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PRELIMINARY RECONNAISSANCE EXAMINATION

Date: November 10, 1956

By: Norman Eastmoore, Jr.

Name of Property: Mike Clark Ranch
Clark #3 Claim

State: Arizona County: Santa Cruz

Location: NE 1/4, Sec. 24, T-22-S, District: Oro Blanco District
R-10-E.

Date of this Report: November 12, 1956
By: Arivaca Topo sheet

Map & Aerial Photo Ref.: Oro Blanco Topo sheet

Extent of Property: Prospect Surface
cut.

Ownership (Name & Address): Mike Clark ^{owns} Leased or Optioned to (Name & Address):
surface rights and believes he owns mineral rights.

Facilities:

- (a) Accessibilities (Roads, Trails, About 1 mi. from Jeep road etc.): (f) Water: None @ prospect.
in Chimney Canyon. About 1 mi. from Oro Blanco road at Oro Blanco.
- (b) Air Fields: (g) Labor: Probably Mexican labor available
Grass strip 3 miles North of Prospect.
- (c) Power: None (h) Climate: Elev. 4250. Semi arid.
- (d) Telephone: At Clark Ranch ^{Vogales # 2000-F22} (i) Supply Source: Tucson - Groceries probably available @ Arivaca about
House 3 miles north prospect.
- (e) Housing: None (j) Miscellaneous: 6 mi. NW.

Type of Deposit: (Describe briefly under following headings; Structure, Lithology, Mineralogy, Stratigraphic conditions, Physiographic conditions, Reserves, Possible Extensions, Geology, Geophysics & Drilling):

Cerussite W/cu. ox stains & wulfenite occurs in ls & Qtz fragments which appear to be "drag" ore in a fault zone. Fault zone is about 8'-10' wide and has hangwall of shale & footwall of intrus rx (Qtz. monzonite?) where exposed in 15 foot deep surface cut. in saddle of ridge. Fault zone strikes N 18 W & dips 55° E. A "train" of Qtzt. fragments traverses Fault zone, see accompanying sketch.

Mine Workings: (Brief description of methods used, map to be attached if available)

Open cut 25' along Fault zone & 15' deep.

Production Data: (Past, present and possible future)
None Known

Sampling and Analysis: (By whom--Results)

	Ag	Pb.
Sample #601, select. qtz frags from fault zone show Wulfenite.-	1.90%	3.4%
Sample #602, grab from fault gouge over 18" width. - - - - -	0.4	0.2%

Mining Equipment on Property: None

Mill Equipment on Property: None

Misc. Equipment on Property: None

Camp Facilities: None

Ore Reserve Estimates: None

Recommendations and Conclusions: The deposit as now exposed does not offer sufficient potential to warrant our serious consideration. However, the information which would be furnished from the following suggestions might allow a more definite evaluation of this prospect. When convenient, to expose the fault zone in NW end of cut where covered by sloughed soil to determine where the sorted cerussite ore came from in fault zone. A sample could then be taken across the mineralized width of fault & assayed for Ag & Pb. Surface trenching, sampling & mapping might help to determine the fault movement so that the location of two ends of the disrupted ore structure which furnished the "drag" ore in the fault might be predicted.

References: (Bibliography, Maps, Former Workers or Engineers)

1. Sketch of x-sect. of fault zone showing poss. interpretation of vertical displacement.
2. Sketch made by Mike Clark showing location of various Pb. prospects on Chimney Canyon on his ranch.

Company

Minerals Exploration Co.

Location

Mike Clark #3 Claim

Date

11/12/56

Description:

Drag? Qtz frags. from N18W Fault Zone which crosses saddle (hi.pt.) on trail from Chimney Canyon to Oro Blanco. Fault is 8-10' wide & dips about 55° E, w/sh hanging wall & intrus (qtz. monzonite?) footwall.

Qtz & fault gouge shows scat. wulfenite xls & cobbled material on dump shows frags of heavy cerussite mineralization, & scat. malachite & azurite staining. Some drag? cerussite frags. are limy & effervesce w/dilute HCl.

Assay for Ag $\frac{0.7}{1.9}$ & Pb $\frac{0.1}{3.4}$

Sample N°

601

Company MINERALS EXPLORATION COMPANY

Location Clark # 3 Claim

Date 11/12/56

Description:

Grab sample of fault gouge from same spot in fault from which sample #601 was taken.
This sample taken to check gouge for Pb, Ag.

Assay for ^{oz} Ag, ^{oz} Pb.
0.4 0.2

Sample No 602

PRELIMINARY RECONNAISSANCE EXAMINATION

Date: November 10, 1956

By: Norman Eastmoore, Jr.

Name of Property: Mike Clark Ranch
Clark #3 Claim

State: Arizona County: Santa Cruz

Location: NE 1/4, Sec. 24, T-22-S, District: Oro Blanco District
R-10-E.

Date of this Report: November 12, 1956

By: Arivaca Topo sheet

Map & Aerial Photo Ref.: Oro Blanco Topo sheet

Extent of Property: Prospect Surface
cut.

Ownership (Name & Address): Mike Clark owns
surface rights and believes he owns mineral rights. Leased or Optioned to (Name & Address):

Facilities:

(a) Accessibilities (Roads, Trails, etc.): About 1 mi. from Jeep road in Chimney Canyon. About 1 mi. from Oro Blanco road at Oro Blanco.

(f) Water: None @ prospect.

(b) Air Fields: Grass strip 3 miles North of Prospect.

(g) Labor: Probably Mexican labor available

(c) Power: None

(h) Climate: Elev. 4250. Semi arid.

(d) Telephone: At Clark Ranch House 3 miles north prospect.

(i) Supply Source: Tucson - Groceries probably available @ Arivaca about 6 mi. NW.

(e) Housing: None

(j) Miscellaneous:

Type of Deposit: (Describe briefly under following headings; Structure, Lithology, Mineralogy, Stratigraphic conditions, Physiographic conditions, Reserves, Possible Extensions, Geology, Geophysics & Drilling):

Cerussite w/cu. ox stains & wulfonite occurs in ls & Qtz fragments which appear to be "drag" ore in a fault zone. Fault zone is about 8'-10' wide and has hangwall of shale & footwall of intrus rx (Qtz. monzonite?) where exposed in 15 foot deep surface cut. in saddle of ridge. Fault zone strikes N 18 W & dips 55° E. A "train" of Qtzt. fragments traverses Fault zone, see accompanying sketch.

Mine Workings: (Brief description of methods used, map to be attached if available)

Open cut 25' along Fault zone & 15' deep.

