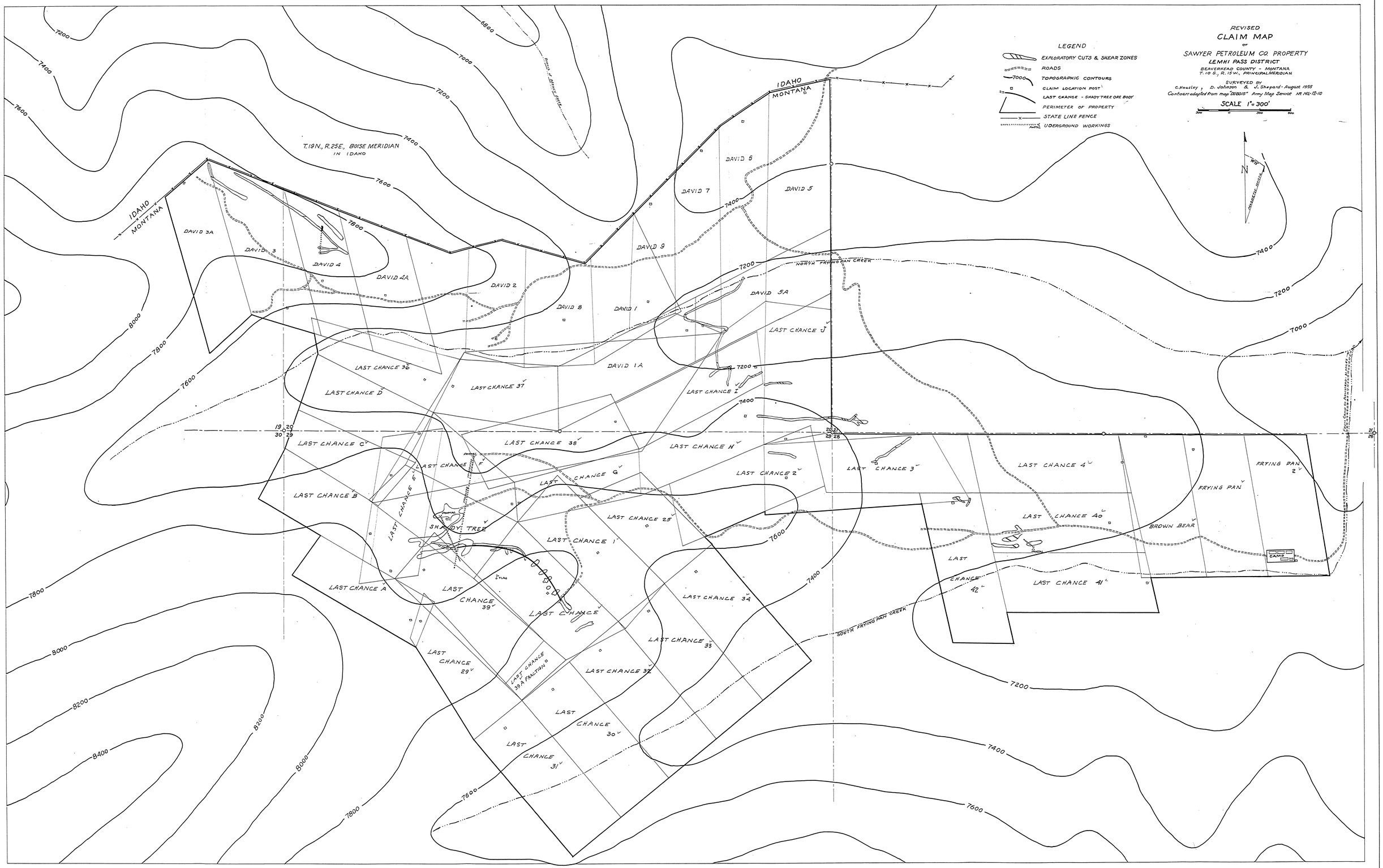
