12-B Eimco mucking machine @ $295.00/month - 6 months	$ 1,770.00	
5. 15 KW diesel generator @ $250.00/month - 7 months	1,750.00	
6. 4 wheel drive Willys "Jeep" station wagon for engineering and geological crews - new @ $100.00/month - 7 months	700.00	
	$10,480.00	$10,480.00

(g) None

Note: In lieu of item (d) above, which applicant is now constructing with own funds, a fair rental on same would be @ $350.00/month $2,450.00

(h) Cost of materials and supplies

1. Powder, fuse and caps	$ 3,000.00	
2. Steel and bits	1,375.00	
3. Pipe and track	3,340.00	
4. Blower line and lights	950.00	
5. Air generation - fuel, etc.	3,200.00	
6. Mine timber	1,500.00	
7. Miscellaneous small tools, etc.	500.00	
	$13,865.00	$13,865.00

(i) Other costs

1. Compensation insurance and payroll taxes	$ 3,150.00	
2. Miscellaneous expense - office, transportation of supplies, assaying, travel, etc.	2,000.00	
3. Keeping mine road open during winter, if necessary	1,200.00	
	$ 6,350.00	$ 6,350.00

TOTAL ESTIMATED COST

(a) Including item (d) but not item (g) $86,000.00

(b) Excluding item (d) but including item (g) $69,200.00

MT. WHEELER MINES, INC.

EXHIBIT "A"

MAPS SHOWING PROPOSED EXPLORATION

DMA - 2082 - TUNGSTEN

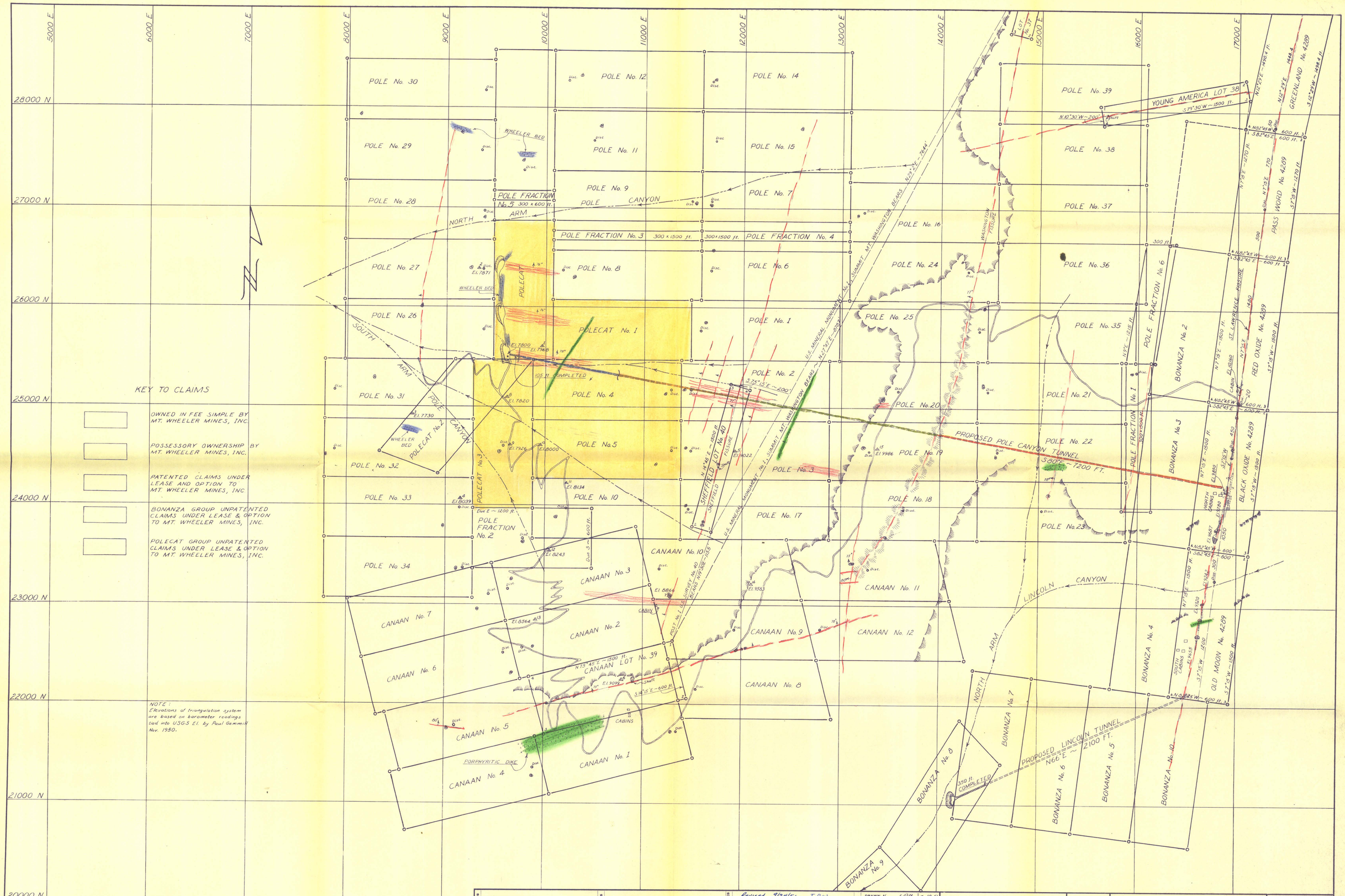
KAROLTON KLASP—8¾ X 11¼
"MADE IN U. S. A."
THE AMERICAN ENVELOPE CO.
WEST CARROLLTON, OHIO