Production Data: (Past, present and possible future)
None Known

Sampling and Analysis: (By whom--Results)

Sample #601, select. quz frags from fault zone show Wulfenite. - 1.90% Ag 3.4% Pb
Sample #602, grab from fault gouge over 18" width. - - - - - 0.4% Ag 0.2% Pb

Mining Equipment on Property: **None**

Mill Equipment on Property: **None**

Misc. Equipment on Property: **None**

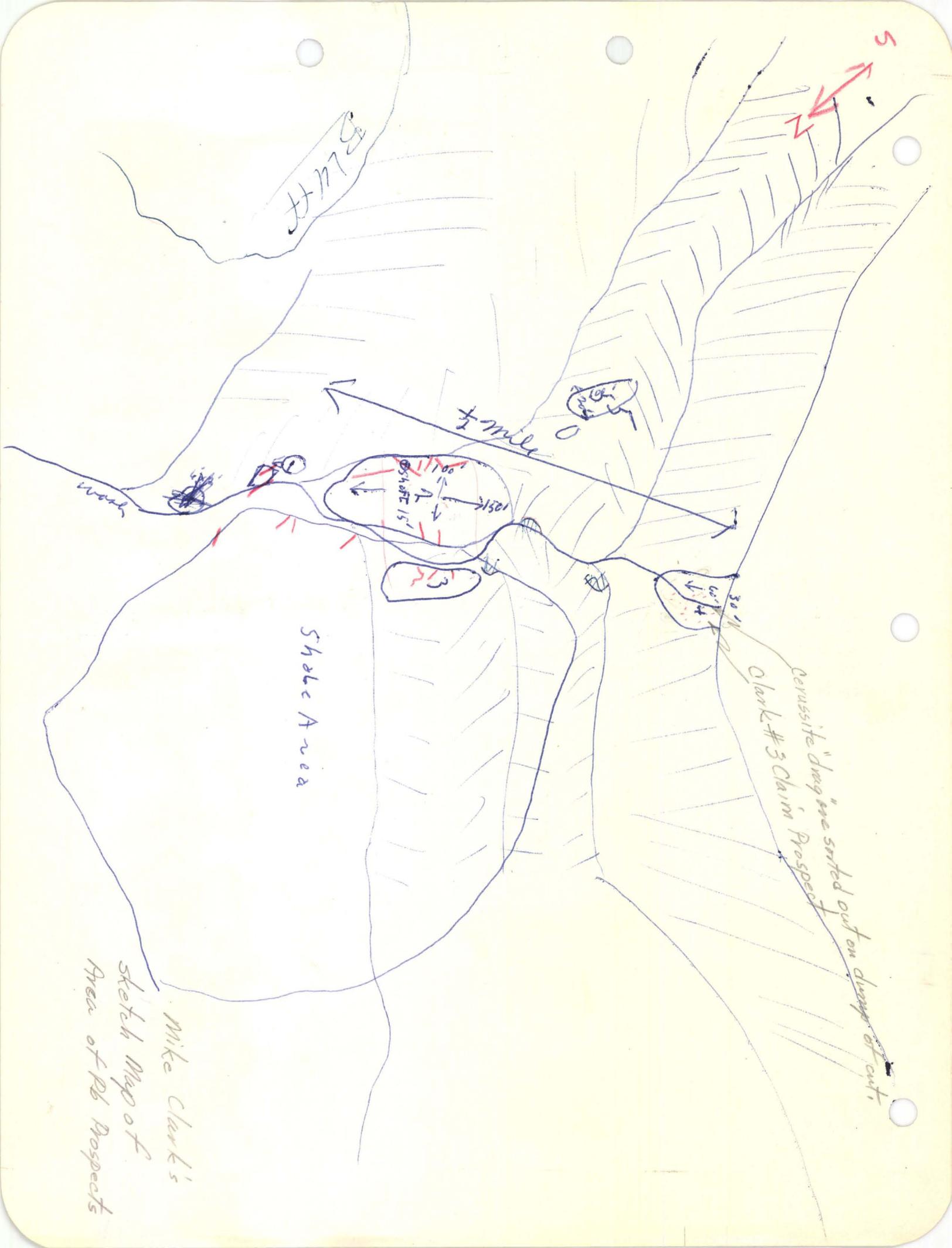
Camp Facilities: **None**

Ore Reserve Estimates: **None**

Recommendations and Conclusions: The deposit as now exposed does not offer sufficient potential to warrant our serious consideration. However, the information which would be furnished from the following suggestions might allow a more definite evaluation of this prospect. When convenient, to expose the fault zone in NW end of cut where covered by sloughed soil to determine where the sorted cerussite ore came from in fault zone. A sample could then be taken across the mineralized width of fault & assayed for Ag & Pb. Surface trenching, sampling & mapping might help to determine the fault movement so that the location of two ends of the disrupted ore structure which furnished the "drag" ore in the fault might be predicted.

References: (Bibliography, Maps, Former Workers or Engineers)

1. Sketch of x-sect. of fault zone showing poss. interpretation of vertical displacement.
2. Sketch made by Mike Clark showing location of various Pb. prospects on Chimney Canyon on his ranch.



