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MONT DE LION MINING COMPANY

SANDOVAL COUNTY, NEW MEXICO.
COCHITI MINING DISTRICT

By W.H.Blackburn,
May 3, 1921.

T.L.

REPORT ON

MONT DE LION MINING COMPANY.

NAME

Mont de Lion Mining Company.

LOCATION

Cochiti (or Bland) Mining District, Sandoval County, New Mexico. Nearest postoffice Bland, about four miles to the north. Nearest railroad point is Domingo (formerly known as Thornton or Wallace) on the Atchison, Topeka & Santa Fe Railway situated about seventeen miles to the southeast.

CLAIMS AND AREA

Twelve mining claims, a townsite, millsites, water and timber rights make up the holdings that were under option to the Tonopah Mining Company.

The Lion No. 1, Lion No. 2 and Lion No. 3 are located in Victor Gulch several miles from the main acreage on Peralta Gulch. These claims were not visited as there was no one to show them.

The A No. 1, Peralta Lion No. 1, Peralta Lion No. 2, Peralta Lion No. 3, Peralta Lion No. 4 and Peralta Lion No. 5 lie parallel with and to the south of Peralta Gulch.

The Aunt Betsy, Great Western and Governor ~~is~~ roughly parallel with and to the north of Peralta Gulch. The Gov. ~~may~~ may be at a cross vein or break.

The Mont de Lion townsite covers the Peralta Creek bottom between the above groups.

The Millsites were not located or examined.

Water right filings under the New Mexico water law have been initiated.

The mineral zone on the north side of Peralta Gulch is protected for 3000 feet while the zone south of the gulch is protected for 6000 ft. About 420 acres in all is claimed.

OWNERSHIP AND TITLE

All claims are held by location, none of the ground being patented. At present the workings covered by the Governor are also claimed by Arthur Knaebel and G. S. Ostander under the Teddy No. 1. These parties have four other locations on ground supposedly covered by the Mont de Lion townsite. Knaebel and Ostanders old claimsite is covered by their Toby or "Z 3" claim. There may be some discussion as to who owns the Peralta Creek bottom.

The exact status of the Mont de Lion acreage will not be known until patent proceedings are instituted and carried as far as the advertising stage. During the advertising stage adverse suits will be filed if any one else has a claim to the ground.

The above claims are now owned by the Mont de Lion Mining Company organized under the laws of the State of New Mexico with a capital of \$250,000.00. George de Lion is President, O. A. Burtner, Secretary, and F. C. Burtner, Treasurer. A small amount of stock has been

issued and the control rests with George de Lion. Whether there is any treasury stock remaining I am not prepared to say.

HISTORY

The Aunt Betsy, Great Western and Governor were formerly owned by John B. Marsten and are locations of several years standing. They were acquired by de Lion in September, 1920. The other claims are mostly relocations dated January 1, 1921, which is peculiar seeing that the Tonopah Mining Company option was signed January 3, 1921. It is doubtful whether the work done on the A. No. 1 and Peralta Lion Group by previous owners will apply as patent work due to the relocation.

All the properties have been bonded at different times to outside capital but no great amount of work done.

FACILITIES

Transportation. The distance from Domingo on the A.T. & S.F. Railway is 17 miles. Practically a new road would have to be constructed up Peralta Canyon at a cost of not less than \$10,000.00. The grade would be light with no summits. From Peralta Canyon to Bland a trail only would be maintained. Climate will not interfere with operations.

Power. The property is a long distance from operating power lines. The water flowing down Peralta and Cholla Canyons is not sufficient for power purposes but would be enough for milling and domestic uses. Wood fuel could be used for steam but the timber is more valuable for other purposes. The Albemarle Company, located

near Bland, generated electricity with coal at Madrid and transmitted it about twenty-five miles to the works. These lines are now dismantled.

Timber. The Mont de Lion is situated upon a United States timber reserve. The timber upon the claims would be free for use but that from the reserve would cost \$1.50 per thousand. The varieties are spruce and yellow pine, suitable for lumber and mining work and in large quantity.

Labor. Mexican and Indian labor might be employed but it is probable that this class of labor will only be efficient in proportion to the wages paid.

Climate. Good.

TOPOGRAPHY

Rugged. The claims on the south side of Peralta Canon might be worked by tunnels but those to the north will require shafts. The Peralta Canon is rather narrow and the location of buildings would need to be carefully chosen in order to escape damage by floods. No snow slides take place.

GEOLOGY

The general geology given by the U. S. Geological Survey for the Cochiti District is monzonite capped with a rhyolite flow. The canons of the district have cut down thru both rhyolite and monzonite, exposing the veins which are located in the monzonite only.

Locally the monzonite is much fractured and along the

fracturing veins have been formed by replacement. No intrusive dikes were observed near the vein outcrops.

ORE OCCURRENCE

The values are so small that it is difficult to determine of just what the mineralization consists. The gangue is quartz replacement in monzonite. Fracturing with the vein runs north-south with a dip to the east in the Aunt Betsy and Great Western and a dip to the west in the Peralta Lion group. Very little evidence of faulting or cross slips.

On the Aunt Betsy there is a prominent outcrop near the south end. This outcrop weakens going north until the common endline between the Aunt Betsy and Great Western is reached, when another prominent "blow-out" occurs. The vein system probably extends thru both claims.

The vein on the Governor has a northeast-southwest trend and dips to the northwest. It is probably a branch or crossing between the two main fracture systems. Samples on the Governor gave the highest results obtained in spite of this vein not being regarded as the important one.

On the Peralta Lion group the outcrop is not so prominent tho it can be traced thru Peralta Lion Nos. 1, 2, 3 and 4 and especially at the crossing with New York and Ivanhoe Gulches. At New York Gulch the fracturing in the monzonite is especially prominent.

DEVELOPMENT

Considering the acreage, very little development work has been done and that little in the wall rock instead of in the hard vein quartz. No crosscutting of the entire vein width has been done.

It is impossible from present development to judge vein conditions or what might occur with deeper development. The history of the veins worked thirty years ago in the Cochiti District is that they started with less than \$10.00 values for mill heads on small tonnages and within 300 feet fell off to \$3.00 values. The Albemarle outcrop is said to be similar in size and appearance to the Aunt Betsy-Great Western outcrop.

Near the south end of the Aunt Betsy a tunnel was driven west toward the Aunt Betsy vein the last 11 feet being in vein material. Samples Numbers 223 and 224 were taken at this point. From this crosscut drifting along the hanging wall of the vein was done and for a part of the 106 feet of tunnel the vein is exposed. Samples numbers 225, 226 and 227 were taken along this work.

Toward the north end of the Aunt Betsy a crosscut tunnel (upper tunnel) has apparently gone clear thru the vein about 82 feet vertically below where samples numbers 218 and 219 were taken on the surface. The quartz was very strong where numbers 218 and 219 were taken but in the tunnel the quartz was much less pronounced. That it is the same vein in both places is shown by the soft purple colored hanging wall rock noted both on surface and underground. Samples numbers 216, 217, 218, 229, 230 and 231 were taken in this vicinity with negative results. The upper Aunt Betsy tunnel in all is 169.5 feet long with the last 23 feet in a very heavy tale that indicates faulting with the direction of the slight quartz deposition. On the surface are two cuts of small dimensions. No values of consequence in any of the Aunt Betsy samples.

On the Great Western a tunnel having in all 71 feet of drifting and crosscutting at a shallow distance below the surface exposes the vein at one point (Sample No. 214) for 8 feet. Several stringers in other parts of the tunnel do not look promising. A small surface cut to the north of this tunnel completes the work on the Great Western. No values in either tunnel or cut as shown by samples 213 and 214.

Considerable work has been done by someone on the Governor. In both upper and lower tunnels 215.3 feet of drifting and crosscut work was measured up. This vein has the highest values of any encountered on the Mont de Lion property, as shown by samples 220, 221, 222, 232 and 233, the last two being \$8.00 in gold and silver over fair widths but still are too low grade.

The A No. 1 claim has two tunnels aggregating 181 feet. The upper tunnel has 126.5 feet of work and in this tunnel samples numbers 208, 209, 210 and 211 were taken. No values of consequence. At the mouth of the upper tunnel is an incline shaft, now caved, said to have 150 feet of crosscutting at the 50 foot point. The lower tunnel shows a strong break but no quartz or vein material.

On the Peralta Lion No. 1 is a tunnel 46 feet long with 10 feet of crosscutting at the middle point. Sample No. 212 was taken at the mouth of this tunnel but no values were encountered. A small cut a few feet to the east of the tunnel completes the work on Peralta Lion No. 1.

On Peralta Lion No. 2 a tunnel has been driven south from near the north end line in New York Gulch. This tunnel has 206 feet of drifting and crosscutting with a shaft near the entrance (inaccessible) and an 80 foot winze near the face. The winze shows the vein to

pitch steeply to the west. Samples numbers 200, 201, 202, 203, 204, 205 and 206 were taken in this tunnel with unfavorable results.

On the north side of New York Gulch on the Peralta Lion No.3 are two small cuts and a tunnel 75 feet long approached by an open cut 25 feet long. As there was no vein material in the fracturing no samples were taken.