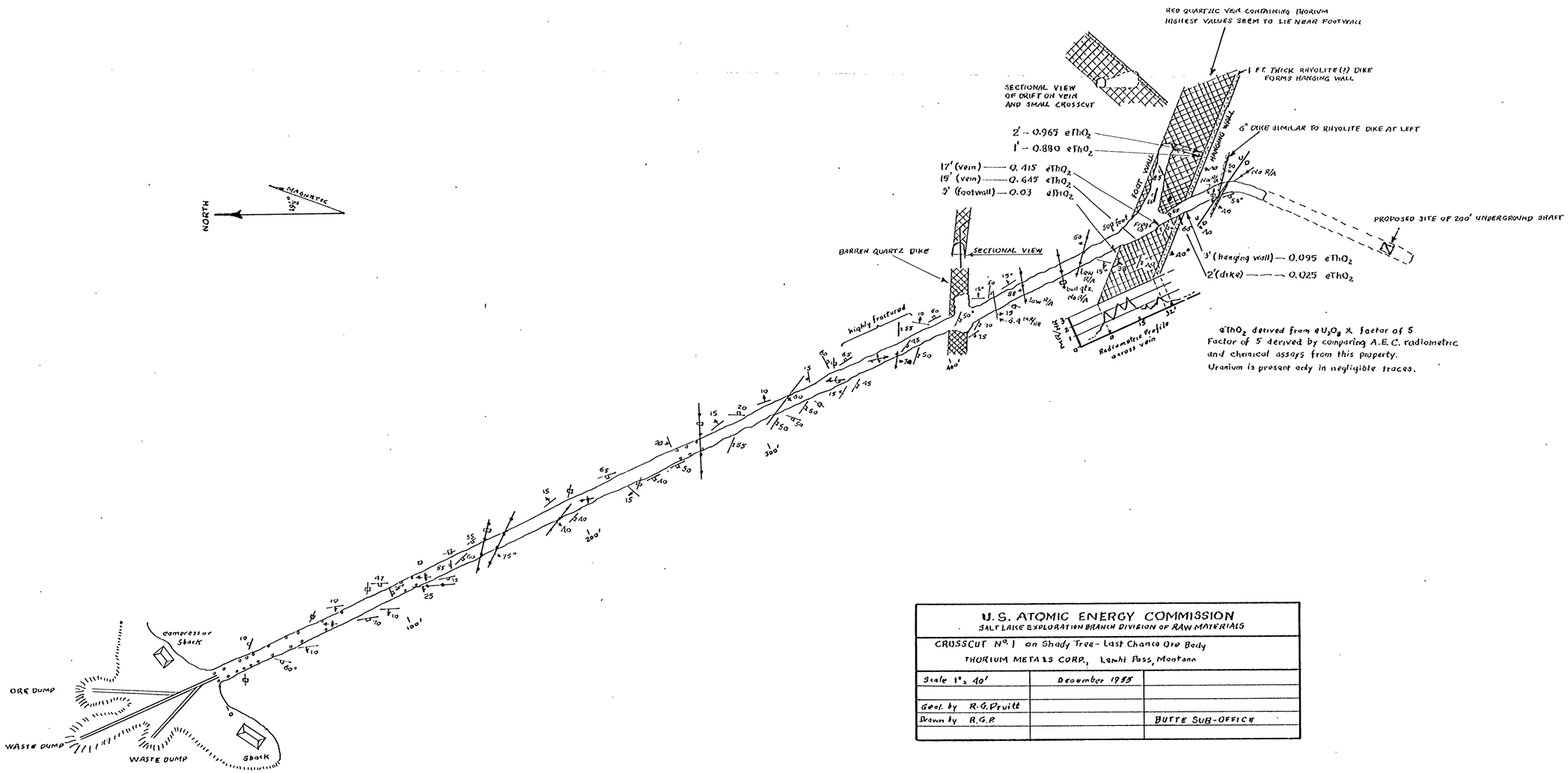
EXHIBIT A