BULLY

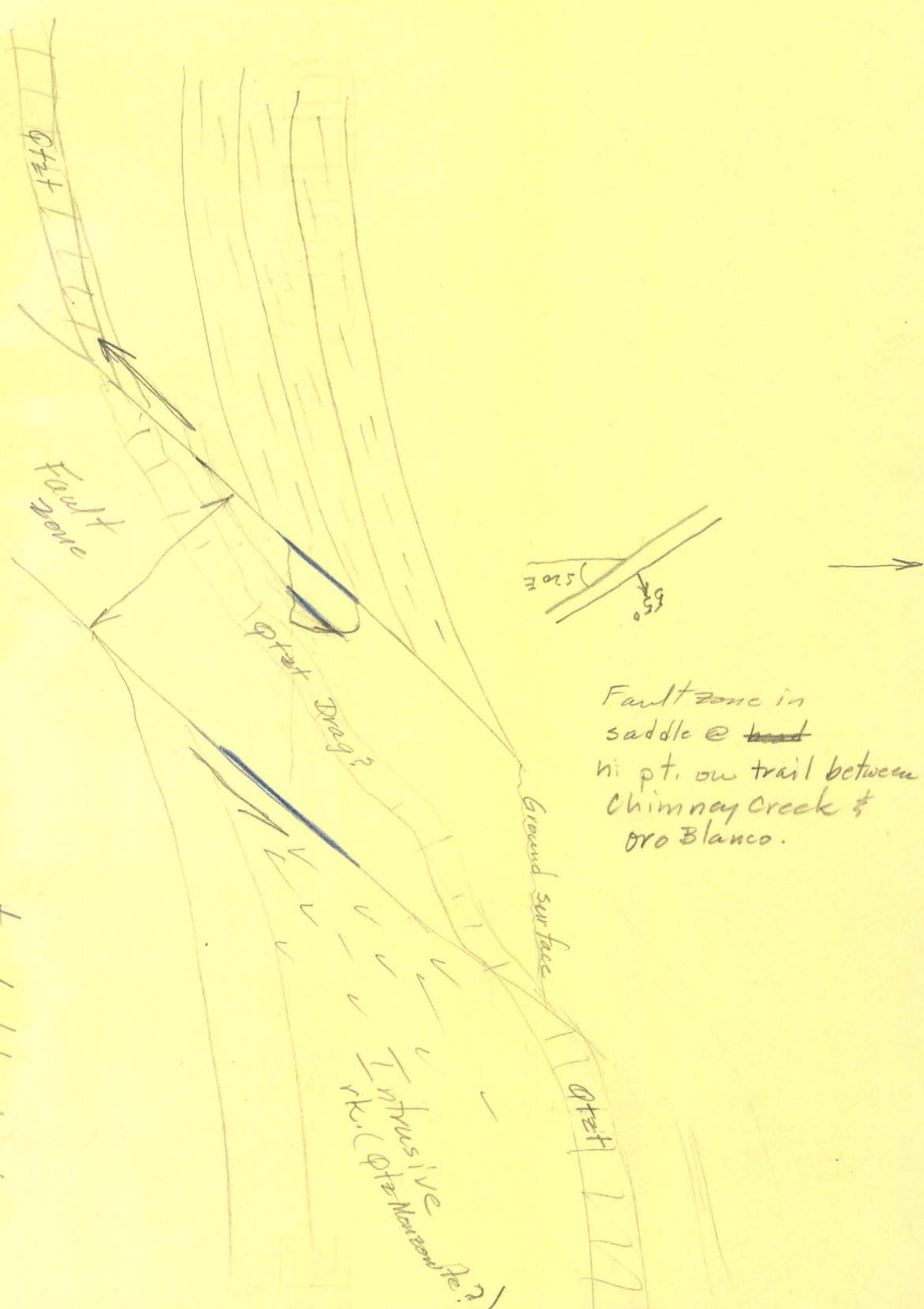
1/2 mile

S

Shale Area

Clark #3 Claim Prospect
Cerussite "drag" we sorted out on dump of out.

Mike Clark's
sketch Map of
Area of Pb Prospects



Fault zone in saddle @ ~~base~~ hi pt. on trail between Chimney Creek & Oro Blanco.

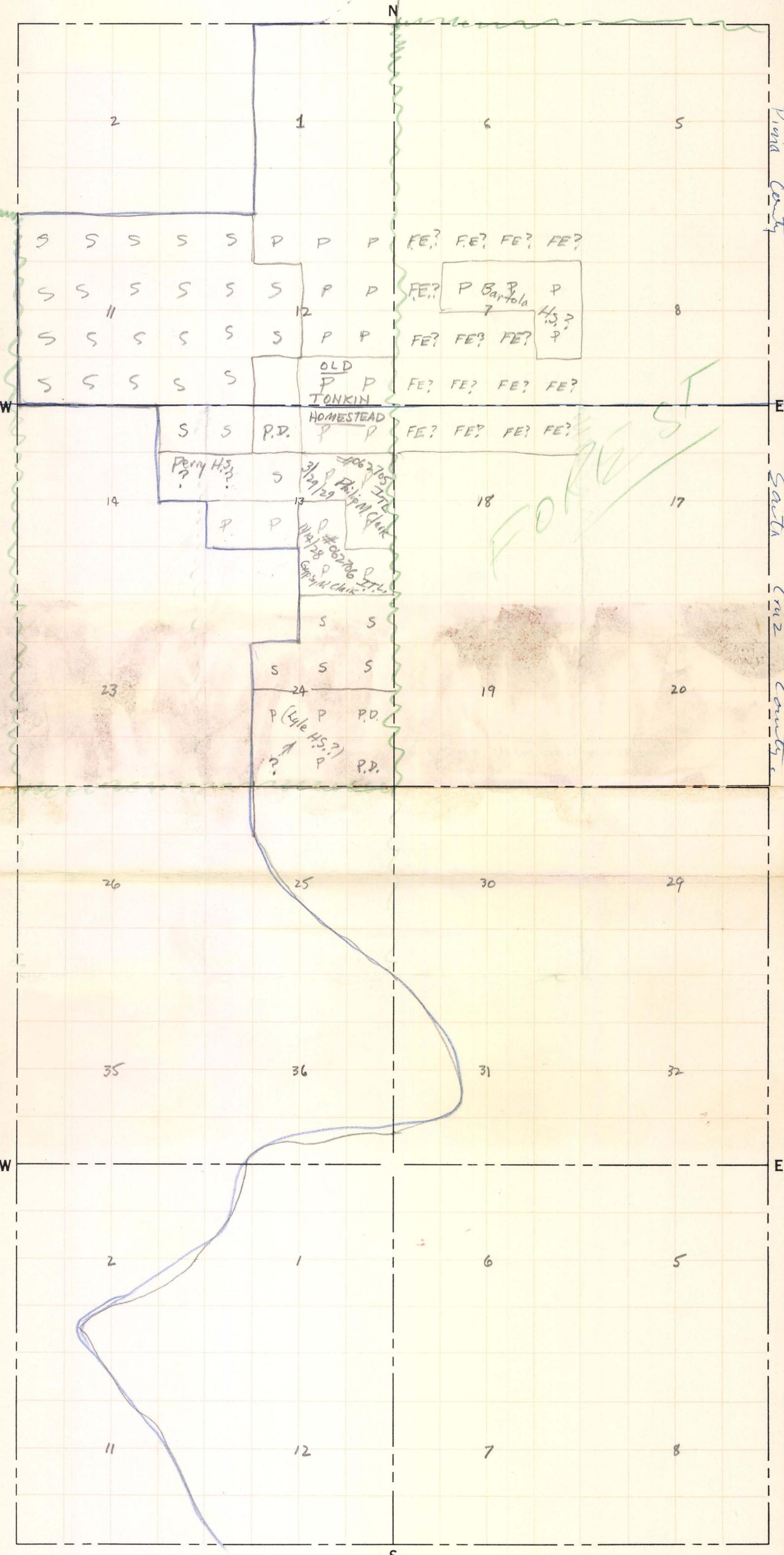
Date: 11/10/56

By: Norman Sackness Jr.

X-sect. sketch showing poss. vertical component of Displacement on Fault zone exposed on Mike Clark's #3 claim, where carucite was sorted out of soft fault material & left on dump.