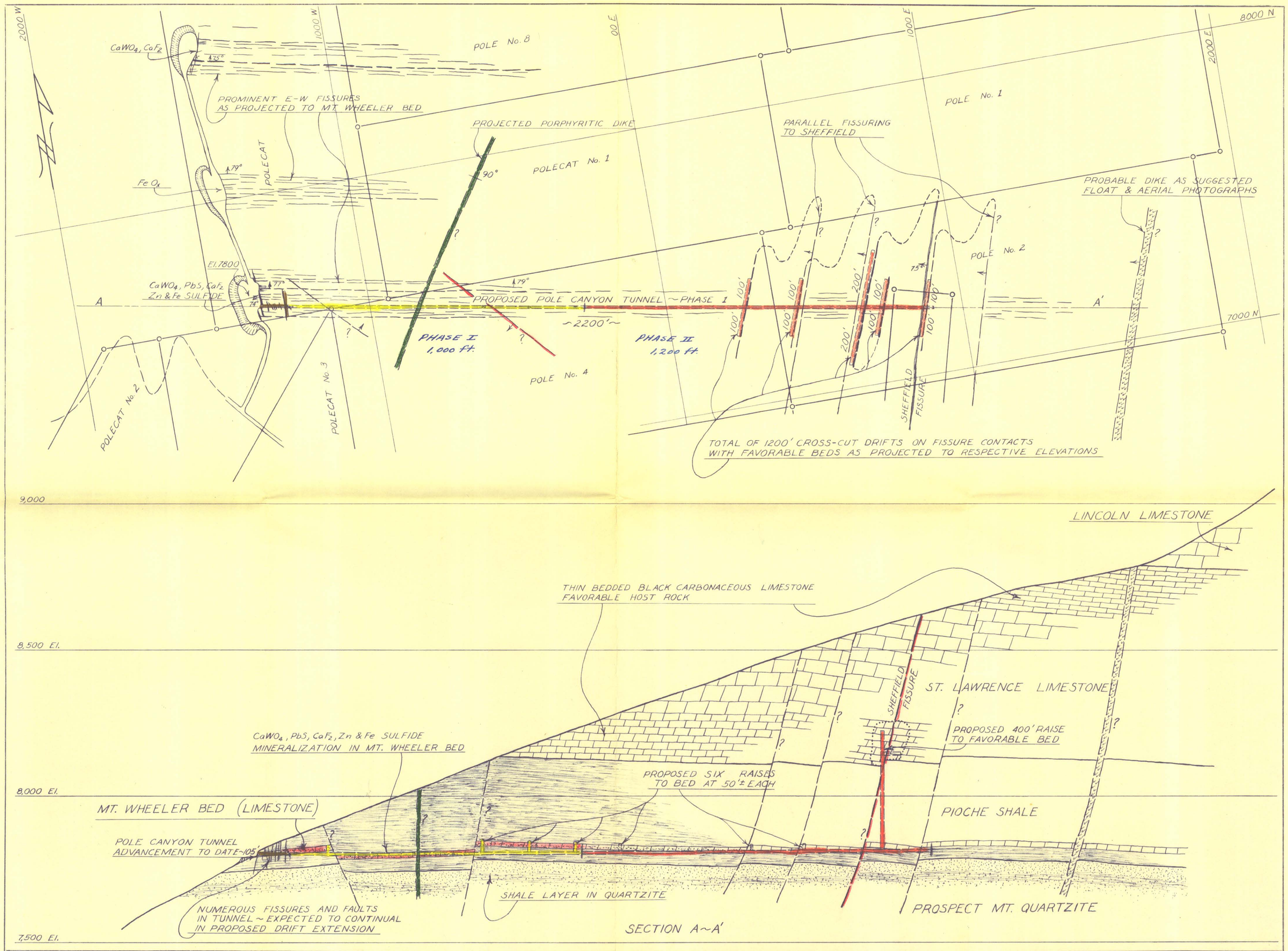
MT. WHEELER MINES, INC.