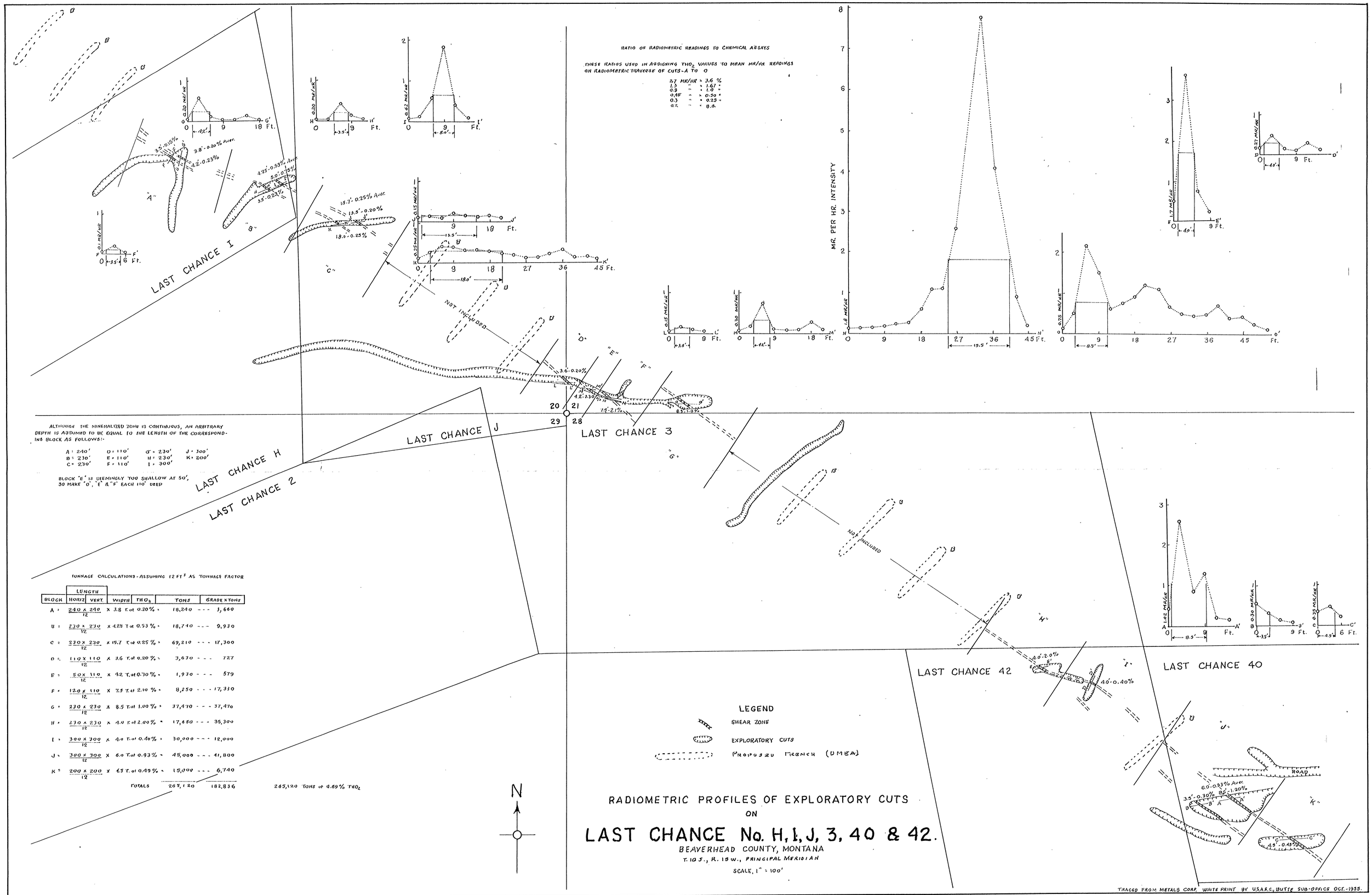

REVISED
CLAIM MAP
OF
SAWYER PETROLEUM CO. PROPERTY
LEMHI PASS DISTRICT
BEAVERHEAD COUNTY - MONTANA
T.19 S., R.15 W., PRINCIPAL MERIDIAN
SURVEYED BY
C. Housley, D. Johnson & J. Shepard - August 1955
Contours adapted from map "2000105" Army Map Service MR NC-12-10
SCALE 1" = 300'
LEGEND
EXPLORATORY CUTS & SHEAR ZONES
ROADS
TOPOGRAPHIC CONTOURS
CLAIM LOCATION POST
LAST CHANCE - SHADY TREE ORE BODY
PERIMETER OF PROPERTY
STATE LINE FENCE
UNDERGROUND WORKINGS
T.19N., R.25E., BOISE MERIDIAN IN IDAHO
IDAHO
MONTANA
DAVID 3A
DAVID 3
DAVID 4
DAVID 4A
DAVID 2
DAVID 8
DAVID 1
DAVID 1A
DAVID 9
DAVID 7
DAVID 6
DAVID 5
DAVID 5A
NORTH FRYING PAN CREEK
SOUTH FRYING PAN CREEK
LAST CHANCE J
LAST CHANCE I
LAST CHANCE 36
LAST CHANCE D
LAST CHANCE 37
LAST CHANCE C
LAST CHANCE 38
LAST CHANCE H
LAST CHANCE 2
LAST CHANCE 3
LAST CHANCE 4
LAST CHANCE 40
LAST CHANCE 41
LAST CHANCE 42
FRYING PAN 2
FRYING PAN
BROWN BEAR
CAMP
LAST CHANCE B
LAST CHANCE E
LAST CHANCE F
LAST CHANCE G
SHADY TREE