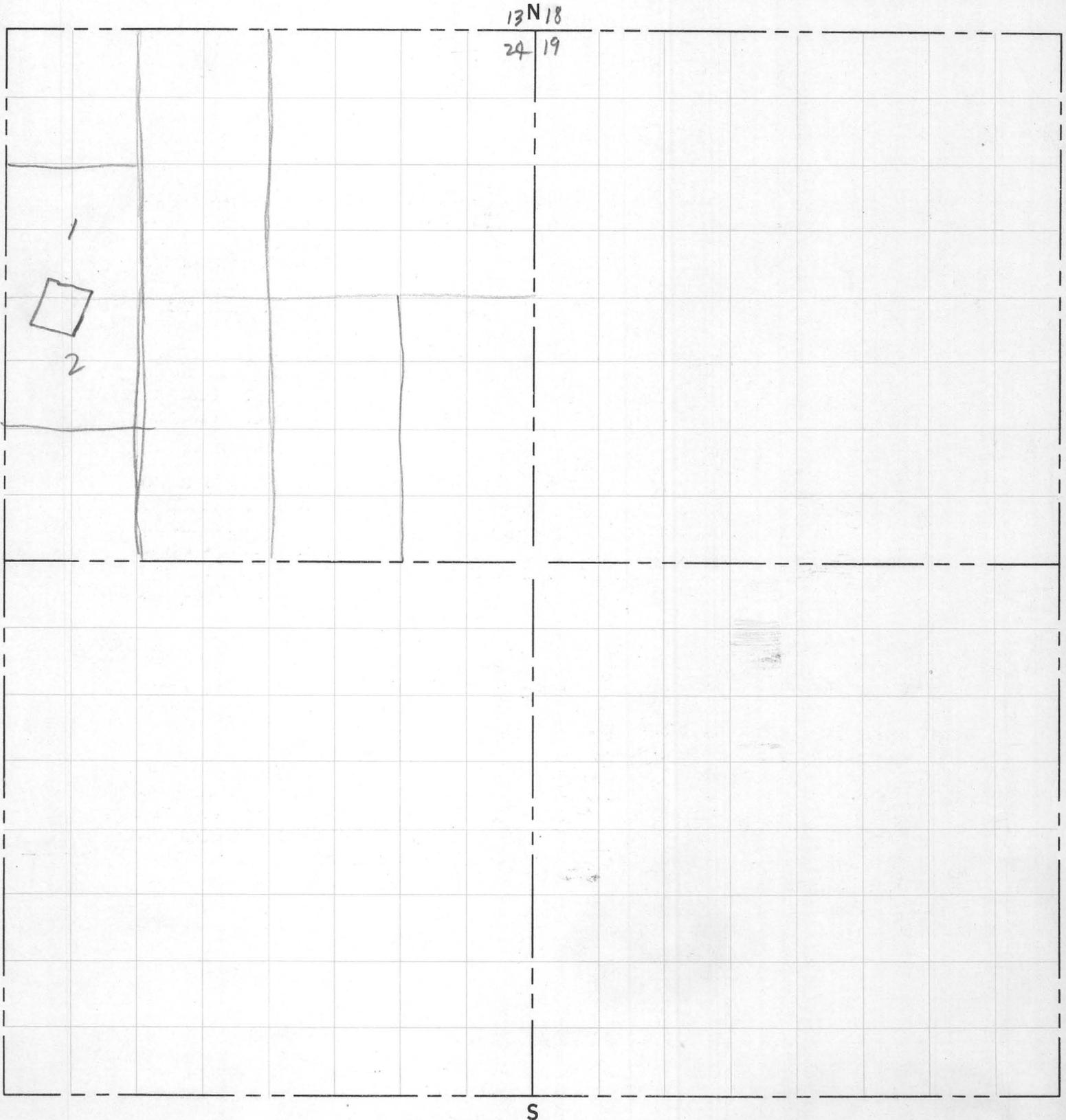
6/9/58

SCALE FOR SECTION, } Each side large blue squares = 20 chains, 80 rods, 1320 feet; area of square 40 acres.
660 Ft. = 1 Inch. } Each side small red squares = 5 chains, 20 rods, 330 feet; area of square 2 1/2 acres.



SCALE FOR QUARTER SECTION, } Each side large blue squares = 10 chains, 40 rods, 660 feet; area of square 10 acres.
330 Ft. = 1 Inch. } Each side small red squares = 2 1/2 chains, 10 rods, 165 feet; area of square .625 of 1 acre.

SCALE FOR SECTION, } Each side large blue squares = 20 chains, 80 rods, 1320 feet; area of square 40 acres.
 660 Ft. = 1 Inch. } Each side small red squares = 5 chains, 20 rods, 330 feet; area of square 2½ acres.



SCALE FOR QUARTER SECTION, } Each side large blue squares = 10 chains, 40 rods, 660 feet; area of square 10 acres.
 330 Ft. = 1 Inch. } Each side small red squares = 2½ chains, 10 rods, 165 feet; area of square .625 of 1 acre.

PRONTO LAND MEASURE 660 - 330 MAP SHEET

PRONTO LAND MEASURE

Copyright, 1950, James Hamilton Adair, Flint, Michigan

6/9/58

Cont. w/ Mike Clark WEH & NEE

1st Learn status to diff. land parcels & plot on Town. plats

Mike has Title Abstracts for Land

Obt. copies Lenon's 2" to mile (Area W end Santa Cruz Co.)

ITL = Isolated Tract Law

P.D. = Public Domain

Tonkin Homestead - Agricultural Homestead Mike has, no doubt about.

Johnny Hyle " in sec. 24

No state Lands below Co. Line

F.E. (Forest Exchange) - ? Mineral status uncert.?

Mike received in exchange deal w/ forest service for land he purchased in Chirichauas.

sec 7, Bartolo Homestead - real old - pat. sur. & min. good

Perry Homestead (in sec 13 & 14?) 160 A.

sec. 12, part Maloney Homestead, part Tonkin Homestead.

Include in contract ~~the~~ first refusal clause

Ideas for Terms on Deal

6/9/58

1. 1st refusal on all or any part of ranch
Anything w/in boundaries of Clark ^{Ranch} are subject to other terms of contract.
2. Discussed relative merits of royalty versus straight participation in profits
3. All parties recog. that there is Forest Land, State Land, Private Lands, Mining Claims (Pat & Un Pat.)
^{known &} poss. unknown H₂O rts
4. Will option ^{all} Ranch s. of the Co. Line for 1×10^6 \$
Mike wants 5 yr. period limit to ^{up to} $1, 2$ or 3×10^6 \$
5. Walt suggests payment of ^{max.} amt. out of Royalty $\frac{1}{2}$ then transfer title & deal consummated.
Mike will put title in escrow.
" satisfied w/ 2% override on smaller as well as larger type operation.
6. Mike willing to allow 6 mo free option time N Co. line
12 mo " " time on Oro Blanco ^{Pb Area}
18 mo " " " on fringe area
7. Mike to have access to records
8. For purposes of interpretation of intent

-
1. Mike would like to have a small ^(int. in profit only) carried interest which we could buy outright for a stipulated amt.
 2. Similar agreement to be negotiated w/ Boice Ranch (Mike has verbal int. in Boice Ranch Min. Rts.)
 3. Mike would like guaranteed amt. for eventualities of us dev. large overbd. which would not be mined for long time. (Guarantee price to be deducted from total royalty)

Mike wants this

4. Could exclude everything north of Co. line
" " w/in $\frac{1}{2}$ mi. Tonkin Well
" " " " Oro Blanco Dam
5. Mike says would take 3×10^6 for Ranch (65 sec. = roughly 36,000 A., makes price approx. \$75/A
In lieu of Take out price Mike understands he gets 2% Royalty

^{Pat}
Onⁿ land outside Clark Ranch Mike to
participate (2% int or royalty) in all staked
claims.