Two short tunnels on either side of Ivanhoe Gulch, on Peralta Lion No.4, complete the development work on the Mont de Lion in the Peralta Gulch. In the Victor Gulch claims I am informed that a 150 foot tunnel was driven for development purposes. Peralta Lion No. 5 simply covers the junction of New York and Peralta Canons, Marston's former camp site.

SAMPLING

No outcrops were sampled as they are very irregular and ragged. Where openings had been made across the vein samples were taken. Samples of 25 to 75 pounds were taken, broken up and quartered to 5 pounds. Length of samples not over 10 feet.

ORE RESERVES

None.

CONCLUSIONS

While the Mont de Lion has many natural advantages which would aid operating, the gold-silver values are too low to ever make a profitable venture. The history of the Cochiti District lying to the north did not show one profitable operation and the failure cannot be charged entirely to mismanagement.

Assay list and a sketch map showing approximate position
of claims is included with this report.

W. H. Blumhagen

ASSAY LIST - Mont de Lion Property.

<u>No.</u>	<u>Width</u>	<u>Ounces Gold</u>	<u>Ounces Silver</u>	<u>Description</u>
200	5.0 ft.	Tr.	.16	Mixed quartz and porphyry, Peralta Lion No. 2 tunnel.
201	3.7 "	"	.06	White quartz Peralta Lion No.2 tunnel.
202	4.3 "	"	.30	Soft white quartz & porphyry "
203	7.0 "	"	.40	White quartz boulders and soft material Peralta Lion No.2 tunnel.
204	4.2 "	"	.28	Mostly opal quartz Peralta Lion No.2 tunnel.
205	5.0 "	"	.35	Bouldery white quartz and clay "
206	4.0 "	"	.20	" " "
207	3.0 "	"	.52	Quartz and soft material "
208	2.5 "	"	2.20	Brown quartz and soft material upper tunnel A No.1.
209	7.0 "	"	.20	Quartz seams and porphyry upper tunnel A No. 1.
210	5.0 "	"	.52	Quartz, upper tunnel A. No. 1.
211	3.0 "	.04	5.70	White quartz & porphyry upper tunnel A1.
212	3.5 "	Tr.	.20	Quartz in mouth Peralta Lion No.1 tunnel
213	3.5 "	"	.40	Face of cut in outcrop Great Western.
214	7.2 "	"	.10	Quartz and porphyry Great Western tunnel
215	6.0 "	"	.44	Hard quartz hanging wall side Aunt Betsy outcrop.
216	5.2 "	"	.10	Soft, crushed and weathered material Aunt Betsy outcrop lies next east of No. 215.

<u>No.</u>	<u>Width</u>	<u>Ounces Gold</u>	<u>Ounces Silver</u>	<u>D e s c r i p t i o n .</u>
217	7.0 ft.	Tr.	.32	Hanging wall quartz Aunt Betsy outcrop.
218	5.2 "	"	.12	" "
219	3.5 "	"	.12	Quartz and porphyry lies west of #218 Aunt Betsy outcrop.
220	4.7 "	"	.20	Face south drift lower Governor tunnel.
221	2.0 "	"	.12	In " "
222	4.5 "	"	2.20	Face drift N.E. upper Governor tunnel.
223	6.0 "	"	.16	Decomposed quartz and porphyry lower Aunt Betsy tunnel.
224	5.0 "	"	.12	Hard quartz next west No. 223 lower Aunt Betsy tunnel.
225	3.7 "	"	.16	Sandy white quartz lower Aunt Betsy tun.
226	3.2 "	"	.06	Pure " "
227	3.7 "	"	.56	" " "
228		"	.16	Test of hanging wall "
229	10.0 "	"	.28	Cut west of gouge upper Aunt Betsy tun.
230	10.0 "	"	.06	Cut west of No.229 "
231	1.2 "	"	Tr.	Talc or gouge "
232	5.3	.16	4.84	Open cut south of upper Governor tunnel.
233	3.7	.14	4.86	Open cut south of upper Governor tunnel and continues No.232 to west.

MINE	DATE
#100 Au tr 4.16	5ft - soft white quartz & porphyry on north side of tunnel 20ft from tunnel P.L. m r tunnel
#201 Au tr Ag .06	3.7 Odd white quartz P.L. m r tunnel
#202 Au tr Ag .30	4.3 Soft white quartz & porphyry
#203 Au tr Ag .40	7.0ft. white quartz boulders & soft material
#204 Au tr Ag .28	4.2ft mostly opal quartz
#205 Au tr Ag .36	5ft Bouldery white quartz with voids & clay,
#206 Au tr Ag .20	4ft " "

vertical foot

m r

may



MINE

DATE

207
An to
Ag .56

3.0 ft. quartz + soft material as
a filling between two tunnels

208 A
An to
Ag 2.2

2.5 ft. brown quartz + soft material
upper tunnel #1

209
An to
Ag .20

7 ft. quartz + some porphyry.

210
An to
Ag .52

5 ft. - Considerable quartz. Some
porphyry.

211
An .04
Ag 5.7

3 ft. - White quartz + porphyry

212
An to
Ag .20

3.5 ft. mouth of Perilla from No. 1 tunnel

213
An to
Ag .40

3.5 ft. face of cut on Great Western
Practically outcrop.

MINE

DATE

Au Tr

Ag .10

215
Au Tr

Ag .44

216
Au Tr

Ag .10

217
Au Tr

Ag .32

218
Au Tr

Ag .12

219
Au Tr

Ag .12

220
Au TrAg 2.2
Au Tr

Ag .20

6 ft Hard quartz on hanging wall of
outcrop as shown by open cut at
Aunt Betty blow out.

Blow out about 50 ft wide by 200
ft long

5.2 - Soft crushed & weathered material on hanging side of Aunt Betty blow out. Contains some mg.
Lies east of #215

7.0 - Hanging wall quartz on Aunt Betty outcrop. Contains blue spots in white quartz, iron oxd. Not a very thorough cut.

5.2 across face of cut exposing hanging wall quartz of Betty blow out.
Pitch seems to be slight to east.

About 15 ft hard brown black streak on hanging wall to east of the rest of sample was white quartz & pyrite.

3.5 ft. Quartz & porphyry. Lies to west of 218.

4.7 face south of Lower Governor Tunnel. Rabbly quartz on foot. 1 ft hard blue on hanging

MINE

DATE

221 Au tv 2.2 in lower tunnel, Bessy material

Aq .12

222 Au tv 4.5 ft face upper tunnel, drift
Aq 2.2

223 Au tv 6 ft Old, decomposed quartz +
Aq .16 Porphyry. Some mg.

224 Au tv 5 ft Hard quartz with some mg
Aq .12 lies west of #223 in vein

225 Au tv 3.7 Sandy white quartz, yellow stain
Aq .16 + mg in small amounts.

326 Au tv 3.2 Pure white quartz. Porous
Aq .06 + open ground

327 Au tv 3.7 Same material as #326
Aq .56

Lower Aunt Bessy Tunnel

MINE

DATE

4/22/21

222

Au tv

Test of hanging wall material east of 222

Ag .16

Lower Aunt Betty tunnel

Lower Betty Tunnel

227

Au tv

10ft cut diagonal across vein starting at gorge in upper Aunt Betty tunnel. Not much quartz. Should be Aunt Betty vein

Ag .28

230

Au tv

10ft cut diagonal across vein in upper Aunt Betty tunnel, very little quartz. Extends to 229 westerly along side of tunnel

Ag .06

231

Au tv

15" late on main fault break.

Ag tv

Probably same material in hanging of vein as taken in sample #216. Has a pinkish color + the rock further east becomes more readily

232

Au .16

Ag 4.84

5.3 In south side open cut that is 45ft south of Governor's upper tunnel. Reddish stains + old

233

Au .14

Ag 4.86

3.7 Hanging wall of vein in cut 45ft south of Governor's upper tunnel. Teddy M. claims same working. Lies in hanging of #232. Has quartz than 232 + very old

MINE

Mont de Lion

DATE

4/14/21

The ore sent from the mine
 Ass. 0.52 ag 14.05

Gravitation 0.13
 Ag 30.5

On Compton 1917 the ore was fine.

#3 Mont de Lion

gravel ass 0.36 Ag 0.32

95% Ag in 24 lbs with 12 lbs Cu

One was a silver in the other gold.

John R. Marston

7131 Compton Ave.

Los Angeles

301 - E 8th St.

Geo de Lion

405 A. Stover

Albuquerque

71

90% Central Ave

MINE

Mont de Lion

DATE

4/14/21

Peralta Canons, Cochise Dist,
Sandoval Co. 744-444, about
450 acres. Claims as follows:
Lion No 1, Lion No 2, Lion No 3, Aunt
Betsey, Great Western, A No 1,
Peralta Lion No 1, Peralta Lion No 2,
Peralta Lion No 3, Peralta Lion No 4,
Peralta Lion No 5 and Governor

Also the Mont de Lion Town-site
together with certain waterpowers &
timber rights, together with mill sites.

An option to J. M. Co for 6
months from date of agreement which
is Jan 30-1921. This period for
examination & development of
ore.

