MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 8/25/58

REFERRED TO:

1. M&7
2.
3.
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	..... Referring to .....
..... Conference	..... Reply for signature of .....
..... Consideration	..... Rewriting
✓ Filing	..... Signature
..... Instructions	..... Suggestions
..... Investigation	..... Your information
..... Initials	
..... Mailing	
..... Previous correspondence	

REMARKS:

Denen 4957 - (Denial)

Check (X) before the items needing attention.

Code 400
Initials of sender.

GPO 16—63815-1

[illegible]

[illegible]

[illegible]

Length and Angles of Drill Holes

Hole No. 1	Length 180 feet Drill at 87°
Hole No. 2	Length 420 feet Drill at 88°
Hole No. 3	Length 420 feet Drill at 88°
Hole No. 4	Length 470 feet Drill at 88°
Hole No. 5	Length 210 feet Drill at 40°
Hole No. 6	Length 270 feet Drill at 17°
Hole No. 7	Length 380 feet Drill at 61°
Hole No. 8	Length 270 feet Drill at 69°
Hole No. 9	Length 260 feet Drill at 68°
Hole No. 10	Length 260 feet Drill at 66°

Total depth of holes 3375 feet

Allowance for structural investigation, 225 feet

Total 3600 feet

DMEA
[illegible]
JUN 28 1958
[illegible]
[illegible]

MANUFACTURERS OF
DIAMOND DRILLS
MINING EQUIPMENT
DIAMOND BITS

BRANCH OFFICES
NEW YORK · PITTSBURGH
PHILADELPHIA
GRAND JUNCTION, COLO.

EXECUTIVE OFFICES & PLANT
201 W. OLIVE STREET
SCRANTON, PA.

CONTRACTORS FOR
DIAMOND DRILLING
SHOT DRILLING · COR SAMPLING · PRESSURE GROUTING
WATER WELLS & CHURN DRILLING

REPLY TO
P. O. BOX 1446
GRAND JUNCTION, COLO.
TELEPHONE
CHapel 2-0944

July 22, 1958

Francis Consolidated Mining & Milling Co.
c/o Keith Johnson
Mayflower Mining Co.
Ouray, Colorado

Gentlemen:

In response to your request, we herewith submit our proposal for diamond drilling at Ruby Trust Mine, Ouray, Colorado.

PROPOSAL

Core Drilling to maximum depth 600' $7.40/ft. 6.60

Reaming and placing casing . . . . . .$3.25/ft.

cementing . . . . . $10.00/hr.
(plus cement)

THIS PROPOSAL IS BASED ON THE FOLLOWING CONDITIONS:

1. Any bulldozer work required for preparation of access roads or drill hole locations will be furnished by customer at no cost to Sprague & Henwood, Inc.

2. Core will be delivered at hole locations. Any boxes required for storage of cores will be furnished by customer or if furnished by Sprague & Henwood, will be charged at cost as an extra item.

3. Payments are to be made monthly based on completed holes, within 15 days of date of invoice. Credit arrangements satisfactory to Sprague & Henwood are to be made prior to commencement of drilling program.

Contd.

Francis Consolidated Mining & Milling Co.
c/o Keith Johnson

July 22, 1958

4. All work shall be performed in such a manner as to secure maximum core recovery from each hole and as complete and accurate core samples as are consistent with good drilling practice.

We thank you for the opportunity of submitting this proposal and trust you may find it acceptable.

Very truly yours

SPRAGUE & HENWOOD, INC.

Robert R. Carver
Western Manager

RRC:nr

MACPHERSON DRILLING COMPANY
324 NORTH TOWNSEND AVENUE
MONTROSE, COLORADO
TELEPHONE ZONE CODE
Cherry 9- 4955 or 3501
P. O. BOX 447

CONSTRUCTION MINING EXPLORATION FOUNDATION AND SOIL TESTING

DMEA
DEPARTMENT OF THE INTERIOR
JUL 29 1958
REGION III
DENVER, COLORADO

July 26, 1958

Francis Consolidated Mining & Milling Co.
Ruby Trust Mine
Ouray, Colorado.

Gentlemen:

Attention: Mr. K. P. Johnson

In Accord with your request for bids on core drilling at the Ruby Trust Mine on surface. We hereby submit our price schedule to the following program of 10-holes, aggregating approximately 3600 feet of core hole.

Drilling rates, contract unit basis.

AX-Core drilling to a maximum depth of 600 feet @, $ 4.65 per ft.
Reaming for and setting casings, when required. 2.00 per ft.
Cementing and redrilling cement, when required. 2.00 per ft.