CLAIMS DEVOTED TO
PROJECT

DMA - 2082 - TUNGSTEN

CARROLTON KLASP—8¾ X 11¼
"MADE IN U. S. A."
THE AMERICAN ENVELOPE CO.
WEST CARROLLTON, OHIO


5000 E
6000 E
7000 E
8000 E
9000 E
10000 E
11000 E
12000 E
13000 E
14000 E
15000 E
16000 E
17000 E
28000 N
27000 N
26000 N
25000 N
24000 N
23000 N
22000 N
21000 N
20000 N
N
KEY TO CLAIMS
OWNED IN FEE SIMPLE BY MT. WHEELER MINES, INC.
POSSESSORY OWNERSHIP BY MT. WHEELER MINES, INC.
PATENTED CLAIMS UNDER LEASE AND OPTION TO MT. WHEELER MINES, INC
BONANZA GROUP UNPATENTED CLAIMS UNDER LEASE & OPTION TO MT. WHEELER MINES, INC.
POLECAT GROUP UNPATENTED CLAIMS UNDER LEASE & OPTION TO MT. WHEELER MINES, INC.
NOTE: Elevations of triangulation system are based on barometer readings tied into USGS El. by Paul Gemmill Nov. 1950.
POLE No. 30
POLE No. 12
POLE No. 14
POLE No. 39
POLE No. 29
POLE No. 11
POLE No. 15
POLE No. 38
POLE No. 28
POLE No. 9
POLE No. 7
POLE No. 37
POLE No. 27
POLE No. 8
POLE No. 6
POLE No. 16
POLE No. 24
POLE No. 36
POLE No. 26
POLE No. 1
POLE No. 25
POLE No. 35
POLE No. 31
POLE No. 4
POLE No. 2
POLE No. 20
POLE No. 21
POLE No. 32
POLE No. 5
POLE No. 19
POLE No. 22
POLE No. 3
POLE No. 33
POLE No. 10
POLE No. 18
POLE No. 17
POLE No. 23
POLE No. 34
CANAAN No. 10
CANAAN No. 3
CANAAN No. 11
CANAAN No. 7
CANAAN No. 2
CANAAN No. 9
CANAAN No. 12
CANAAN No. 6
CANAAN No. 8
CANAAN No. 5
CANAAN No. 1
CANAAN No. 4
POLE FRACTION No. 5 300 x 600 ft.
POLE FRACTION No. 3 300 x 1500 ft.
POLE FRACTION No. 4 300 x 1500 ft.
POLE FRACTION No. 2
POLE FRACTION No. 1
POLE FRACTION No. 6
POLE CANYON
NORTH ARM
SOUTH ARM
POLECAT
POLECAT No. 1
POLECAT No. 2
POLECAT No. 3
WHEELER BED
105 ft. COMPLETED
PROPOSED POLE CANYON TUNNEL S80°E ~ 7200 FT.
SHEFFIELD LOT No. 40
U.S. MINERAL MONUMENT No. 1 SUMMIT MT. WASHINGTON BEARS N.7°14'E ~ 8125'
U.S. MINERAL MONUMENT No. 2 SUMMIT MT. WASHINGTON BEARS N.29°2'E ~ 7644'
WASHINGTON PASSAGE
YOUNG AMERICA LOT 38
S.79°30'W ~ 1500 ft.
N.10°30'W ~ 200'
GREENLAND No. 4289
PASS WORD No. 4289
RED OXIDE No. 4289
BLACK OXIDE No. 4289
OLD MOON No. 4289
ST. LAWRENCE FISSURE
BONANZA No. 2
BONANZA No. 3
BONANZA No. 4
BONANZA No. 5
BONANZA No. 6
BONANZA No. 7
BONANZA No. 8
BONANZA No. 9
BONANZA No. 10
LINCOLN CANYON
NORTH ARM
PROPOSED LINCOLN TUNNEL N66°E ~ 2100 FT.
350 ft. COMPLETED
CANAAN LOT No. 39
N.73°42'E ~ 1500 ft.
S.14°15'E ~ 600 ft.
POST No. 1 U.S. SURVEY No. 40 BEARS N.70°30'E ~ 1135
PORPHYRITIC DIKE
CABINS
SOUTH CABINS
NORTH CABINS
REVISIONS
Claims Devoted to Project DMA. - 2082 - TUNGSTEN.
REFERENCES
Revised 9/24/51 J.D.W.
WORK
DRAWN Harry S. Gillen 7-10-51
TRACED
CHECKED 7/10/51
APPROVED
MT. WHEELER MINES INC.
218 FELT BUILDING
SALT LAKE, UTAH
POLE CANYON DEVELOPMENT
TUNGSTEN PROJECT
SCALE 1" = 400'
D-100-2
PEMBROKE CO. · Z166 PHOENIX