If approved after examination
notice in writing on or before 6 mos
from date & organize a company
with \$100000.00 which is to be
the minimum capital to be invested
by J. M. Co & Mont de Lion company
will execute a lease of all mining

MINE

DATE

Monte de Lion (1921)
Claims, waterpower, timber, etc. and
all + minerals for 99 years. Mont
de Lion to proceed to petition claims.
with statements. J. M. Co. to

put up a 100 ton plant as soon
as lease is signed. also provide
waterpower or other power. Construct
saw mill, Construct warehouse,
bunk house, mess house, electric
plant house, roads, assay office +
general office. Full use of
minerals, timber, waterpower + timber.

J. M. Co shall work continuously
except for cause beyond control. If
J. M. Co otherwise stops work properly
rents to Mont de Lion, or payment
of the amount expended by J. M. Co.

J. M. Co shall keep logs, inventory.

All money expended by J. M. Co shall
be repaid, as follows: deduct from
gross profits each year $1/10$ of the money
expended without interest. after deducting
10% + all necessary operating costs the
profit is to be split 50-50 with payments
each 3 months.

MINE

Mont de Lion

DATE

4/14/21

Mont de Lion may appoint a
general manager who may inspect
development, construction, operation + manage
expenditure + he shall report any
improvident expenditure to both parties
also a bookkeeper, checker + a man to
receive bullion checks. The operating
corporation to pay the salaries. These
salaries to be an operating expense.

Nine directors, two by the Mont
de Lion

Start examination with reasonable
diligence.

Geo de Lion

Pres

Arthur de

Arthur de

711 Madison Ave

Shaft

60'

South 60.0'

201

202

02.715

203

204

93.2

60'

206

Peralta Lion No 2 Tunnel

20 scale

206

207

5'

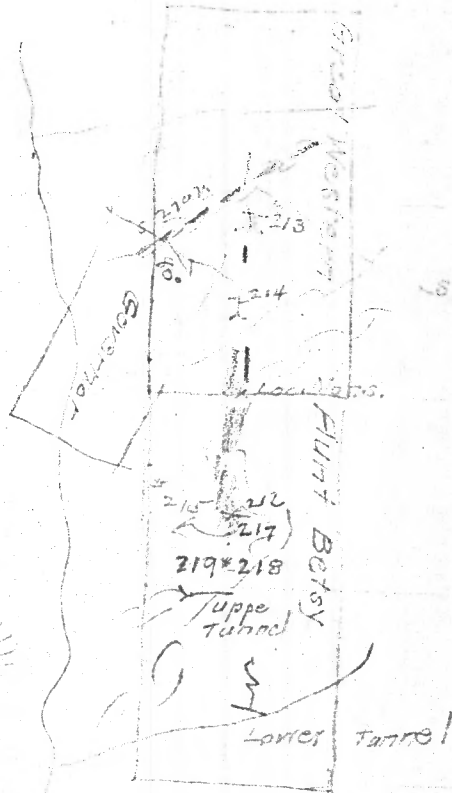
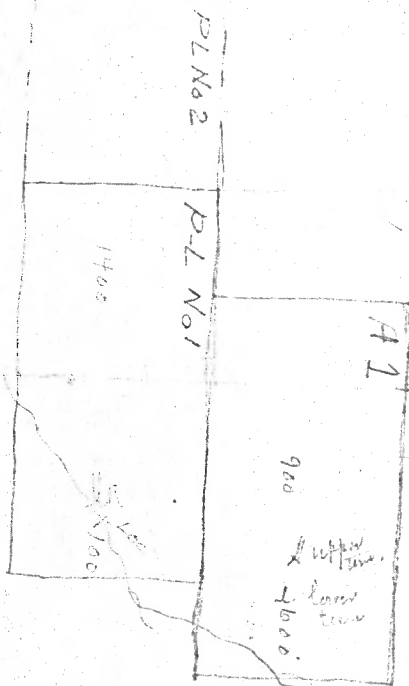
S 15.0m S 11'

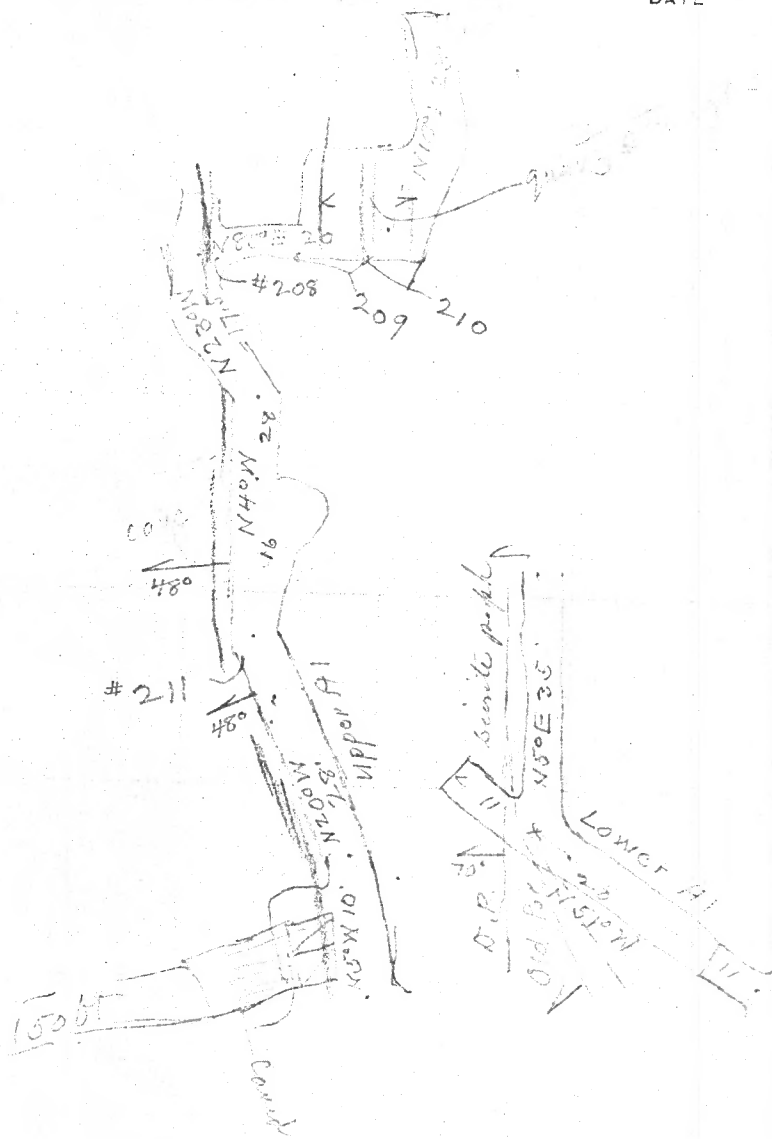
15'

80' deep

MINE

DATE



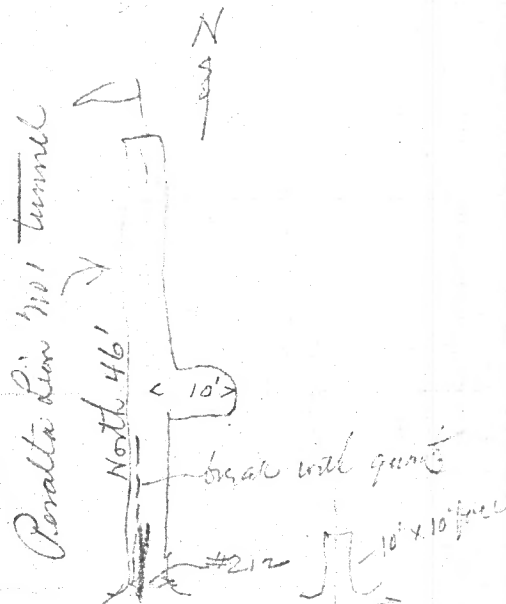


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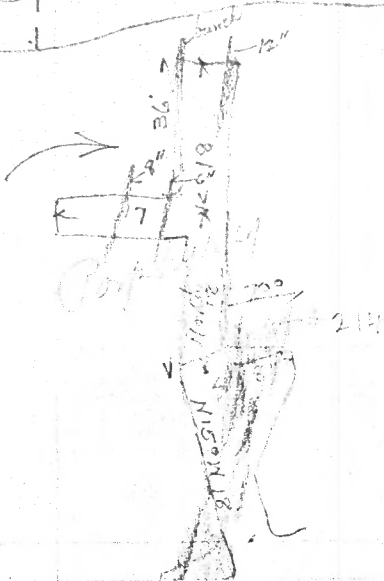
MINE