CONTRACTOR agrees to furnish all drilling equipment, tools, supplies, materials, labor, moblization, and demoblization in connection with drilling operations in accord with the terms setforth by D.M.E.A. specification.

COMPANY agrees to furnish roads and setup locations suitable for moving and installing contractor's drilling equipment. Provide core boxes and Engineering services when required in locating and directing of the drilling.

MacPherson Drilling Co.

MANUFACTURERS OF
DIAMOND DRILLS
DRILLING EQUIPMENT
DIAMOND BITS

BRANCH OFFICES
NEW YORK · PITTSBURGH
PHILADELPHIA
GRAND JUNCTION, COLO.

EXECUTIVE OFFICES & PLANT
221 W. OLIVE STREET
SCRANTON, PA.

SINCE 1883

SPRAGUE & HENWOOD, INC.

CONTRACTORS FOR
DIAMOND DRILLING
SHOT DRILLING · SOIL SAMPLING · PRESSURE GROUTING
WATER WELLS & CHURN DRILLING

PLEASE REPLY TO
P. O. BOX 1446
GRAND JUNCTION, COLO.
TELEPHONE
CHapel 2-0444

July 25, 1958

Francis Consolidated Mining
and
Milling Company
c/o Keith Johnson
May flower Mining Company
Ouray, Colorado

Gentlemen:

As per our telephone conversation this morning, with Mr. Keith Johnson, we hereby revise our proposal dated July 22, 1958 for drilling at the Ruby Trust Mine, Ouray, Colorado.

Under Item of Proposal marked "Core Drilling to Maximum Depth 600 ft." - This Item should read $6.60 per foot instead of the $7.40 per foot as previously quoted.

All other Items under our Proposal dated July 22 will remain the same.

We trust you will make this revision to our Proposal, and should you have any further questions in connection with our Proposal, please feel free to contact this office.

Very truly yours

SPRAGUE & HENWOOD, INC.

Vincent D. Nourse
Ass't to Western Manager

VDN:nr

CLIFFORD R. WILFLEY

Oct. 14, 1950

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RECEIVED 14 1958
DATE | CODE