REVISIONS	REFERENCES	WORK			
	D.M.A. - 2082 - TUNGSTEN.	DRAWN Harry S. Bell	5/9/51	MT. WHEELER MINES INC. 218 FELT BUILDING SALT LAKE, UTAH	PLAN AND ELEVATION OF PROPOSED POLE CANYON TUNNEL DEVELOPMENT ~ PHASE 1 TUNGSTEN PROJECT ~
		TRACED			
		CHECKED J.P.W.	5/11/51		
		APPROVED E.J.Y.	5/12/51		

SCALE 1" = 200'

C- 101-0

SALT LAKE BLUE

27,000 N.
26,000 N.
25,000 N.
24,000 N.
11,000 E.
10,000 E.

Bulldozer work in this area to locate upper lime beds, particularly base of Lawrence formation

Approximate position Upper lime-Shale Contact

POLECAT NO 1

POLE CANYON

Phase II ~ 1200' drive to Sheffield Fissure

POLE NO 4

Phase I ~ 1600' S 80° E.

POLE NO.5

Porphyry Dike

Bulldozer work along dyke and clean crest to show possible "hot spots" and fracturing, if any.

Elev. 8134'

Elev. 8000'

POLE CANYON

NORTH ARM

POLE

POLECAT

Phase I of project to consist of advancing Pole Tunnel 1,000 on S 80° E course and, if justified, drive 6 x-cuts at strongest N-S cross fractures and 6 short raises through Wheeler Bed.

High grade Scheelite found from N-S intersection with South Shear Zone.

Additional bulldozer work in these two areas for better exposure of Wheeler Bed and Iron ore zone

12 - N-S fractures cut in first 110' of Pole tunnel

110' Pole tunnel completed 6'x7' Section

High grade Scheelite on Surface in Shear Zone

WHEELER BED

WHEELER BED

Elev. 7820' Pole Tunnel

Elev. 7820'

Scheelite float found in this area

Bulldozer work to be done in this area to locate Wheeler Bed.

Elev. 7926'

POLECAT NO 3.

POLE CANYON

SOUTH ARM

No. 1 SHEAR ZONE

No. 2 SHEAR ZONE

No. 3 SHEAR ZONE

No. 4 SHEAR ZONE

REVISIONS	REVISIONS	EXHIBIT "A" PROPOSED EXPLORATION	REFERENCES	DRAWN 9/24/51	J.D.W.	POLE CANYON PROJECT D.M.A. - 2082 TUNGSTEN	MT. WHEELER MINES, INC. 218 Felt Building Salt Lake City 1, Utah	SCALE 1" = 100' D-100-3
				TRACED	✓			
				CHECKED	✓			
				APPROVED				

SALT LAKE BLUE 1000H