DATE

Parallelin 1101 tunnel
G.S. 100 ft. 1101 tunnel
100 ft. 1101 tunnel



Great Western tunnel

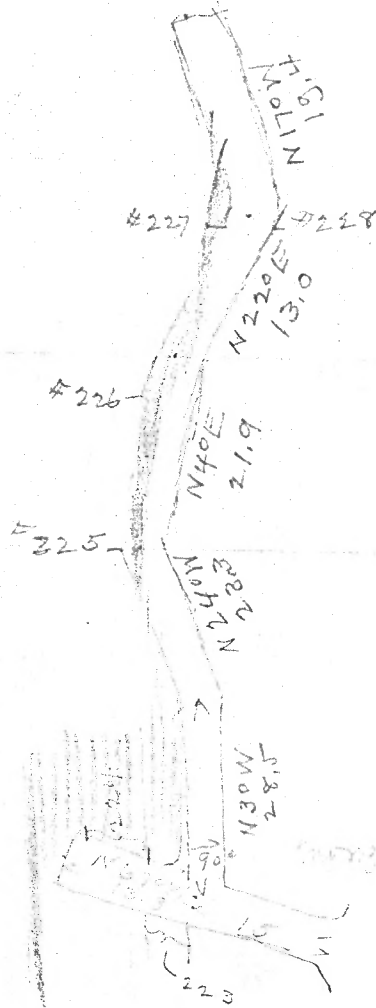


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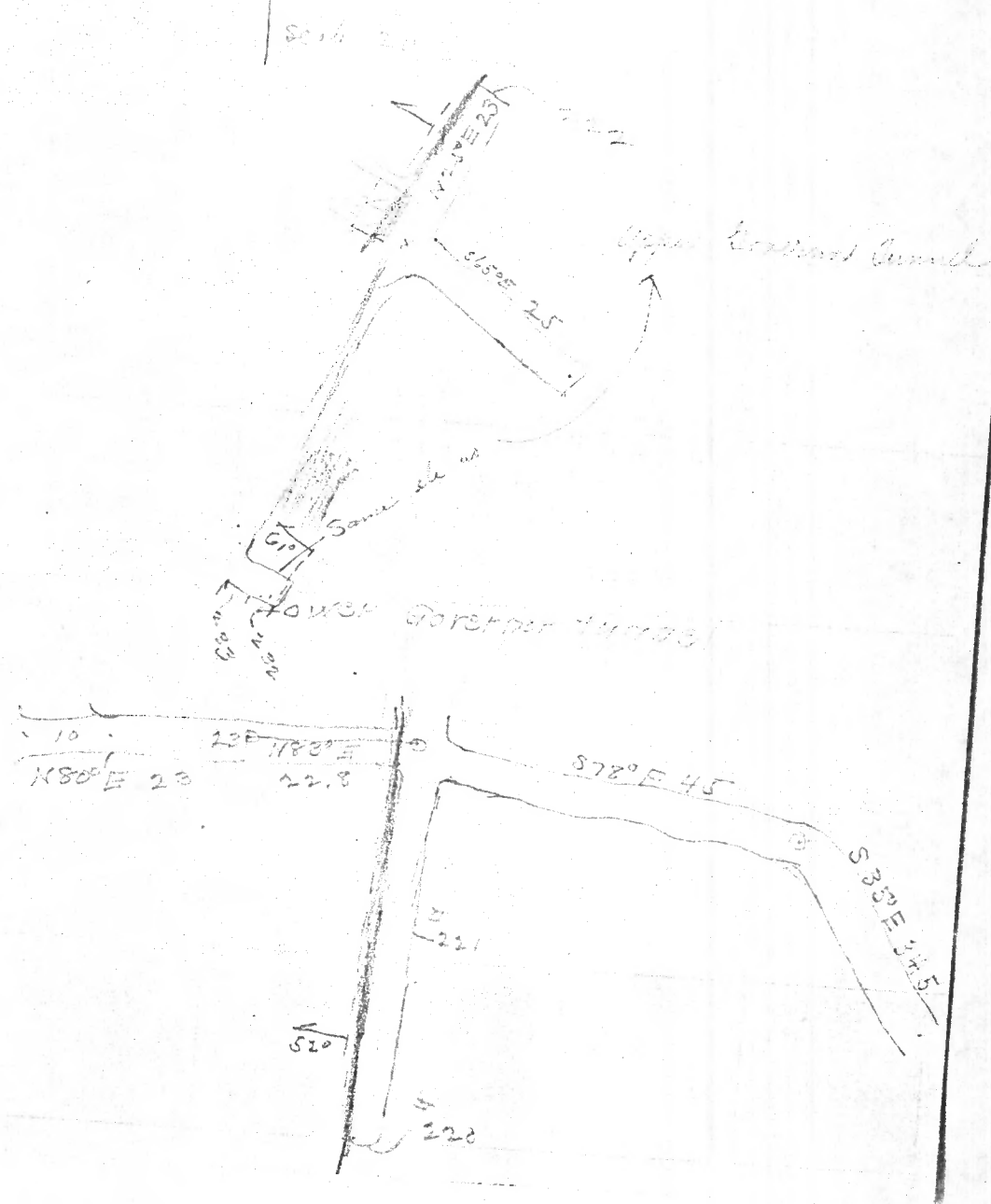
DATE

Scale 20

Lower Aunt Betty Tunnel



4/24/21



MINE

Mont de Lion

DATE

4/22/21

① - N 30° W + 23° 97.3 91.5

225

10' off wall of tunnel
- big wall of U.R.
Blowout - top

35° 2' W - 27° 97.4

86.5

4#2

② on upper Betty
tunnel - begin turn

③ B 1123 1/2 E 32.0

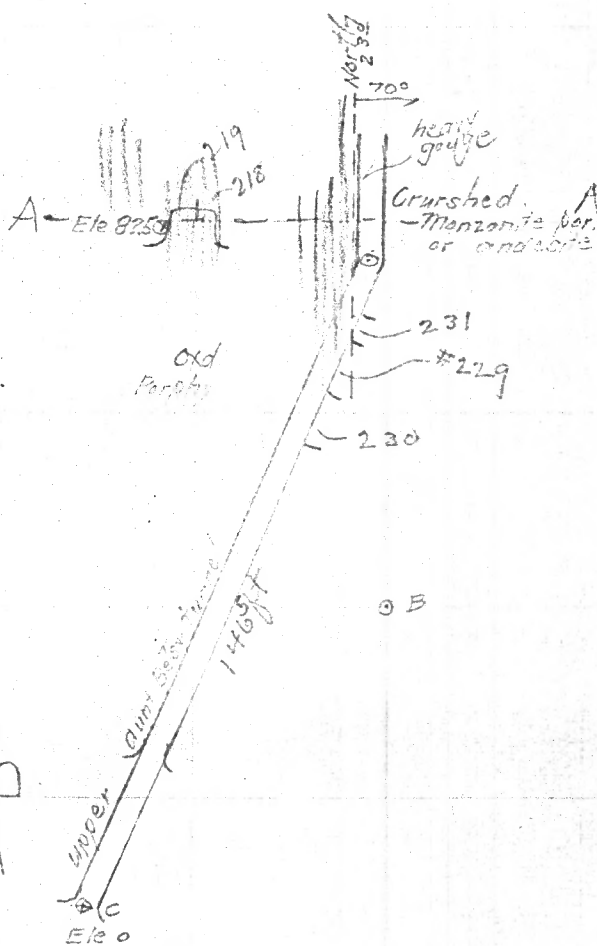
end of tunnel begin turn

" 146.5

④ C

④ C North 23.0

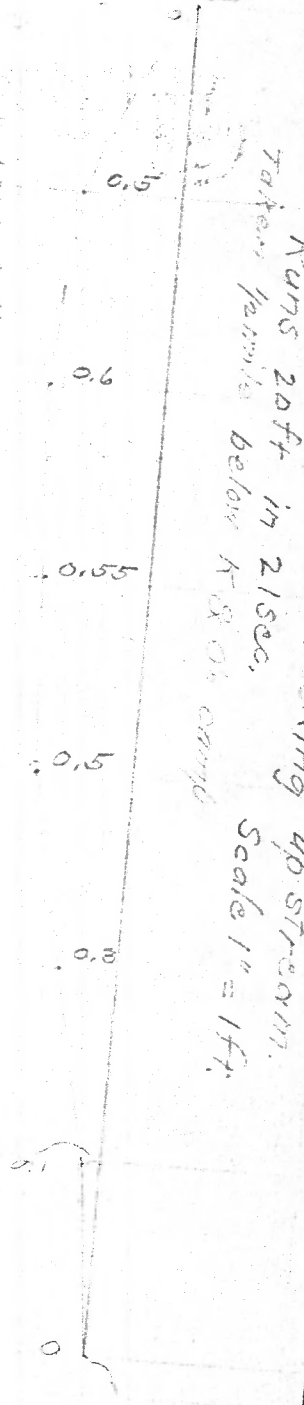
to face in foot
of heavy zone
pitching 70° E



Mont de Lim

 $\frac{4}{2} \frac{3}{3}$

Swalla Canon Water - Looking up stream.
Runs 20 ft in 21 sec.
Taken 1/2 mile below K & O's camp.
Scale 1" = 1 ft.



be put up with a tunnel we had rock here as roof down could
the road & dig up the east corner side so a log cabin. All the way to
the north - some considerable part back the water up into the cave even to the
construction would be difficult as the canyon has steep walls
and a narrow bottom.
Road to work would be made by spade.

MINE

Mont de Leon

DATE

4/12/21

Is located in the top of Cochite

T. 16N R. 6E

S. 13

BN

Forster map shows Cochite
in Sec 19 T. 16N-R. 6E

From Cochite

Rialta Pk (Bear Head) bears N 43 1/2° W

Tertilla

" East

Sharp peak

" N 11° W

Scandia Pk

" S 13° W

Ortiz Pk

" S 28° E

4/19/21

Aunt Betsy

Amended location on Aunt Betsy
Jan 12 1912 by John B. Marston
1500 ft south of loc mon. North
end joins south end of Great Western
Great Western
In same monument with Aunt Betsy
is notice Great Western located Jan 12
1908 by John B. Marston & Oscar B. Smith
Runs 1500 north of loc. mon. E.W.
Marston, witness

From north end Great Western

Scandia Pk

bears S 4° E

San Pedro Pks

" S 19 1/4° E

MINE

DATE

Monte de Rio No 4
 Located Jan 12 1921 by Arthur Knapp
 1500 ft north of monument
 250 ft. long.