THE

MINNIE B. MINES

OURAY COUNTY, COLORADO

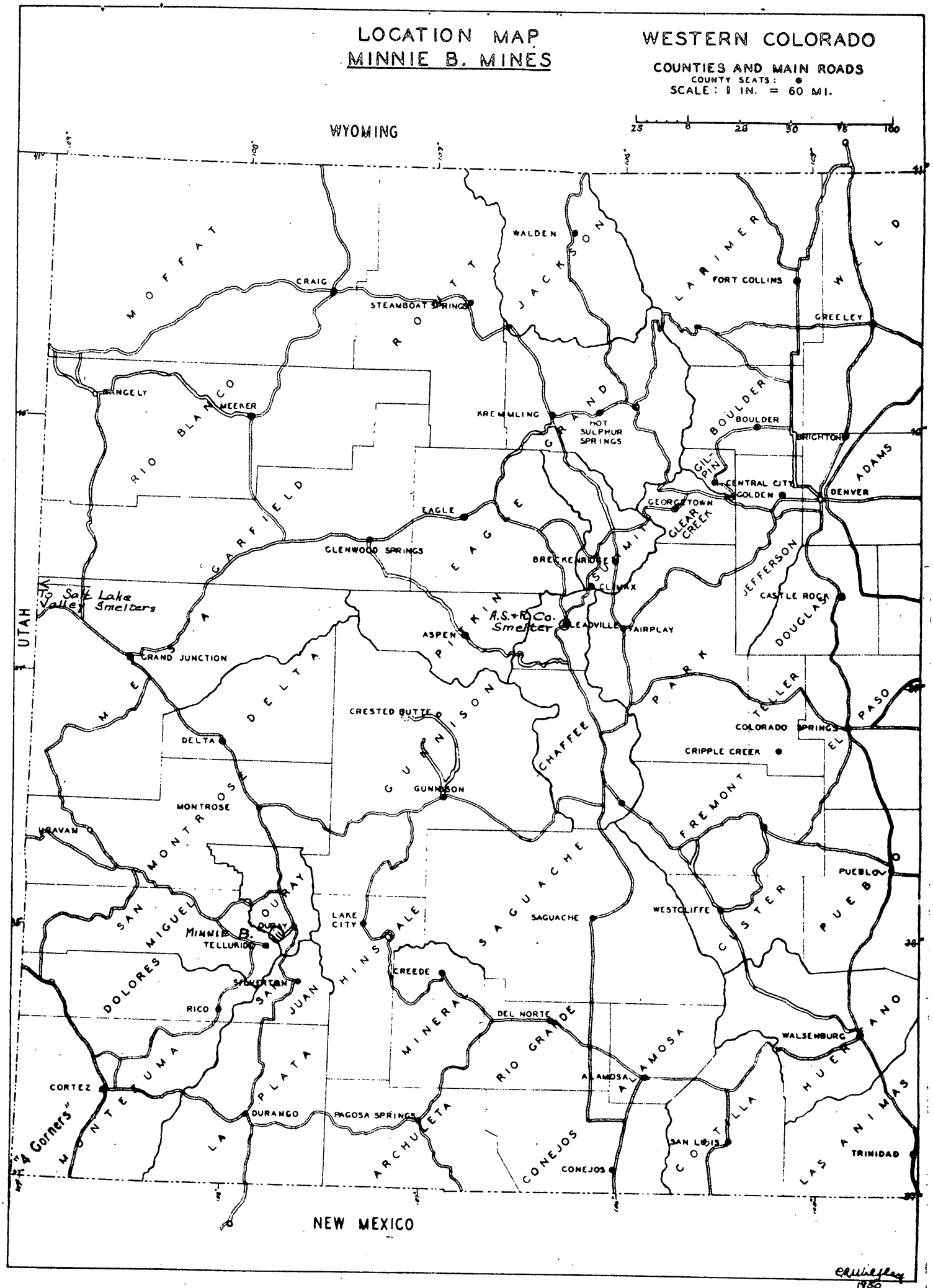
Report of Examination

Made Oct. 1-5, 1950

copy
C R Wilfley

C. R. Wilfley
Mining engineer Denver, Colorado.

EXHIBIT "G"



CRWilley 1930

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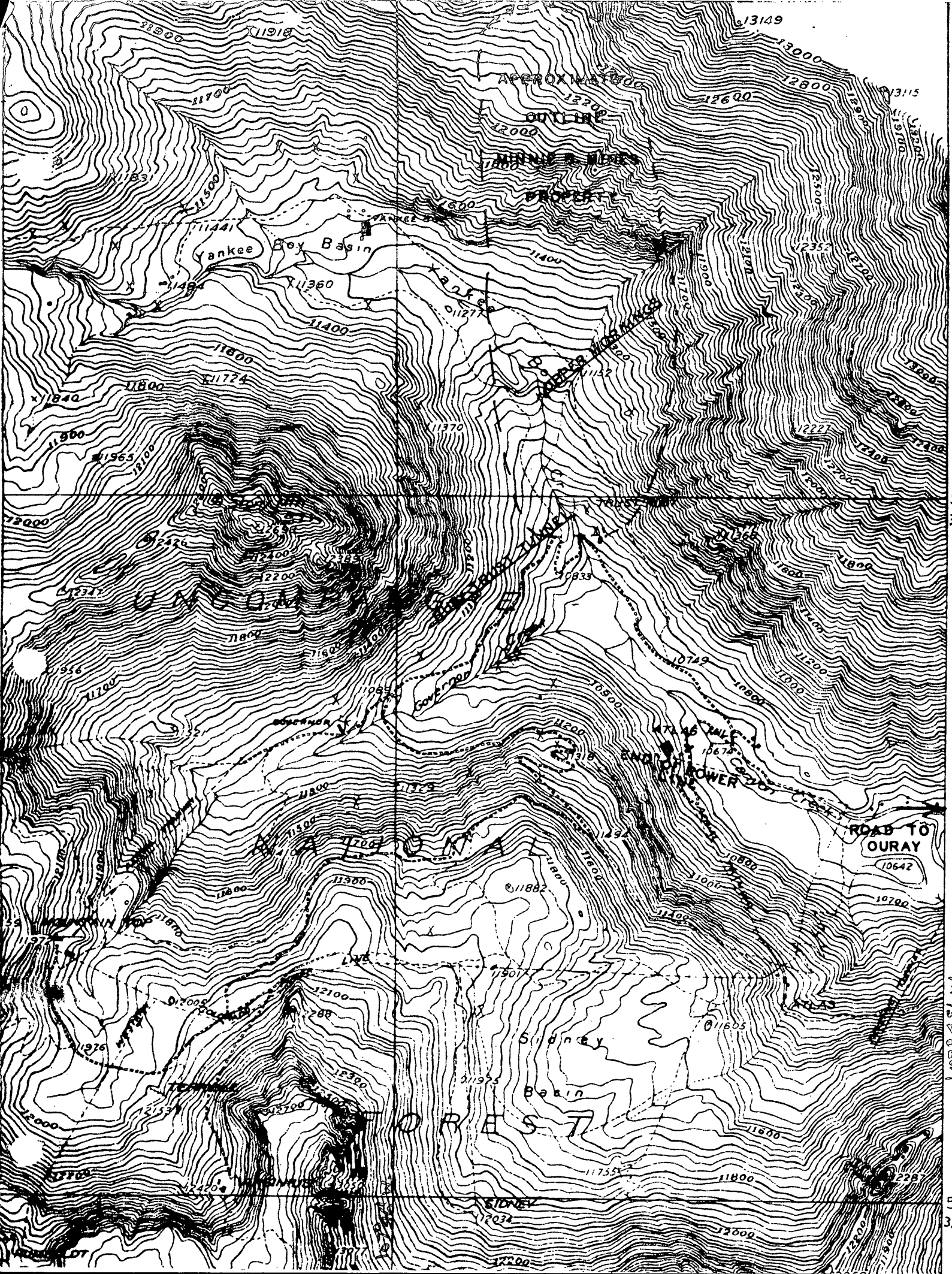
RECEIVED 14 1958