PRELIMINARY RECONNAISSANCE EXAMINATION

Date: 26 March 1957

By: Norman Eastmoore Jr. & John
W. Waite.

Name of Property: Edwards Mine

State: Arizona County: Pima

Location: Sec. 5 & 8, T 22 S, R10E District: Oro-Blanco @ Arivaca
3 Mi. so. of Arivaca

Date of this Report: April 3, 1957 By: Norman Eastmoore Jr.

Map & Aerial Photo Ref.: State Geology Map, USGS Topo Sheet Arivaca Quad.

Extent of Property: 10 claims, held by annual assessment work

Ownership (Name & Address): Tue. Ph Mal⁵⁶⁵⁵ Leased or Optioned to (Name & Address):
H. T. Edwards, owner since 1930's None

Facilities:

- (a) Accessibilities (Roads, Trails, ~~Auto road to claims~~): (f) Water: (for camp use) available from Mr. Edwards well @ his campsite.
- (b) Air Fields: Light plane strip (g) Labor; Probably miners available @ Arivaca ranch 3 mi E. of mine locally.
- (c) Power: (h) Climate: Semi-arid Elev. approx. 4000' +
- (d) Telephone: Available at Arivaca (i) Supply Source: Arivaca for light supplies and Nogales
- (e) Housing: 2 cabins on prospect, both livable. (j) Miscellaneous:

Type of Deposit: (Describe briefly under following headings; Structure, Lithology, Mineralogy, Stratigraphic conditions, Physiographic conditions, Reserves, Possible Extensions, Geology, Geophysics & Drilling):

What is visible on surface indicates a strong vein zone 5-20 ft. wide more or less continuously mineralized w/quartz lenses and showing free Au both in Fe oxides and in white quartz at numerous spots along an outcrop length of 3500' +. Cu mineralization shows at 2 spots on vein outcrop and Mr. Edwards reports that Cu & Pb mineralization increases w/depth. Vein walls are volcanic conglomerate & shale noted along one short stretch of vein outcrop.

Mine Workings: (Brief description of methods used, map to be attached if available)
One 650 ft. x-cut which Mr. Edwards reports in still in fault zone (but alongside of vein) near face. He showed us piece of drag(?) from this fault zone which showed Cu ox. minerals. One 240' drift under "Old Civilian" shaft. He reports 4' wide "solid" ore, w/ Cu & Pb sulphides in drift off old shaft 40 ft. below 240 ft. long level. Numerous other pits & shallow shafts which he has sunk by hand.

Production Data: (Past, present and possible future)
Small lots hand-sorted ore, reported to average \$100-250/ton. One car lot of 28 tons which Mr. Edwards reports would settle for \$250/ton at today's metal prices.

Sampling and Analysis: (By whom--Results)

3/18/57

Reach property by staying on left hand road after passing Coronado Forest boundary until road forks in bottom wash and takes right hand for to Mr. Edwards's claims.

Mrs. Edwards: Have Au, Ag, Cu & Pb property

Mr. Edwards worked developing property

50,000 to \$60,000 worth of work

3 miles south of Arivaca

Home address 2914 N. Stone Phone Ma 4-5655, Mrs. Edwards will be in.

10 claims Veins 2 20' wide

Vein system loc. 2-1/2 miles long outcrop cont. except where covered by conglomerate. E-W vein system reminds one of Montana at Ruby Wall rocks andesite, Edwards thinks. Quartz pushups 100-200 ft. wide. Tunnel 650' from which he has taken ore on outcrop above. 30-40 ft. Shafts S-W One outcrops 12 ft. deep, 4-1/2 ft. wide, from nothing at surface to 15 oz. Ag, 2-1/2 Cu., Few dollars Au.

Claim names Eagles 1-6 -- Ridge Runners 1-3 -- Outlet 1

Says that Dave Turberville ran hand mag. over property and predicted that ore was large and persisted to great depths on these claims.

Edwards contends that digging downward on barren quartz outcrops on this vein structure reveals increasing Cu values going down everywhere he has dug. Showed us very good specimen. Nature Au in quartz from this vein. Shipped one shipment 15% Cu, 30% Pb and about 50 oz. Ag/ton (\$273/ton for shipment of just a little over 6 tons.) Edwards has driven 650' tunnel by hand and says he has hit faulted zone w/drag Cu-Ag ore in it, but that ground is silicate and too hard to drill by hand and that he has spent \$8,000-10,000 on his wife's sickness in last 2 years and financially unable to quip and operate property. Has had it since early 1930's.

Desired terms expressed by Mr. Edwards 4-3-57

Very small interest all along rather than turn it over now for cash payment. \$350,00 overall outright cash sale.

\$5,000 cash with \$300,00 overall price, and guaranteed royalty of \$200 permonth.

Mr. Edwards mentions an old placer area (down in that County SW Arivaca?) where the stream bed has been dug up extensively, pitted and pocked with boulder piles and placer holes for distance of 100 yards. An old cowboy found some float boulders which all showed gold on panning and solicited Edwards help in locating vein. Edwards "costeanned" up hill by pulling up grass clumps and dusting dirt from roots and panning, gpt 20 + colors per pan (no water in area). Edwards thinks he found vein which he said outcropped as quartz vein.