Two short tunnels on either side of
 granite gulch that are not on vein
 material. On the northern one a small 100 ft. pitch
 55° to west. North tunnel about 40 ft.

Outcrop on No 4 not very definite at south
 end.

Peralta Lion No 3

Outcrop indefinite & covered with speck & debris
 to south end. Loc Jan 12 1921 by
 Monte de Rio Co 1500 ft north of monument
 Tunnel going north at south end, out of New York
 gulch. 2 spec cuts near south end with 2' above
 cut & 75' of tunnel on crushed zone, no quartz. Quartz appa-
 rently in post wall of crushed zone. Pitch 55° to west. Crushed zone bluish color with iron
 sulphide. Formation monzonite porphyry.

Peralta Lion No 2

Located Jan 12 1921 by Monte de Rio Co. by
 Arthur Knapp. Apt. 1500 ft north of monument.
 N-S. Pitch 45° to west. Strike of vein nearly
 vertical. Shaft at

mouth of tunnel covered with rock.
 Quartz outcrop rather weak. Most
 stringers in the monzonite porphyry. Cover-
 ed with earth & brush as it goes up hill
 to southwest of the capping butte.

MINE

DATE

did not see loc. known as Monitor
did not know where it is

S. Betancur (Arthur) ...
Siddy M located over Governor.
Siddy M was located 1908.

They also have a claim at the
de Leon Camp located 750ft each
way up & down the cañon, known as
the Tule. Located in 1908. Later Arthur Knobel
located the "23" on Jan 12 1918. I cannot make 30 figure 750ft
4/23/21

From high point that bears from camp of
Betancur & Knobel

S 66 3/4° E	to	Tortilla Pk
S 3 1/2° E		Scandia "
S 36 1/2° E		Otero "MT
S 53° E	to	South base of ...
N 68° E		" and St Peter's ...
N 19 1/2° E		Rear ... 2 miles?
N 79° W	" 1/2	Betancur & Knobel camp
S 45 1/2° E		Cerro Blanca ?
S 36 1/2° E		Water ...
N 63° W		Aunt Peter's ... 1/2 mile
West		Tule ... 50 ft
N 32 1/2° W		

High point with ... It is
rounding & nearly bare of
timber, to left ...

MINE Mont de Lion

DATE 4/24/21

Perattolida No. 5

Located east of P. 2. Was 4-6 with
loc. now. in New York State. Covers
the cabins occupied by Mariton
formerly. No mine claimed.

formerly. No mine claimed.
 Located Jan. 1st 1921 by Mont de Lion Mining Co. under
 Kincaid, Pat. S. Adams, writers. Corralito T. E. 115 2-3
 - No mine. No ore. Corralito Co.

bed not see north. Lies east of
P.L. Mt. & probably extends 300 ft
further south than P.L. Mt, that is
does not have common coarsens.

Peralta Lion No 1

Did not see notice

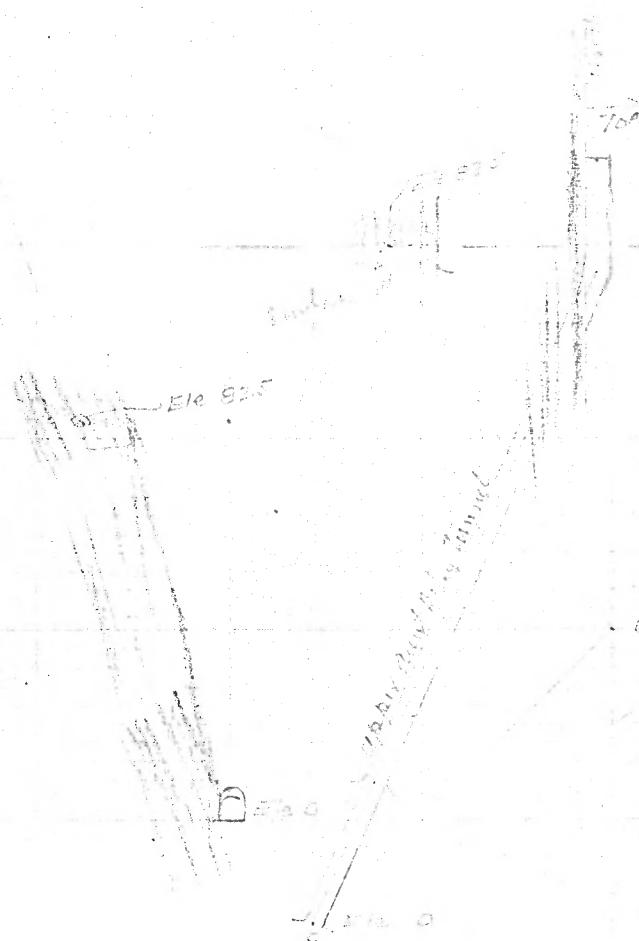
Did not look at Lion No 1, Lion No 2 &
Lion No 3 as there was no one to
pilot me to claims. They are
located in Victor gulch over toward
Bland.

Bear Head N 52 1/2 E
 18 mi { S 36 1/2 E to point above camp
 { N 65° E Bear Head

John Dixon, Penn Blanca, New Mex

MINE *Mont de Lion*

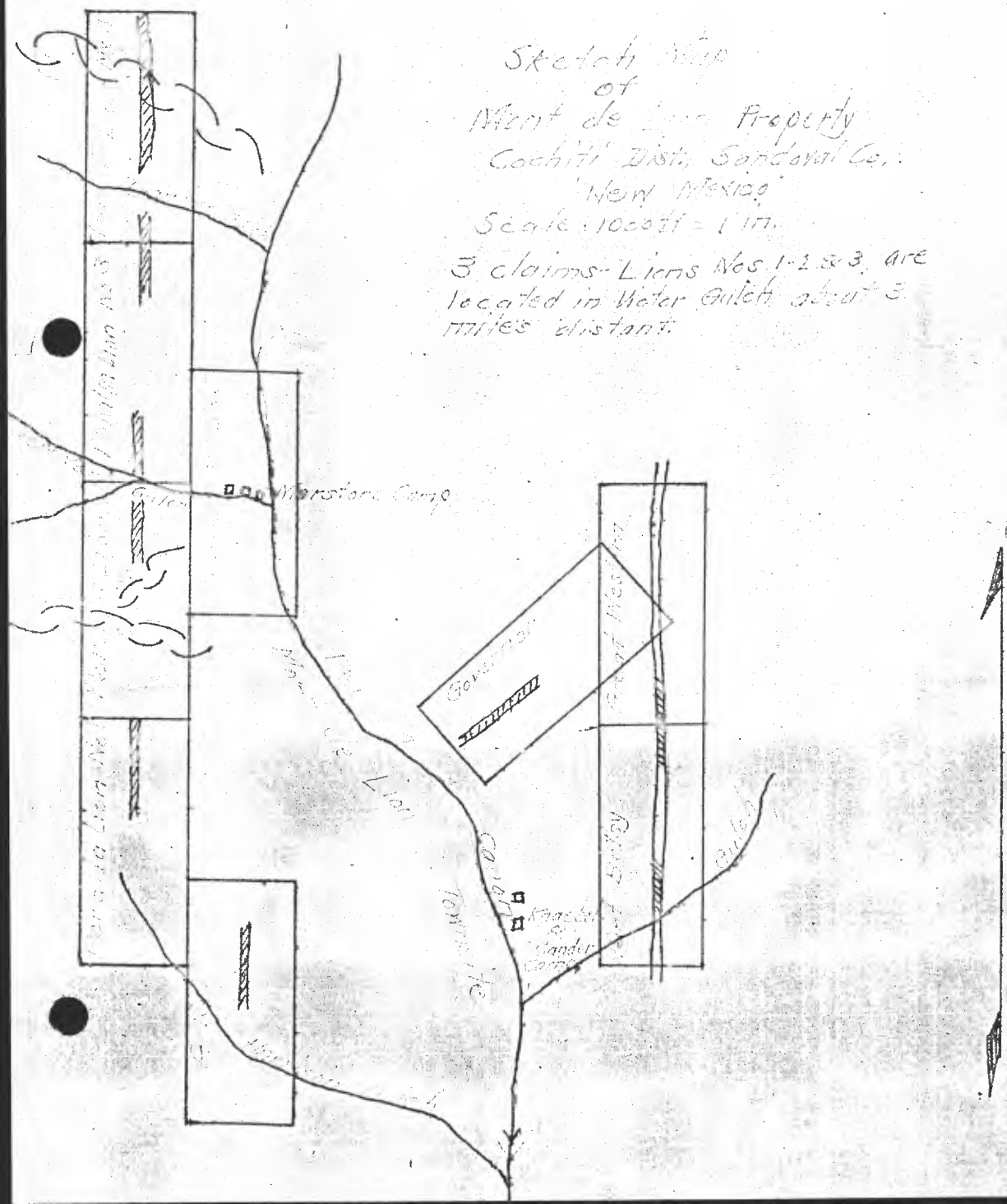
DATE *4/22/21*



*Peter does not quite agree
but close enough.*

Sketch Map
 of
 Mont de Luna Property
 Cochiti Dist. Sandoval Co.,
 New Mexico
 Scale: 1000 ft = 1 in.