APPROXIMATE
OUTLINE
MINNIE B. MINES
PROPERTY
Yankee Boy Basin
Yankee
UNCOMPAHGRE
NATIONAL
FOREST
Governor
END OF POWER LINE
ROAD TO
OURAY
Sidney
Basin
SIDNEY
59
37°
58
37°
107°45'W

List of Properties....continued

Locations (unpatented claims):

Francis
Linda Jannet
Mary Ann
Hazel Lee
Wanda Fay
Erinda Jane

Claims of Ruby Trust Mining Co. optioned by Mr. Francis:

Estella	U. S. Sur.	No.	12151
Ciorassian	"	"	160
Verda	"	"	6870A
Verda Mill Site	"	"	6870B
Clarence	"	"	12150
Yellowstone	"	"	1248
Smuglar	"	"	6558

Mr. Francis states that he has made payment for an option to purchase or to operate these claims, under royalty.

PHYSICAL FEATURES AND COMMUNICATIONS

The mine is situated in a typical San Juan glacial cirque and just below it, at altitudes of, say, 10,500 to 11,500 feet. This is a familiar condition to a San Juan operator and imposes no obstacle except excessive snow in winter. The summers are delightful and the winters characterized by heavy snowfall with dangerous snowslides in places. The slides ore not particularly hazardous in this case, and the help of the county in keeping the road clear makes all year around operation quite feasible. Mr. Francis was able to keep a small operation going all thru one winter; a large operation should have no real difficulties.

Skilled mining labor is available at modern wages of $9 to $13 per day. Mining supplies for ordinarynoperation are obtainable in Ouray, Grand Junction, and Denver. Modern telephone and telegrapgh facilities are available in Ouray. A telephone line is operative now to the Revenue mine near by, and this can be extended at small cost to the Minnie B.

Very good electric power is furnished to the district by the Western Colorado Power Company. As shown on the accompanying U.S.G.S. topographic map, a hot line extends to near the Minnie B. An estimate by the power company is that their line can be extended to the Minnie B. at a cost of about $3000.

CLIFFORD R. WILFLEY

THE ORE DEPOSITS

The area has long been known for a yield of very rich silver ores and, in the case of the Governor mine, very rich gold ore. How steady and substantial was the early-day production is not known; in more recent years the output has been sporadic but of high grade.

The upper workings are apparently on the original Ruby Trust vein. This vein strikes 10° to 15° north west and dips 75° to 80° to the west. It averages about 4 feet wide, tho in places it is much wider; at the No. 1 tunnel it is fully 8 feet wide as broken in mining.

As far as could be observed these workings are in the north flank of the Stony Mountain mass of intrusive gabbro-diorite. The upper workings enter the mountain in the face of a small cliff of this rock but from thence on the surface is covered with an alluvial fan of debris washed down from the cliffs of San Juan andesites which form the head of the basin. Therefore it is practically impossible to follow and prospect the vein to the north beyond these workings. In the cliffs of the San Juan formation ahead, however, what is probably this vein makes a striking and prominent outcrop following a dike mapped by the U. S. Geological Survey. There is some evidence of this dike in the upper workings, much altered by vein solutions but accompanying the vein.