LAST CHANCE 25
LAST CHANCE 1
LAST CHANCE A
LAST CHANCE 39
LAST CHANCE 34
LAST CHANCE 33
LAST CHANCE 32
LAST CHANCE 29
LAST CHANCE 39A FAULTED
LAST CHANCE 30
LAST CHANCE 31
7200
7400
7600
7800
8000
8200
8400
6800
7000



U.S. ATOMIC ENERGY COMMISSION SALT LAKE EXPLORATION BRANCH DIVISION OF RAW MATERIALS		
CROSSCUT No. 1 on Shady Tree - Last Chance Ore Body THORIUM METALS CORP., Lemhi Pass, Montana		
Scale 1" = 40'	December 1955	
Geol. by R.G. Pruitt		
Drawn by R.G.P.		BUTTE SUB-OFFICE

COPY: TRACED. J.S.H. 5-9-58.

EXHIBIT C



RATIO OF RADIOMETRIC READINGS TO CHEMICAL ASSAYS

THESE RATIOS USED IN ASSIGNING THO_2 VALUES TO MEAN MR/HR READINGS ON RADIOMETRIC TRAVERSE OF CUTS-A TO O

2.7	MR/HR	=	3.6 %
1.3	"	=	1.67 "
0.3	"	=	1.9 "
0.46	"	=	0.30 "
0.3	"	=	0.23 "
0.2	"	=	0.0.

ALTHOUGH THE MINERALIZED ZONE IS CONTINUOUS, AN ARBITRARY DEPTH IS ASSUMED TO BE EQUAL TO THE LENGTH OF THE CORRESPONDING BLOCK AS FOLLOWS:-

A = 240'	D = 110'	G = 230'	J = 300'
B = 230'	E = 110'	H = 230'	K = 200'
C = 230'	F = 110'	I = 300'	