3 claims - Lions Nos. 1-2 & 3, are
 located in Water Gulch about 3
 miles distant.



ASSAY CERTIFICATE

THE TONOPAH MINING COMPANY OF NEVADA

TONOPAH, NEV..

5/1

19 21

6713 - 466 - 500g

SAMPLE NO.	SAMPLES TAKEN FROM	GOLD		SILVER		TOTAL VALUE PER TON	PERCENTAGE OF			
		OZS. PER TON	VALUE PER TON	OZS. PER TON	VALUE PER TON		COP'R	IRON	SILICA	LEAD
200				16						
201				04						
202				30						
203				40						
204				38						
205				36						
206				20						
207				52						
208				220						
209				20						
210				52						
211				570						
212				20						
213				40						
214				10						
215				44						
216				10						
217				32						

ASSAYER

ASSAY CERTIFICATE

THE TONOPAH MINING COMPANY OF NEVADA

TONOPAH, NEV..

1921

W1813 - W. L. Linn

5/1

SAMPLE NO.	SAMPLES TAKEN FROM	GOLD		SILVER		TOTAL VALUE PER TON	PERCENTAGE OF			
		OZS. PER TON	VALUE PER TON	OZS. PER TON	VALUE PER TON		COP'R	IRON	SILICA	LEAD
218		2		12						
219		2		12						
220		2		20						
221		2		12						
222		2		20						
223		2		16						
224		2		12						
225		2		16						
226		2		06						
227		2		56						
228		2		16						
229		2		28						
230		2		06						
231		2		2						
232		16		4 84						
233		14		4 86						

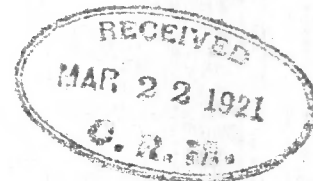
ASSAYER

THE TONOPAH MINING COMPANY OF NEVADA

EASTERN OFFICE
572 BULLITT BUILDING, PHILADELPHIA, PA.

PLEASE ADDRESS ALL COMMUNICATIONS
TO THE COMPANY, TONOPAH, NEVADA

TONOPAH, NEVADA.
March 17, 1921.



Mr. C. R. Miller, Vice-President,
Tonopah Mining Company of Nevada,
Philadelphia, Pa.

Dear Sir:- Attached is a copy of cyanide test on sample of ore submitted by MR. J. B. Marston. It will be noted that while cyanidation gives an extraction of 89.7% that the cyanide consumption is so high that it is impractical to treat the ore by this method without some preliminary treatment to remove the substances which are responsible for this consumption. A test is now in progress in which concentration has first been used to endeavor to remove these cyanicides and which will be followed by cyanidation. A flotation test was tried which gave negative results, the extraction being but 44.4% of the gold and 9.4% of the silver.

It will also be noted that this sample of ore is essentially a silver ore while the samples sent some time ago from presumably the same place were samples of gold ores.

As soon as the above mentioned test is completed a copy will be sent you.

Yours very truly,

W. H. Blackburn
Mill Superintendent.

TONOPAH MINING COMPANY—MILLING DEPARTMENT

SAMPLE #1

SUBMITTED BY J.B. Marston

DESCRIPTION

ASSAY	AU OZS. PER TON	AG OZS. PER TON	VALUE PER TON	% LEAD	% COPPER	%
	0.09	15.11	\$ 16.91			

AU @ \$ 20.00 oz. AG @ \$ 1.00 oz.

TEST NO. 214

1 LBS GROUND TO PASS 200 MESH. AGITATED WITH 3 LBS. SOLUTION CONTAINING 8.5 LBS. KCN PER TON.
LEAD ACETATE ADDED EQUIVALENT TO 1/2 LBS. PER TON ORE. LIME ADDED EQUIVALENT TO 20 LBS. PER TON ORE.

RESULTS OF TEST

SAMPLE	KCN LBS. PER TON SOLUTION	CAO LBS. PER TON SOLUTION	AU OZS. PER TON	AG OZS. PER TON	VALUE PER TON	AU EXT. %	AG EXT. %	VALUE EXT. %	KCN CONS. LBS.
HEADS	8.5	sat	0.09	15.11	\$16.91	-	-	-	-
65 HRS. AGT.	2.1	0.1	0.01	7.28	7.48	88.9	51.8	55.8	19.2
96 " ***	2.4	0.1	0.005	1.75	1.85	94.4	88.4	89.7	24.9
" "									
" "									

REMARKS: *** Cyanide strength brought up to 4.3%

CONCLUSIONS. High cyanide consumption makes treatment by cyanide impractical.
Consumption due to ferrous sulphate.

TELEPHONE CONNECTION
BOOTH, GARRETT & BLAIR

ANDREW A. BLAIR
J. EDWARD WHITEFIELD

ESTABLISHED 1838
ANALYTICAL AND ENGINEERING CHEMISTS
404 AND 406 LOCUST STREET

CABLE ADDRESS
"BARGET," PHILADELPHIA
(A B C CODE)
(WESTERN UNION)

ADDRESS ALL COMMUNICATIONS TO THE FIRM

PHILADELPHIA, PA.

March
3
1921

Tonapah Mining Co. of Nevada,
Bullitt Building,
Philadelphia.

De Leon

Gentlemen:

We find the sample of Ore
received from you on the 2nd inst. to con-
tain per ton of 2000 lbs:

Silver - - - - - 11.40 oz.

Gold - - - - - trace

Yours respectfully,

Booth, Garrett & Blair

2 samples

TELEPHONE CONNECTION
BOOTH, GARRETT & BLAIR

ESTABLISHED 1836
ANALYTICAL AND ENGINEERING CHEMISTS
404 AND 406 LOCUST STREET

CABLE ADDRESS
"BARGET," PHILADELPHIA
(A B C CODE)
(WESTERN UNION)

ANDREW A. BLAIR
J. EDWARD WHITFIELD

ADDRESS ALL COMMUNICATIONS TO THE FIRM

PHILADELPHIA, PA.

February
10
1921

Tonapah Mining Co. of Nevada,

Bullitt Building,

Philadelphia.

Gentlemen:

We find the sample of Ore
received from you on the 8th inst., marked
as below to contain per ton of 2000 lbs:

"No. 2"

Gold - - - - - 0.06 oz.

Silver - - - - - 16.10 "

Yours respectfully,

Booth Garrett Blair

*Samples sent
3/2 - Right Hand Canyon*

TELEPHONE CONNECTION
BOOTH, GARRETT & BLAIR

ESTABLISHED 1836

ANALYTICAL AND ENGINEERING CHEMISTS

404 AND 406 LOCUST STREET

CABLE ADDRESS

"BARGET," PHILADELPHIA

(A B C CODE)

(WESTERN UNION)

ANDREW A. BLAIR
J. EDWARD WHITEFIELD

ADDRESS ALL COMMUNICATIONS TO THE FIRM

PHILADELPHIA, PA.

February

19

1921

*Right side
conveyed*

Tonapah Mining Co. of Nevada,

Bullitt Building,

Philadelphia.

Gentlemen:

The sample of Ore received from
you on the 8th inst., marked as below, we
find to contain per ton of 2000 lbs:

"No. 1"

Gold

Silver

0.10 oz.

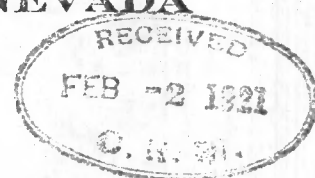
19.58 oz.

The sample contains no Uranium,
the yellow mineral is Molybdate.

Yours respectfully,

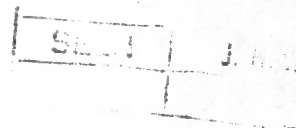
Booth Garrett Blair

THE TONOPAH MINING COMPANY OF NEVADA

EASTERN OFFICE
572 BULLITT BUILDING, PHILADELPHIA, PA.PLEASE ADDRESS ALL COMMUNICATIONS
TO THE COMPANY, TONOPAH, NEVADATONOPAH, NEVADA.
January 28, 1921.

RECD

FEB 11 1921

Mr. Chas. R. Miller, Vice Pres.,
Tonopah Mining Company of Nevada,
Philadelphia, Pa.

Dear Mr. Miller:-

Upon receipt of your telegram of 1/21/21 asking that tests be made on De Lion ore to determine method of treatment and character of mill required for this ore work was immediately started along those lines.

It was found that the ore as represented by the samples sent us was readily amenable to straight ^{cyanide} treatment with no difficulties or complications entering into the treatment. As samples #1 and #2 were of such low grade, it was impossible to weigh the small amounts of gold remaining in the tails from these tests, it being beyond the limits of the assay balance. The test on sample #3 or the higher grade sample is therefore of more value than tests #1 or #2.

From the results of these tests a conventional cyanide plant could be installed to successfully treat the ore represented by these samples. As a preliminary suggestion a mill of this type would do the work.