A vein of fluorspar follows the ore vein in the upper workings. It crosses the vein at the north face of the No. 2 tunnel and strikes out to the northwest at a slight angle to the northerly course of the ore vein. The extent of this fluorspar deposit was not examined indetail; the spar is intermixed with silica and some of the vein minerals so that except in locally pure lenses it would have to be processed by special milling to make a commercial product.

The same fluorspar vein is found alongside the ore vein down in the Ruby Trust tunnel, indicating a substantial deposit of this material. Sample 26, assaying 86.87 percent CaF_2 and 8.16 percent SiO_2 was taken from the showing in the Ruby Trust tunnel. This was selected pieces of the best spar showing and not an average of the entire fluorspar vein. It indicates that the spar occurs in pure state in some parts of the deposit. Such spar could easily be produced in a suitable washing and sorting plant.

There is some reason to think that the spar vein is associated with the Clarence vein, after considering the positions of the several veins as mapped. There was no evidence on the surface in the cut on the Clarence vein, of this spar, but the crossing in the No. 2 tunnel seems to be connected with the Clarence vein fissure cutting the Ruby Trust fissure.

CLIFFORD R. WILFLEY

ORE DEPOSITS...continued

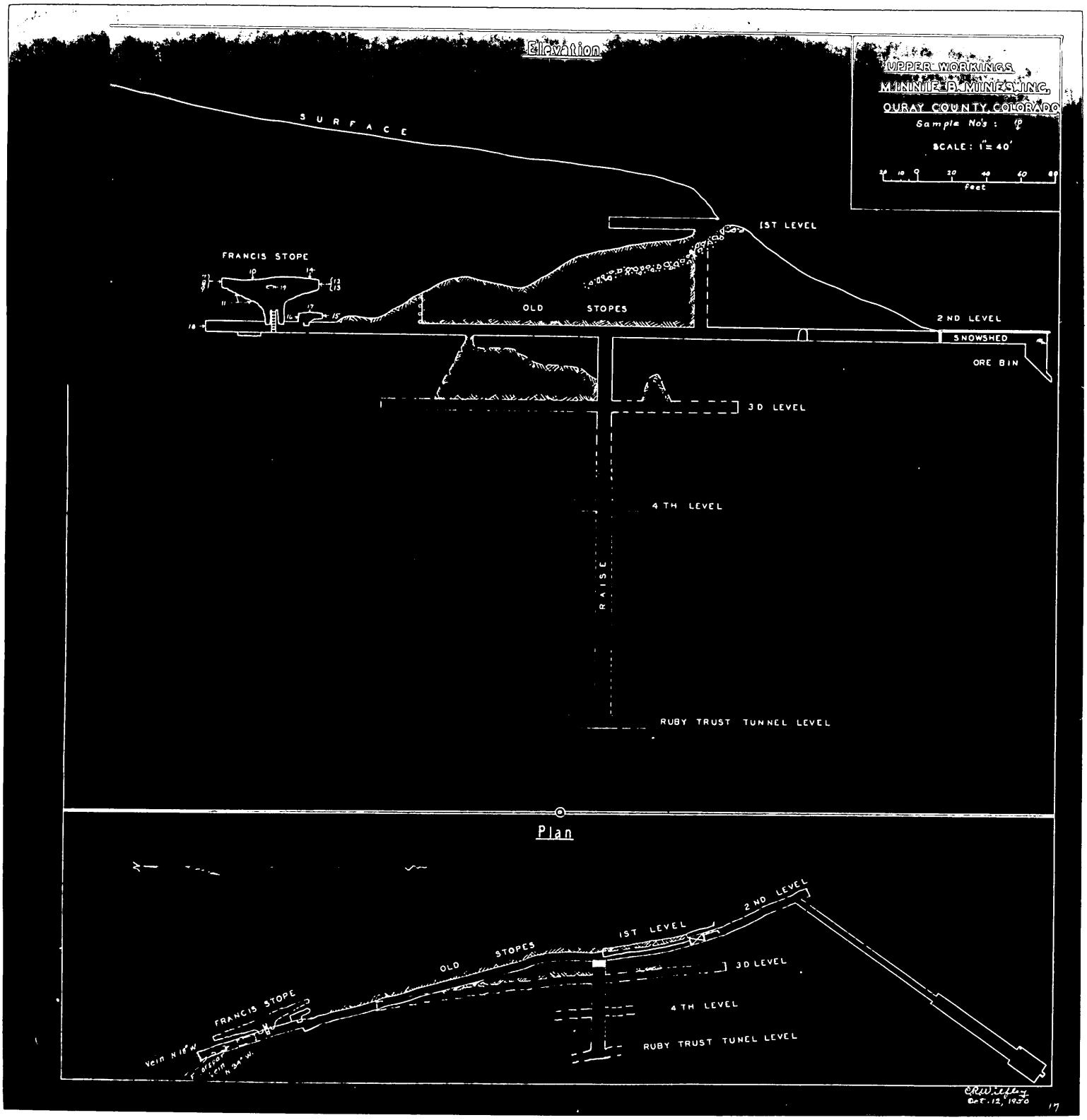
The Francis stope seems to be at the north end of the ore body that was formerly stoped in the "Old Stopes", as the north face of the No. 2 level is low in assay value (Sample 18). The vein however continues strong and is mineralized, as the sample shows. It is more than possible that the impoverishment is connected with the splitting off of the fluorspar vein and possibly conjunction with the Clarence vein; it is highly advisable to continue the drift beyond this split, as another ore body could exist beyond the influence of the splitting and crushing of the vein.