BLOCK "E" IS SEEMINGLY TOO SHALLOW AT 50', SO MAKE "D", "E" & "F" EACH 110' DEEP

TONNAGE CALCULATIONS - ASSUMING 12 FT^3 AS TONNAGE FACTOR

BLOCK	LENGTH HORIZ	LENGTH VERT.	WIDTH	THO_2	TONS	GRADE X TONS
A =	240 x 240 / 12		X 3.8 T. at	0.20% =	18,240 ---	3,660
B =	230 x 230 / 12		X 4.25 T. at	0.53 % =	18,740 ---	9,930
C =	230 x 230 / 12		X 15.7 T. at	0.25 % =	69,210 ---	17,300
D =	110 x 110 / 12		X 3.6 T. at	0.20 % =	3,630 ---	727
E =	50 x 110 / 12		X 4.2 T. at	0.30 % =	1,930 ---	579
F =	120 x 110 / 12		X 7.5 T. at	2.10 % =	8,250 ---	17,330
G =	230 x 230 / 12		X 8.5 T. at	1.00 % =	37,470 ---	37,470
H =	230 x 230 / 12		X 4.0 T. at	2.00 % =	17,650 ---	35,300
I =	300 x 300 / 12		X 4.0 T. at	0.40% =	30,000 ---	12,000
J =	300 x 300 / 12		X 6.0 T. at	0.93 % =	45,000 ---	41,800
K =	200 x 200 / 12		X 4.5 T. at	0.45 % =	15,000 ---	6,740
				TOTALS	263,120	182,836

263,120 TONS at 0.69 % THO_2

RADIOMETRIC PROFILES OF EXPLORATORY CUTS ON

LAST CHANCE No. H, I, J, 3, 40 & 42.

BEAVERHEAD COUNTY, MONTANA

T. 10 S., R. 15 W., PRINCIPAL MERIDIAN

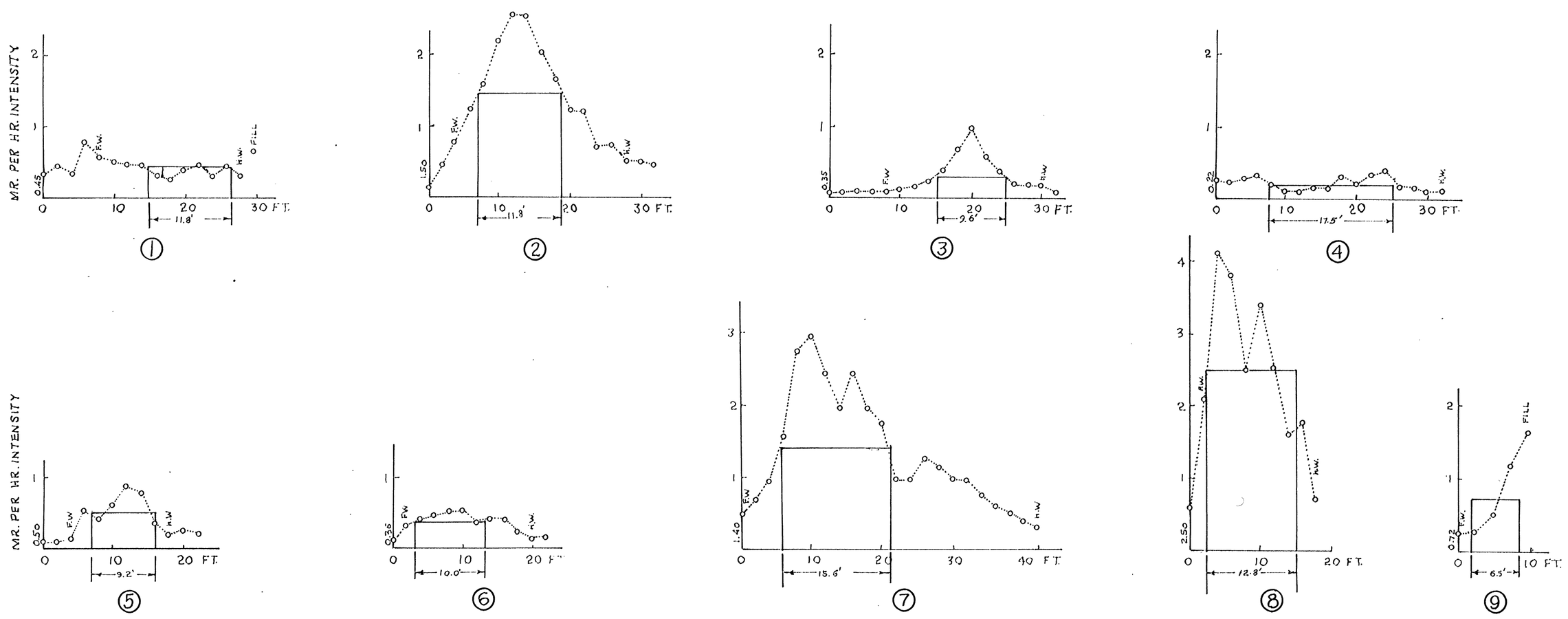
SCALE, 1" = 100'

TRACED FROM METALS CORP. WHITE PRINT BY U.S.A.E.C., BUTTE SUB-OFFICE OCT.-1955.