Gyratory Crusher

Stamps	or	Rolls	or	Ball Mill
Tube Mills		Tube Mills		Tube Mills

Tube Mills

Thickeners

Agitators

Oliver Filters
or Butters Filter

or

Counter Current

Zinc Dust

or Zinc Boxes

Merrill Presses.

This is but a brief outline but before definitely deciding on the mill other than that it shall be a cyanide mill, it will be necessary to know approximately the grade of ore to be treated and if possible to obtain an average representative ^{sample} of several hundred pounds of the ore to be milled, the approximate daily tonnage to be treated, the accessibility of the property, mill site available and its position in reference to the mine and water supply.

We can conduct all tests necessary for an installation of this type and take pleasure in making tests for methods of ore treatment.

Upon receipt of further higher grade samples being sent from Bland we will conduct further tests. Copy of tests on Samples #1, #2, and #3 are enclosed.

Yours very truly,

N. A. Johnson

Mill Superintendent.

ASSAY CERTIFICATE

THE TONOPAH MINING COMPANY OF NEVADA

TONOPAH, NEV..

1921

de Lion - Bland New Mexico

[illegible]

C. J. Foster
ASSAYER

WARD CERTIFICATE OF ASSAY

ASSAYERS AND CHEMISTS
53 STEVENSON STREET

TELEPHONE KEARNEY 6961

DEPOSITED BY

OFFICE
NUMBER

MARKED

GOLD OUNCES
PER TON

GOLD VALUE
PER TON

SILVER OUNCES
PER TON

SILVER VALUE
PER TON

GOLD AND SILVER
VALUE PER TON

PER CENT
OF

116811

12

123

141

No 1

2

54

71

22

90

12

38

725 77

124

248

7	85
---	----

Mac

Trace

Trace

50

00

00

00

25

100

100

0-978-0-13-061815-0

835

SILVER AT 100

CENTS PER DUNCE

C. A. LUCKENBART CO.

135

TONOPAH MINING COMPANY—MILLING DEPARTMENT

SAMPLE #1

SUBMITTED BY De Lion, New Mexico

DESCRIPTION Iron stained quartz

ASSAY	AU OZS. PER TON	AG OZS. PER TON	VALUE PER TON	% LEAD	% COPPER	%
	0.04	0.12	\$ 0.92	-	-	-

AU @ \$20.00. AG @ \$1.00.oz.

TEST NO. 162

1 LBS GROUND TO PASS 150 MESH. AGITATED WITH 3 LBS. SOLUTION CONTAINING 2.1 LBS. KCN PER TON.

LEAD ACETATE ADDED EQUIVALENT TO 1/2 LBS. PER TON ORE. LIME ADDED EQUIVALENT TO 20.0 LBS. PER TON ORE.

RESULTS OF TEST

SAMPLE	KCN LBS. PER TON SOLUTION	CaO LBS. PER TON SOLUTION	AU OZS. PER TON	AG OZS. PER TON	VALUE PER TON	AU EXT. %	AG EXT. %	VALUE EXT. %	KCN CONS. LBS.
HEADS	2.1	-	0.04	0.12	\$0.92	-	-	-	-
12 HRS. AGT.	1.9	1.0	0.01	0.03	0.23	75	75	75	0.6
24 " "	1.8	0.8	tr	.03	-	90-100	75	90-100	0.9
" "									
" "									
" "									

REMARKS:

CONCLUSIONS.

TONOPAH MINING COMPANY—MILLING DEPARTMENT

SAMPLE #2

SUBMITTED BY De Lion, New Mexico.

DESCRIPTION Iron Stained quartz.

ASSAY	AU OZS. PER TON	AG OZS. PER TON	VALUE PER TON	% LEAD	% COPPER	%
	0.04	0.10	\$0.90	-	-	-

AU @ \$20.00 OZ. AG @ \$1.00 OZ.

TEST NO. 163

1 LBS GROUND TO PASS 150 MESH. AGITATED WITH 3 LBS. SOLUTION CONTAINING 2.1 LBS. KCN PER TON.

LEAD ACETATE ADDED EQUIVALENT TO 1/2 LBS. PER TON ORE. LIME ADDED EQUIVALENT TO 20.0 LBS. PER TON ORE.

RESULTS OF TEST

SAMPLE	KCN LBS. PER TON SOLUTION	CaO LBS. PER TON SOLUTION	AU OZS. PER TON	AG OZS. PER TON	VALUE PER TON	AU EXT. %	AG EXT. %	VALUE EXT. %	KCN CONS. LBS.
HEADS	2.1	-	0.04	0.10	\$0.90	-	-	-	-
12 HRS. AGT.	1.9	1.0	0.01	0.03	\$0.23	75	70	74.4	0.6
24 " "	1.8	0.8	tr	0.03	-	90-100	70	90-100	.9
" "									
" "									
" "									

REMARKS:

CONCLUSIONS.

TONOPAH MINING COMPANY—MILLING DEPARTMENT

SAMPLE #3

SUBMITTED BY DeLion, New Mexico.

DESCRIPTION Iron Stained Quartz.

ASSAY	AU OZS. PER TON	AG OZS. PER TON	VALUE PER TON	% LEAD	% COPPER	%
	0.36	0.32	\$7.52	-	-	-

AU @ \$ 20.00 OZ. AG @ \$ 1.00 OZ.

TEST NO. 164

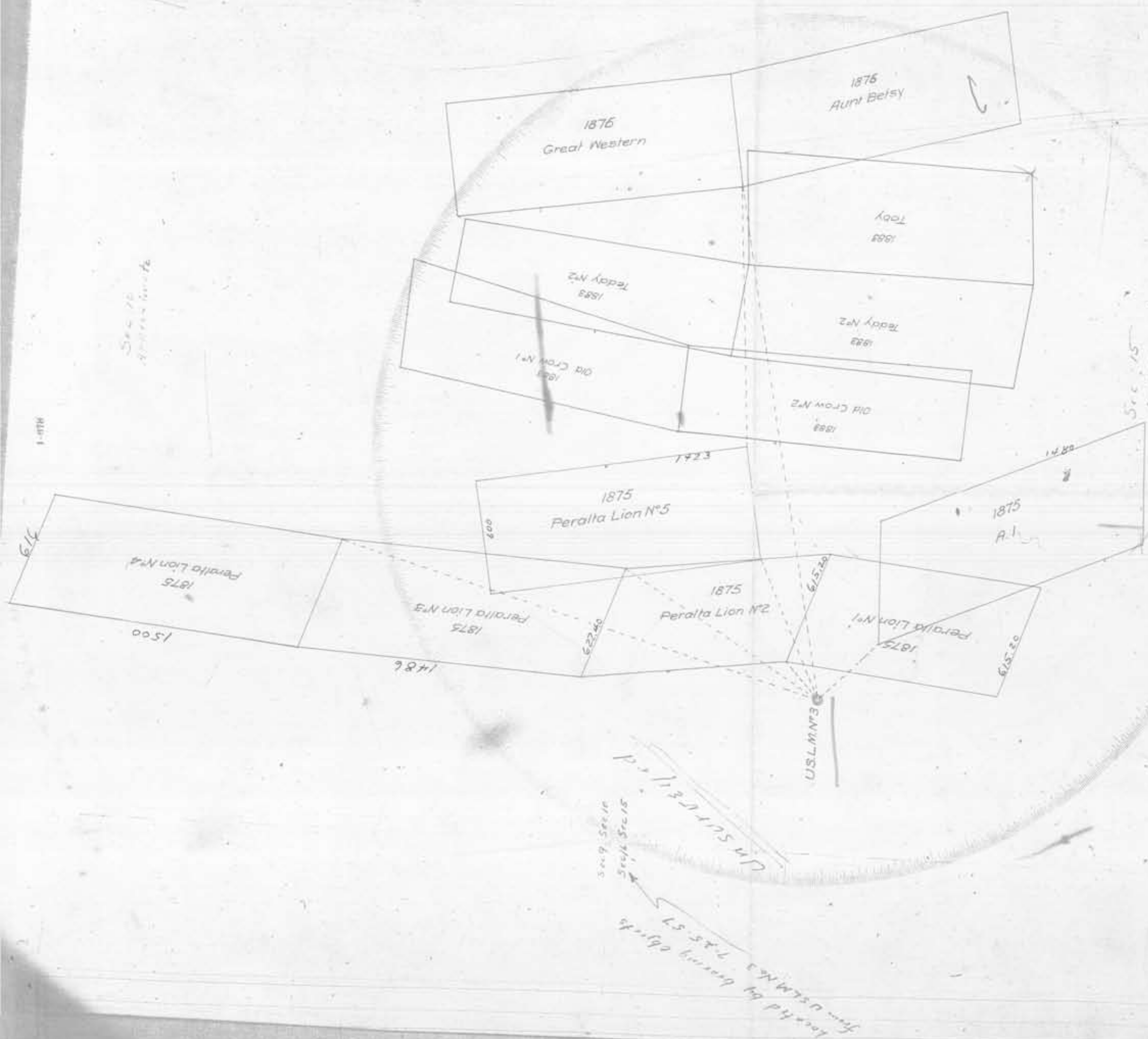
1# LBS GROUND TO PASS 150 MESH. AGITATED WITH 3 LBS. SOLUTION CONTAINING 2.1 LBS. KCN PER TON.
 LEAD ACETATE ADDED EQUIVALENT TO 1/2 LBS. PER TON ORE. LIME ADDED EQUIVALENT TO 20 LBS. PER TON ORE.