Golden Eagles

5 TONS
RAIN 4 1/2 OZ Au
10 OZ Ag
3 1/2% Cu

12 FT deep
34-72 Au
15 1/2 OZ Ag
22570 Cu

Some ore TAN BOX (NEAR surface cuts)

#2. near surface
Some assays + \$1500 Ag
Some Cu & Ag

16' sample MY-CUT
\$13 Au
1 1/2% Cu
Tunnel 650'
165 FT VENT BACKS
175-240' STON

#6 Shear Zone
one car shipped FROM Tunnel
OR
ASSAYED 15 1/2% Cu } COP
old shaft } 30% Pb } NETTED
SPUNK UP OF } 43 OZ Ag } \$2800
IN Tibbets CUMBAR
Rept shaft
1.25 OZ Au

ASSAYED \$3700 Au Ag

ASSAYED \$40 Au Cu

\$30 Au, Ag & Cu

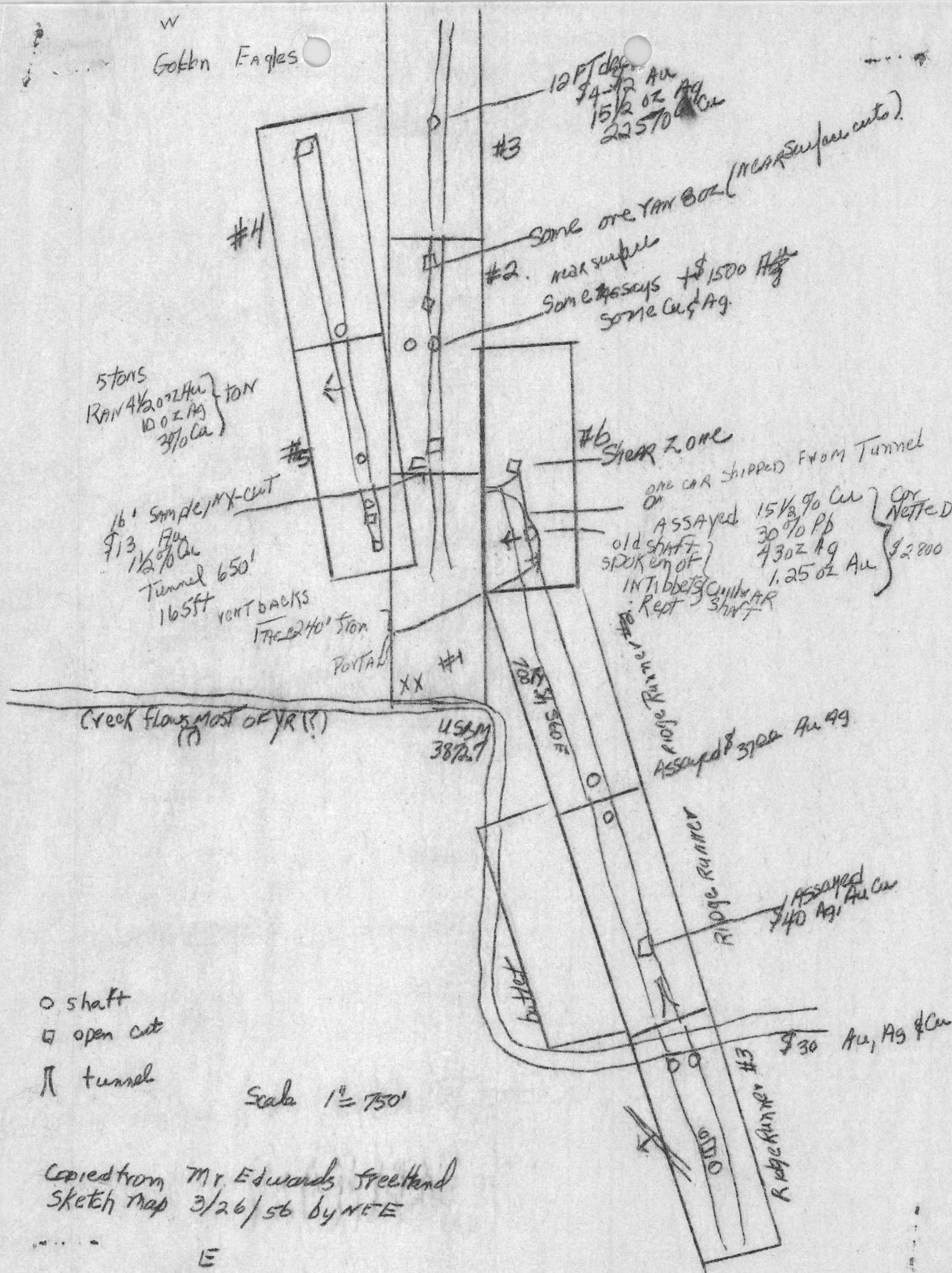
USAM
3872.7

- shaft
- open cut
- ∩ tunnel

Scale 1" = 750'

Copied from Mr. Edwards freetend
Sketch Map 3/26/56 by NEE

E



1 1/2 3 cc.
~~1 1/2 3 cc.~~

PRELIMINARY RECONNAISSANCE EXAMINATION

Date: March 26, 1956

By: Norman Eastmoore, Jr. & John Walte

Name of Property: Edwards Mine

State: Arizona County: Pima

Location: sec. 5 & 8, T22S, R10E
3 mi So. of Arivaca, Ariz.

District: Oro Blanco-Arivaca

Date of this Report: April 3, 1957

By: Norman Eastmoore, Jr.

Map & Aerial Photo Ref.:

State Geology Map, USGS Topo sheet, Arivaca Quad.

Extent of Property: 10 claims, held by annual assessment work

Ownership (Name & Address):

H. T. Edwards, owner since 1930's.

Facilities: Tucson Ph# MA 4-5655

Leased or Optioned to (Name & Address):

None

(a) Accessibilities (Roads, Trails, etc.):
By Auto Road to claims.

(f) Water: (For Camp use) available from Mr. Edwards well @ his campsite.

(b) Air Fields: Lt. plane strip @ Arivaca Ranch 3 mi E of Mine.

(g) Labor: Probably miners available locally.

(c) Power:

(h) Climate: semiarid
Elev. approx. 4000'.

(d) Telephone: Available @ Arivaca

(i) Supply Source: Arivaca for light supplies & Nogales

(e) Housing: 2 cabins on Prospect Both liveable.

(j) Miscellaneous:

Type of Deposit: (Describe briefly under following headings; Structure, Lithology, Mineralogy, Stratigraphic conditions, Physiographic conditions, Reserves, Possible Extensions, Geology, Geophysics & Drilling):

What is visible on surface indicates a strong vein zone 5-20 ft. wide more or less continuously mineralized w/ quartz lenses and showing free Au both in Fe oxides and in white quartz at numerous spots along an outcrop length of 3500 ft ±. Cu. mineralization shows @ 2 spots on vein outcrop & Mr. Edwards reports that Cu. & Pb. mineralization increases w/ depth.

Mine Workings: (Brief description of methods used, map to be attached if available)
Vein walls are Volcanic Conglomerate & shale noted along one short stretch of vein outcrop.

One 650 ft. x-cut which Mr. Edwards reports is still in fault zone (but alongside of vein) near face. He showed us piece of drag(?) from this fault zone which showed Cu. ex. minerals. One 240' drift under "old Civil War" shaft. He reports 4' wide "solid" ore w/ Cu & Pb sulphides in drift off. old shaft 40 ft. below 240 ft. long level. Numerous other pits, & shallow shafts which he has sunk by hand.