COPY TRACED J.S.H. 3-9-58.

EXHIBIT O

PLATE III



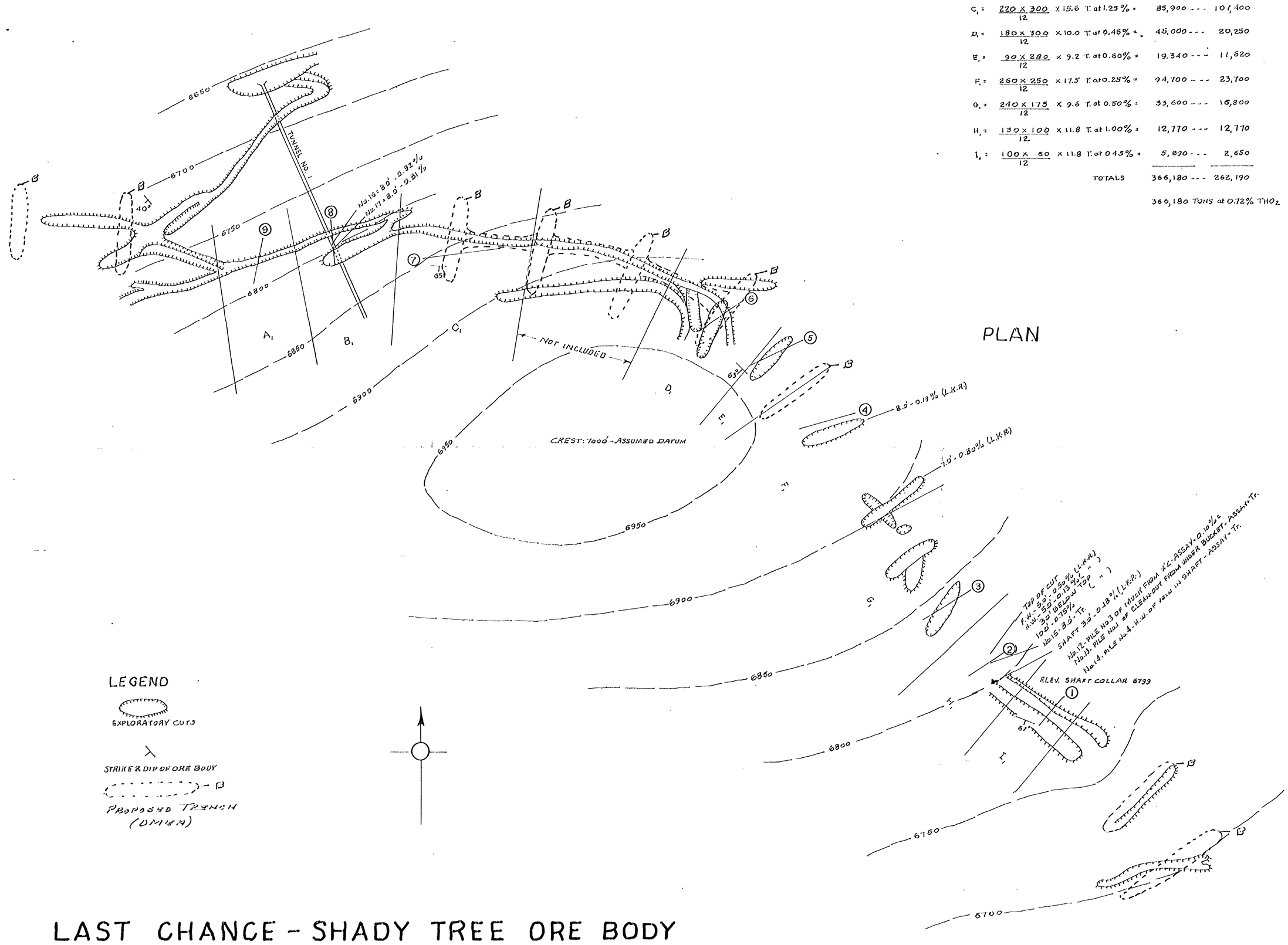
RADIOMETRIC CROSS - SECTIONS

SCALE 1" = 10'