The Clarence vein is not well exposed on the surface and there are no underground workings. A large pit on the vein however, and a smaller one near by, show a strong vein running as shown on the accompanying map, with piles of vein material on the dump. Samples 5 and 6 show this vein is well mineralized though of very low grade at the surface. There is considerable rhodochrosite or manganese carbonate in evidence, possibly also ankerite, as evidenced by the thorough blackening of the ore wherever exposed to the weather. As this vein is a strong vein and can easily be explored from the present tunnel workings, its further exploration is advisable.

The Buckeye Boy vein is exposed in a small tunnel and a large opencut near by. It is 4 or 5 feet wide and shows the same manganese-stained type of ore as the Clarence vein. Sample 24 in the opencut shows the vein to be low grade at this point; Sample 25 of the selected and cobbed ore pile at the tunnel shows that locally the mineralization is very good.

The Bessie Bascom vein is evidently a strong vein but it is covered on the surface and the tunnel is inaccessible. At the portal the vein is exposed over a width of seven or eight feet, but the average width is probably around 4 feet. As nearly as could be determined from looking into the small hole at the portal, and observing the vein exposed outside, the vein strikes north 60° west; the claim however is laid out east and west. Therefore the course of the vein as shown in this report may be wrong, but the evidence is otherwise, so far.

The exposures were not sufficient to come to conclusions as to what localizes ore bodies, except that the evidence seems to prove that the ore is deposited in the neighborhood of vein intersections. At the No. 1 tunnel for example there is exposed on the surface a wide set of fractures with "horses" of country rock between, carrying good vein quartz and some sulfides. (Samples 21 and 22). These fractures seem to belong to a vein striking off the to northeast from a junction with the Ruby Trust vein. They cannot be followed northeast on the surface because of the mantle of "wash" and debris but this possible vein should certainly be prospected. The No. 2 tunnel ore body lies immediately north of this supposed vein intersection.


Elevation
UPPER WORKINGS
MINNIE B. MINES, INC.
OURAY COUNTY, COLORADO
Sample No's : 1P
SCALE : 1" = 40'
Feet
SURFACE
1ST LEVEL
FRANCIS STOPE
OLD STOPES
2ND LEVEL
SNOWSHED
ORE BIN
3D LEVEL
4TH LEVEL
RAISE
RUBY TRUST TUNNEL LEVEL
Plan
2ND LEVEL
1ST LEVEL
OLD STOPES
3D LEVEL
FRANCIS STOPE
4TH LEVEL
RUBY TRUST TUNEL LEVEL
Vein N 18° W
Vein N 34° W.
C.R.Willey
Oct. 12, 1950
17