Production Data: (Past, present and possible future)

Small lots hand sorted ore, reported to average \$100-250/ton. \$
1 carlot of 28 tons which Mr. Edwards reports would settle for 250/ton @ today's metal prices.

Sampling and Analysis: (By whom--Results)

Eagles 1-6
Ridge Runners 1-3
Outlet 1

} claim names.

says that Dave Turberville ran hand mag. over property & predicted that ore was large & persisted to great depths on these claims.

Edwards contends that digging downward on barren qtz. outcrops on this vein struct reveals increasing ^{Cu} values going down everywhere he has dug. showed us very good spec. Native Au in qtz. from this vein. Shipped one shipment 15% Cu, 30 Pb, & about 50 oz. Ag/ton. (\$273/ton. for ship. of just a little over 6 tons.)

Edwards has driven 650' tunnel by hand & says he has hit faulted zone w/ drag Cu-Ag ore in it, but that ground is silici. & too hard to drill by hand, & that he has spent \$8-10,000 on his wife's sickness last 2 yrs & financially unable to equip & operate property. Has had it since early 1930's.

3/18/57

Reach prop. by staying on lefthand road after passing Coronado Forest boundary until road forks in bottom Wash & take rt. hand fork to

Mrs. Edwards his Claims

Have Au, Ag, Cu & Pb. prop.

Mr. Edwards worked dev. prop. \$50-60,000 worth of work.

3 miles S. of Arivaca.

2914 N Stone.

Ph. # ^{MA} 4 5655 & his wife will be in.

10 claims -

Veins - 2-70' wide

E-W vein sys. reminds one of Montana @ Ruby. Wall rks - Andesite? Edwards thinks.

" system loc. 2 1/2 miles long outer. cont. except where covered by conglomerate.

Qtz pushups 100-200 ft. wide.

Tunnel, 650' from which he has taken ore on outcrop above.

30-40' ft shatts. sev.

one outcrop } - 12' ft. deep - 4 1/2' wide, 150z. Ag, 2 1/2 Cu. From nothing @ surt. to Few dollars Au.

Desired terms offered Mr. Edwards ~~was in~~.

4/3/57

Terms
Edwards
Wants

Very small int. all along rather turn it over now. for cash payment.

\$350,000 overall outright cash sale.

\$5000 cash $\frac{1}{3}$ \$300,000. overall price. $\frac{2}{3}$ guaranteed royalty of \$200/mo.

Mr. Edwards mentions an old placer area (down in that country SW Arivaca?) where the stream bed has been dug up extensively, pitted $\frac{1}{2}$ pocked w/ boulder piles $\frac{1}{2}$ placer holes for dist. of 100 yds. An old cowboy found some float boulders which all showed gold on panning $\frac{1}{2}$ solicited Edwards help in locating vein. Edwards "costeamed" up hill by pulling up grass clumps $\frac{1}{2}$ dusting dirt from roots $\frac{1}{2}$ panning - got 20 \pm colors per pan. (No water in area). Edwards thinks he found vein which he said outcropped as qtz vein.

PRELIMINARY RECONNAISSANCE EXAMINATION

Date: 4/21/56

By: Norman Eastmoore, Jr.

Name of Property: Tonkin claims
(See USGS Topo Arivaca Sheet)

State: Arizona

County: Santa Cruz

Location: North 1/2 sec 13, T22S,
R11E. E side hill, 1/4 mi S Tonkin well.

District: Oro Blanco

Date of this Report: 4/21/56

By: Norman Eastmoore, Jr.

Map & Aerial Photo Ref.:

Extent of Property: Two full size
unrecorded lode claims.

Ownership (Name & Address):

Leased or Optioned to (Name & Address):

Mike Clark, Arivaca, Ariz.

None

Facilities:

(a) Accessibilities (Roads, Trails,
1/4 mi hillside foot trail etc.):
from Tonkin well

(f) Water: Tonkin Well

(b) Air Fields:

(g) Labor:

None

(c) Power: None

(h) Climate:

(d) Telephone: Clark Ranch house

(i) Supply Source: Nogales or Tucson

Ph. # 2000 F-22, Nogales Exchange

(e) Housing: None

(j) Miscellaneous:

Type of Deposit: (Describe briefly under following headings; Structure, Lithology, Mineralogy, Stratigraphic conditions, Physiographic conditions, Reserves, Possible Extensions, Geology, Geophysics & Drilling):

Pyrolusite and psilomelane filling fractures in rhyolite. Deposit ave. 4-5 inches wide through 300 ft exposed interval. One fracture strikes N 60 W and dips 30 deg N. A second parallel outcropping fracture 50 ft to the South seems to dip about 50 deg N.

Rhyolite was the only formation observed in the area visited.

Mine Workings: (Brief description of methods used, map to be attached if available)

Several shallow open cuts along outcrop, of one mineralized fracture.

Production Data: (Past, present and possible future)

None

Sampling and Analysis: (By whom--Results)

One 5 lb grab sample taken from hand-sorted ore pile beside open cut furthest up hill. (Not assayed). Mike Clark reports that a sample he had assayed went 51.0% Mn, which is probably representative of the grade of hand sorted material obtainable from this deposit.

Mining Equipment on Property:

None

Mill Equipment on Property:

None

Misc. Equipment on Property:

None

Camp Facilities:

None

Ore Reserve Estimates:

None estimated on basis of scant information.

Recommendations and Conclusions:

Mr. Clark plans to sink a few feet where an 18-inch wide streak of manganese ore seems to be widening downward. Because of the limited potential here I recommend that no further action be taken beyond learning of the results of the work mentioned above when it is completed by Mr. Clark.

References: (Bibliography, Maps, Former Workers or Engineers)

Ariz. State Geol. Map.

Respectfully,

Norman Eastmore, Jr.

Norman Eastmore, Jr.

PRELIMINARY RECONNAISSANCE EXAMINATION

Date: 4/21/56

By: Norman Eastmoore, Jr.

Name of Property: Tonkin claims
(See USGS Topo Arivaca Sheet)

State: Arizona

County: Santa Cruz

Location: North 1/2 sec. 13, T 22 S, District: Oro Blanco
R 11 E. E side hill, 1/4 mi S Tonkin well.

Date of this Report: 4/21/56

By: Norman Eastmoore, Jr.

Map & Aerial Photo Ref.:

Extent of Property: Two full size
unrecorded lode claims.

Ownership (Name & Address):
Mike Clark, Arivaca, Ariz.

Leased or Optioned to (Name & Address):
None

Facilities:

(a) Accessibilities (Roads, Trails,
1/4 mi hillside foot etc.):
trail from Tonkin well.