TONNAGE CALCULATIONS - ASSUMING 12 FT³ AS TONNAGE FACTOR

BLOCK	LENGTH HORIZ	LENGTH VERT	WIDTH	THO₂	TONS	GRADE x TONS
A₁ =	130 x 280 / 12		x 6.5 T. at	0.90% =	19,680 ---	17,700
B₁ =	165 x 280 / 12		x 12.8 T. at	1.00% =	49,300 ---	49,300
C₁ =	220 x 300 / 12		x 15.6 T. at	1.25% =	85,900 ---	107,400
D₁ =	180 x 300 / 12		x 10.0 T. at	0.45% =	45,000 ---	20,250
E₁ =	90 x 280 / 12		x 9.2 T. at	0.60% =	19,340 ---	11,620
F₁ =	260 x 250 / 12		x 17.5 T. at	0.25% =	94,700 ---	23,700
G₁ =	240 x 175 / 12		x 9.6 T. at	0.50% =	33,600 ---	16,800
H₁ =	130 x 100 / 12		x 11.8 T. at	1.00% =	12,770 ---	12,770
I₁ =	100 x 60 / 12		x 11.8 T. at	0.45% =	5,870 ---	2,650
				TOTALS	366,180 ---	262,190

366,180 TONS at 0.72% THO₂



LAST CHANCE - SHADY TREE ORE BODY

BEAVERHEAD COUNTY, MONTANA

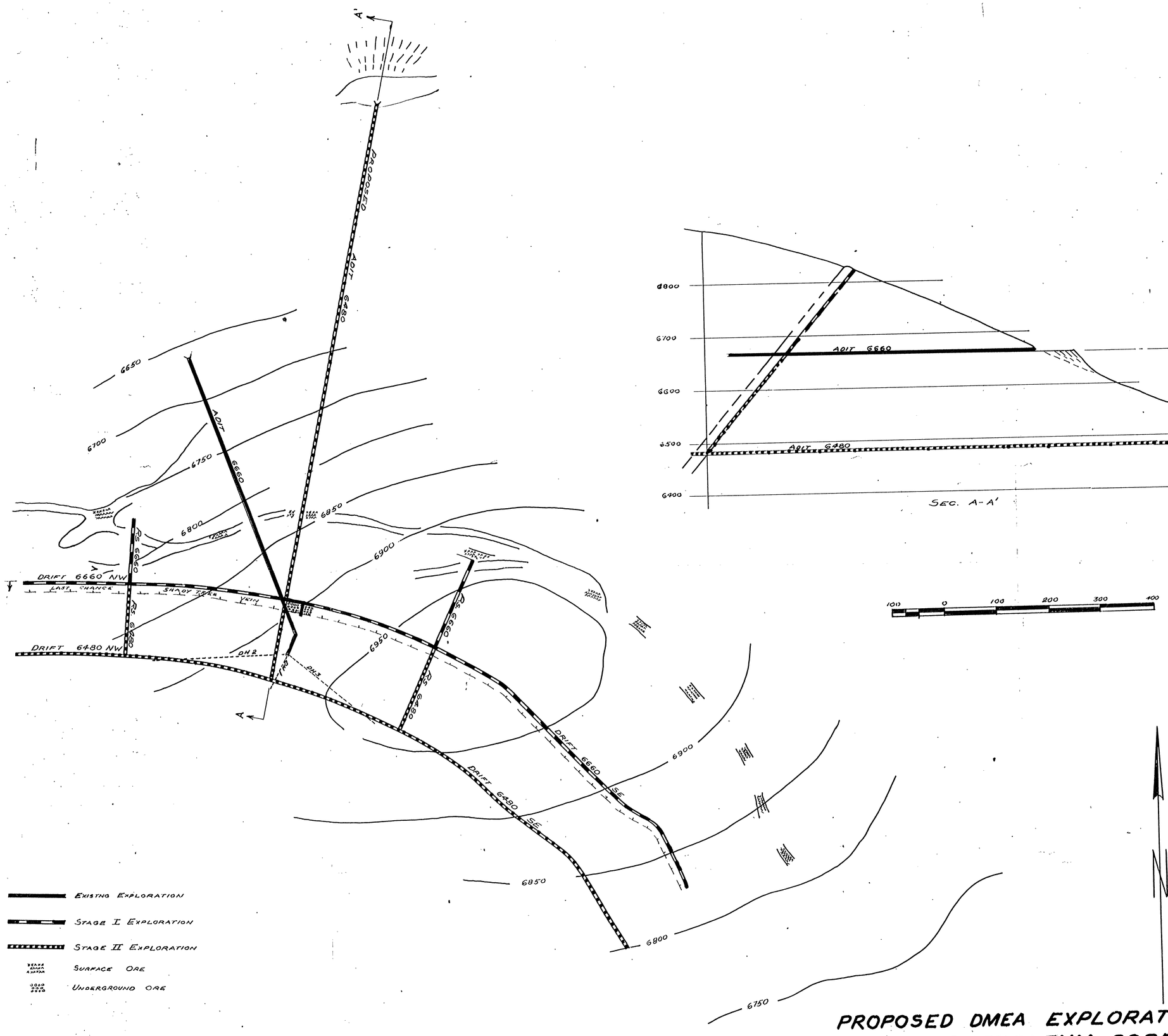
SCALE, 1" = 100'