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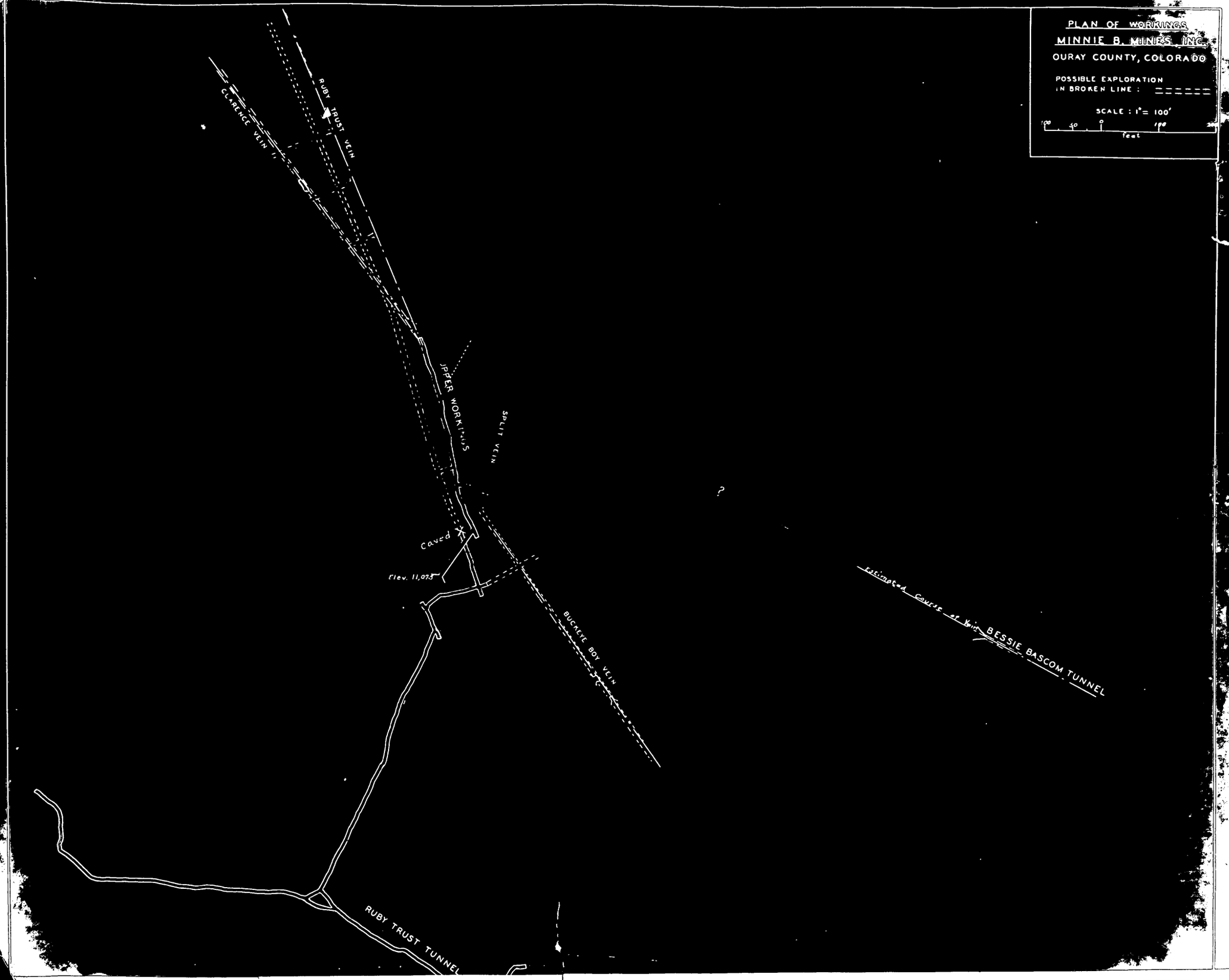
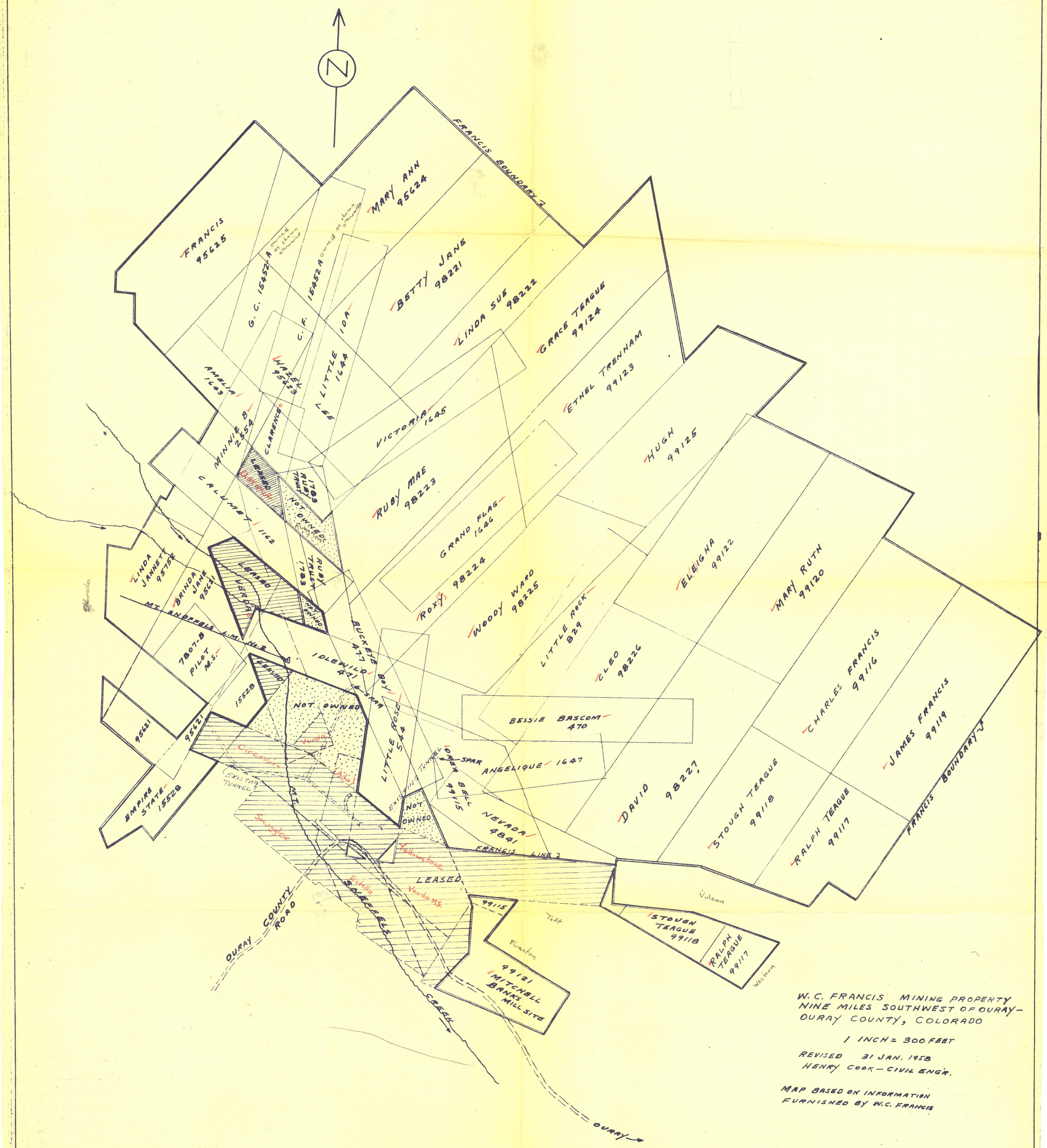