(f) Water: Tonkin Well

(b) Air Fields:
None

(g) Labor:

(c) Power: None

(h) Climate:

(d) Telephone: Clark Ranch house
Ph. 2000 F-22, Nogales Exchange

(i) Supply Source: Nogales or Tucson

(e) Housing: None

(j) Miscellaneous:

Type of Deposit: (Describe briefly under following headings; Structure, Lithology,
Mineralogy, Stratigraphic conditions, Physiographic conditions,
Reserves, Possible Extensions, Geology, Geophysics & Drilling):

Pyrolusite and psilomelane filling fractures in rhyolite. Deposit ave.
4-5 inches wide through 300 ft exposed interval. One fracture strikes
N 60 W and dips 30 deg N. A second parallel outcropping fracture 50 ft
to the South seems to dip about 50 deg. N.

Rhyolite was the only formation observed in the area visited.

Mine Workings: (Brief description of methods used, map to be attached if available)
Several shallow open cuts along outcrop, of one mineralized
fracture.

Production Data: (Past, present and possible future)
None

Sampling and Analysis: (By whom--Results)

One 5 lb grab sample taken from hand-sorted ore pile beside open cut
furthest up hill. (Not assayed). Mike Clark reports that a sample he had
assayed went 51.0% Mn which is probably representative of the grade of hand
sorted material obtainable from this deposit.

Mining Equipment on Property:

None

Mill Equipment on Property:

None

Misc. Equipment on Property:

None

Camp Facilities:

None

Ore Reserve Estimates:

None estimated on basis of scant information.

Recommendations and Conclusions:

Mr. Clark plans to sink a few feet where an 18-inch wide streak of manganese ore seems to be widening downward. Because of the limited potential here I recommend that no further action be taken beyond learning of the results of the work mentioned above when it is completed by Mr. Clark.

References: (Bibliography, Maps, Former Workers or Engineers)

Arizona State Geol. Map.

Respectfully,

Norman Eastmoore, Jr.

PRELIMINARY RECONNAISSANCE EXAMINATION

Date: 4/21/56

By: Norman Eastmoore, Jr.

Name of Property: Tonkin claims
(See USGS Topo Arivaca Sheet)

State: Arizona County: Santa Cruz

Location: North 1/2 sec. 13, T 22 S,
R 11 E, E side hill, 1/4 mi S Tonkin well.

District: Oro Blanco

Date of this Report: 4/21/56

By: Norman Eastmoore, Jr.

Map & Aerial Photo Ref.:

Extent of Property: Two full size
unrecorded lode claims.

Ownership (Name & Address):

Leased or Optioned to (Name & Address):

Mike Clark, Arivaca, Ariz.

None

Facilities:

(a) Accessibilities (Roads, Trails,
1/4 mi hillside foot etc.):
trail from Tonkin well.

(f) Water: Tonkin Well

(b) Air Fields:

(g) Labor:

None

(c) Power: None

(h) Climate:

(d) Telephone: Clark Ranch house
Ph. 2000 F-22, Nogales Exchange

(i) Supply Source: Nogales or Tucson

(e) Housing: None

(j) Miscellaneous:

Type of Deposit: (Describe briefly under following headings; Structure, Lithology, Mineralogy, Stratigraphic conditions, Physiographic conditions, Reserves, Possible Extensions, Geology, Geophysics & Drilling):

Pyrolusite and psilomelane filling fractures in rhyolite. Deposit ave. 4-5 inches wide through 300 ft exposed interval. One fracture strikes N 60 W and dips 30 deg N. A second parallel outcropping fracture 50 ft to the South seems to dip about 50 deg. N. Rhyolite was the only formation observed in the area visited.

Mine Workings: (Brief description of methods used, map to be attached if available)

Several shallow open cuts along outcrop, of one mineralized fracture.

Production Data: (Past, present and possible future)

None

Sampling and Analysis: (By whom--Results)

One 5 lb grab sample taken from hand-sorted ore pile beside open cut furthest up hill. (Not assayed). Mike Clark reports that a sample he had assayed went 51.0% Mn which is probably representative of the grade of hand sorted material obtainable from this deposit.

Mining Equipment on Property:

None

Mill Equipment on Property:

None

Misc. Equipment on Property:

None

Camp Facilities:

None

Ore Reserve Estimates:

None estimated on basis of scant information.

Recommendations and Conclusions:

Mr. Clark plans to sink a few feet where an 18-inch wide streak of manganese ore seems to be widening downward. Because of the limited potential here I recommend that no further action be taken beyond learning of the results of the work mentioned above when it is completed by Mr. Clark.

References: (Bibliography, Maps, Former Workers or Engineers)

Arizona State Geol. Map.

Respectfully,

Norman Eastmoore, Jr.

RECONNAISSANCE OF THE BAR-V-BAR RANCH AREA

ARIVACA, ORO BLANCO DISTRICT, ARIZONA

JUNE 1952

Reports of possible good grade lead ore from a remote and inaccessible area near the Mexican border west and south of Ruby, Arizona, were presented by Mr. Jack Rubel. Samples of the ore were of sufficient interest to warrant an inspection of the area.

Mr. Mike Clark, on whose ranch property the inspection was made, furnished horses and accompanied W. T. Griswold and W. E. Heinrichs on the trip.

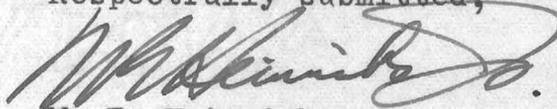
Approximately 10 square miles were covered. The area is extremely rugged and consists of a series of complex intrusives and extrusives oriented NW-SE into a parallel broad structural pattern, occasionally broken by NE-SW trending faulted offsets. Two main types of mineralization were noted. One occurred in intermittent and space fashion in the frequent but narrow, bull quartz veins and the other as fairly prominent leached outcrops along fault zones or possibly small intrusive plugs.

By geologic analogy and proximity, the area should hold some hope for deposits similar to the Montana Mine at Ruby, however nothing seen exhibited near the same surface evidence. All of the siliceous veins or dikes were relatively pure, tight and rather small and discontinuous. The leached zones are of some interest in that they have been associated with most of the metal production (except the Montana) in the area. This has been chiefly gold and silver from such properties as the following:

1. Old Oro (El Oro): A rather prominent vein type, well mineralized showing some galena, chalcopryrite and considerable pyrite. This has possibilities except that the ground is patented. Ownership will be investigated.
2. Warsaw Mine Area: Several leached zones all high in pyrite, but very little lead zinc or copper at depth.
3. Border Line Silver Mine: At the corner between sections 25 and 30 T23S, R10-11E a small mineralized breccia dike.

Water supply, accessibility, type of geology and mineralization indicate that this would be a tough area to work. No good geophysical application was seen but additional appraisal would be necessary. Several places might warrant drilling at some future date, but this is not recommended at this time.

Respectfully submitted,



W. E. Heinrichs, Jr.
Exploration Engineer