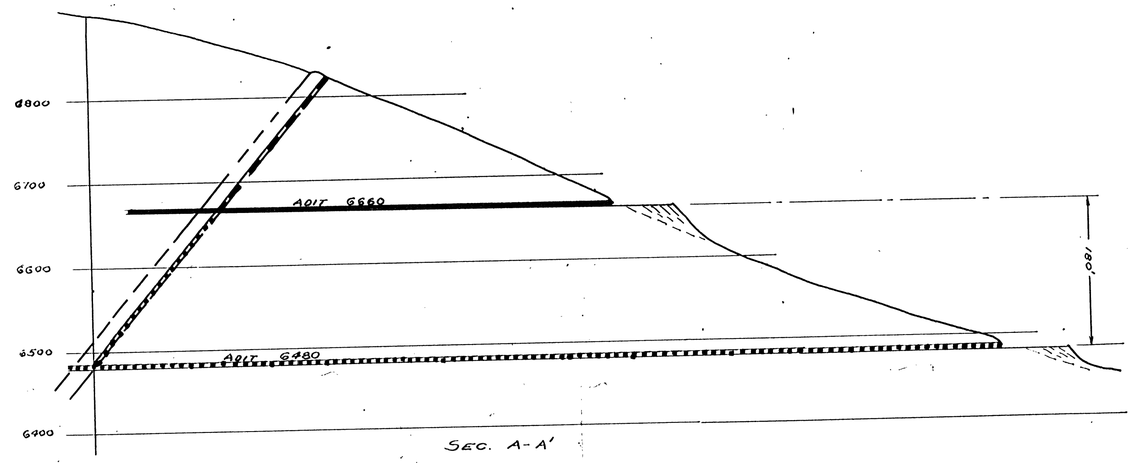
TRACED FROM METALS CORP. WHITE PRINT BY U.S.A.E.C. BUTTE SUB-OFFICE OCT. 1955

COPY TRACED JSH. 3-8-58

EXHIBIT B

PLATE II





PROPOSED DMEA EXPLORATION – THORIUM
SAWYER PETROLEUM CORPORATION PROPERTY
BEAVERHEAD COUNTY, MONTANA

L.D. JARRARD 1958

EXHIBIT E