PLAN OF WORKINGS
MINNIE B. MINES, INC.
OURAY COUNTY, COLORADO
POSSIBLE EXPLORATION
IN BROKEN LINE :
SCALE : 1" = 100'
100 50 0 100
feet
RUBY TRUST VEIN
CLARENCE VEIN
UPPER WORKINGS
SPLIT VEIN
Caved
Elev. 11,075
BUCKEYE BOY VEIN
Estimated Course of Vein
BESSIE BASCOM TUNNEL
RUBY TRUST TUNNEL
?



Part 2 of
EXHIBIT "A"
(Part 1 is List of Claims)

EXHIBIT "A"

Not owned

Leased, Not subject to lien

Notes: —

1. CORE DRILLING (AX-SIZE) WILL FOLLOW EXPOSED SURFACE VEINS, BEGINNING AT THE ENDS OF ~~PROPOSED~~ EXISTING DRIFTS WHERE ASSAYS REVEALED SPAR AND MANGANESE.

2. PATTERN OF DRILLING WILL BE CONTROLLED BY FINDINGS AND LOCATION OF OTHER VEINS BY ACTUAL FIELD SURVEYS. IT IS ANTICIPATED THAT PORTIONS OF ALL CLAIMS SHOWN ON THIS MAP WILL BE EXPLORED. SEVERAL SPAR BEARING VEINS CROSS THE CLAIMS. LOCATION OF EACH VEIN WILL BE MADE AND CERTIFIED MAPS WILL BE SUBMITTED TO DMEA FOR APPROVAL AS THE EXPLORATION WORK PROGRESSES.

3. AREA TO BE EXPLORED IS DESIGNATED BY HATCHED LINES.

W. C. FRANCIS TRACT

OURAY COUNTY, COLO.

SHOWING PROPOSED AREA TO BE EXPLORED

SCALE - 1 INCH = 300 FEET

HENRY COOK
CONSULTING ENGINEER
FORT WORTH, TEXAS

FEB. 1958

EXHIBIT "B"

W.C. FRANCIS MINING PROPERTY
NINE MILES SOUTHWEST OF OURAY,-
OURAY COUNTY COLORADO

SCALE - 1 INCH = 300 FEET

TRACED FROM MAP PREPARED BY WM McCULLOUGH 25 APRIL 195-
HENRY COOK
CONSULTING ENGR.
Nov. 27, 1957