RESULTS OF TEST

SAMPLE	KCN LBS. PER TON SOLUTION	CAO LBS. PER TON SOLUTION	AU OZS. PER TON	AG OZS. PER TON	VALUE PER TON	AU EXT. %	AG EXT. %	VALUE EXT. %	KCN CONS. LBS.
HEADS	2.1	-	0.36	0.32	\$7.52	-	-	-	-
12 HRS. AGT.	1.8	1.0	0.09	0.08	1.88	75.0	75.0	75.0	0.9
24 " "	1.7	0.8	0.015	0.02	.34	95.8	93.1	95.6	1.2
" "									
" "									
" "									

REMARKS:

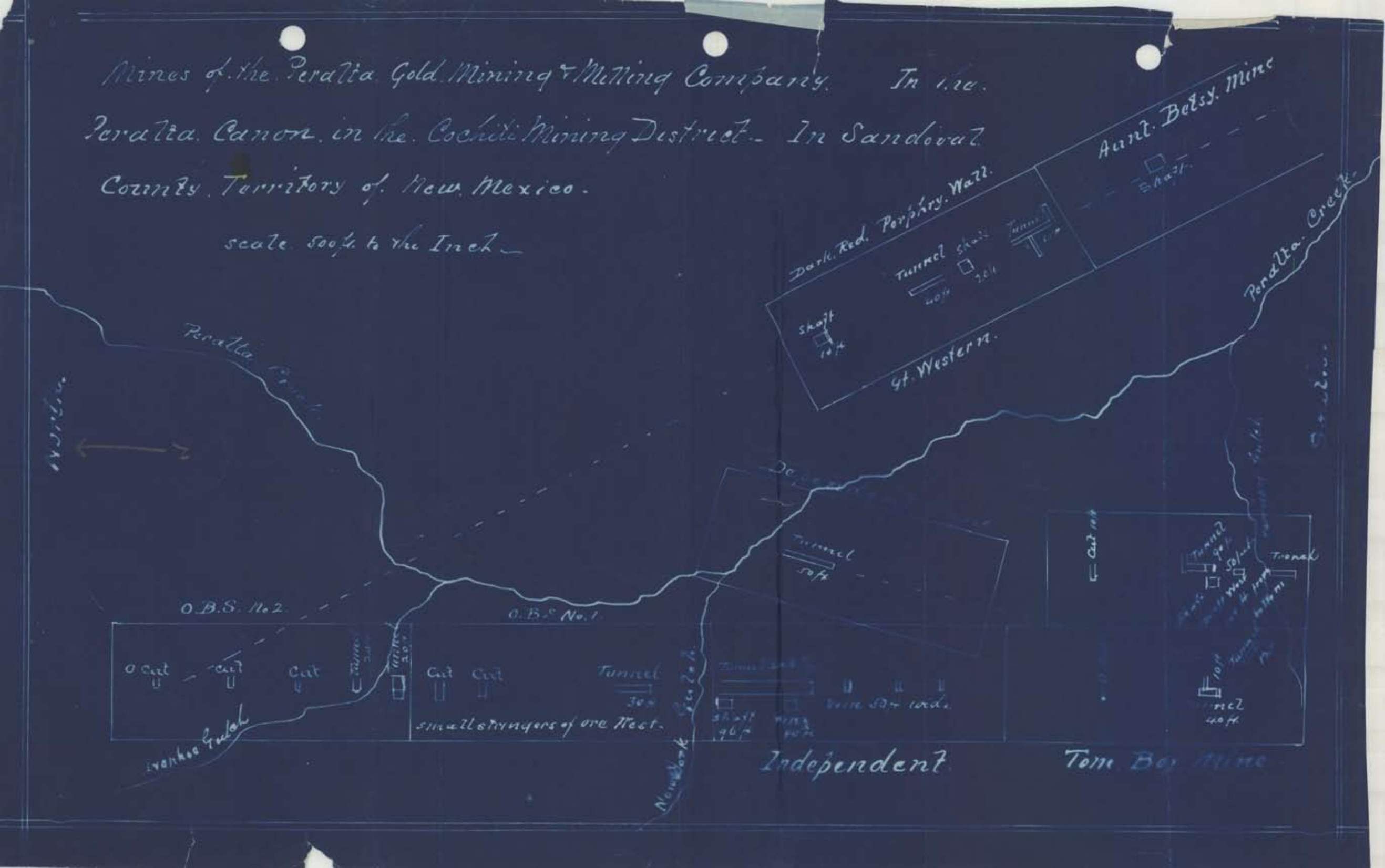
CONCLUSIONS.



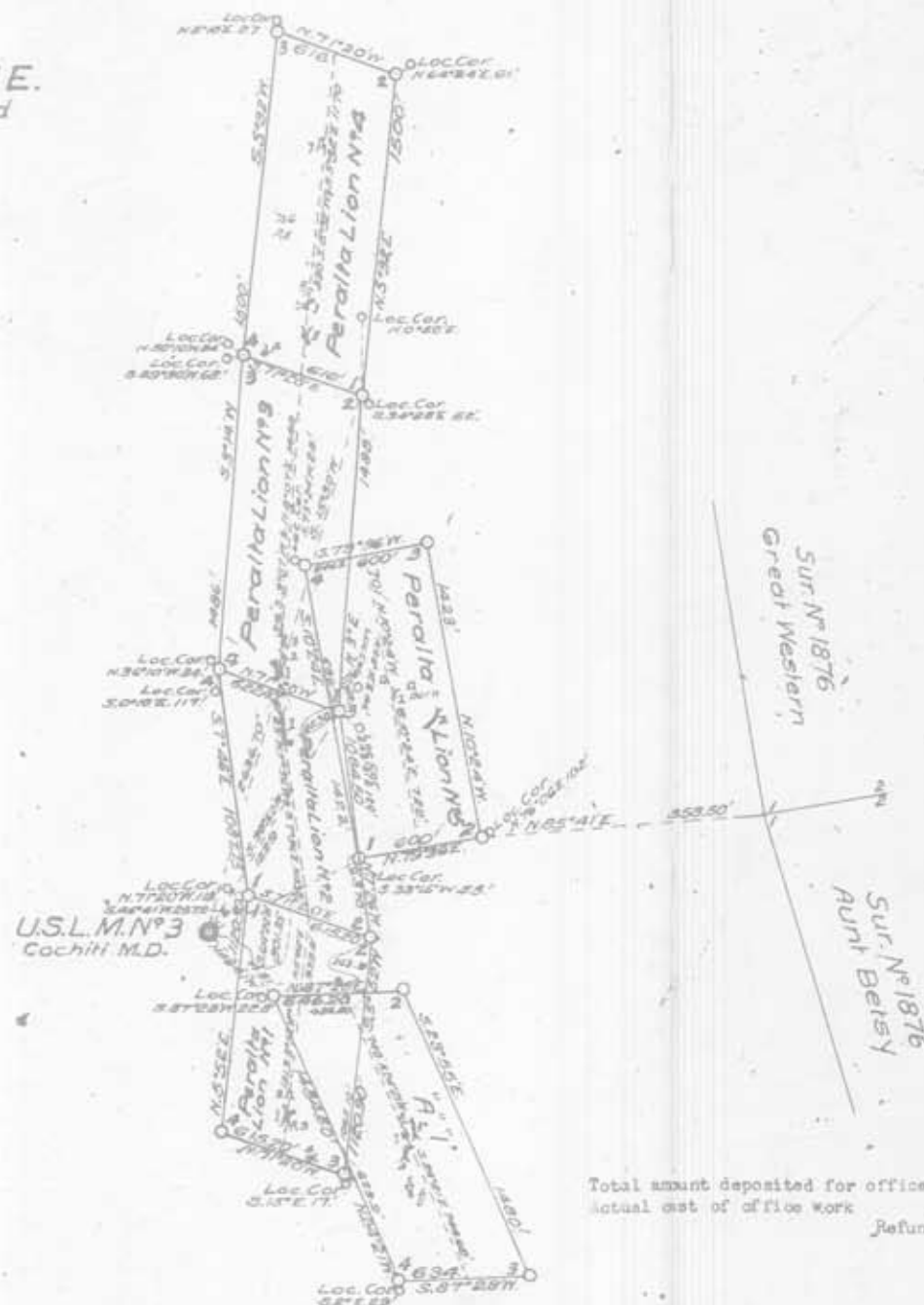
Looked by bearing objects
from USLM No. 3
Sec 15 Sec 16
USLM No. 3

Mines of the Peralta Gold Mining & Milling Company. In the
Peralta Canon in the Cochiti Mining District. In Sandoval
County Territory of New Mexico.

scale 800 ft. to the Inch



T.17N.R.4E.
Unsurveyed



Total amount deposited for office work 95.00
Actual cost of office work 63.62
Refund 31.38

PATENT # 389033 - 11-12-24

Claim Located See field notes 19

Mineral Survey N° 1875

Lot N°
Santa Fe Land District.

PLAT

OF THE CLAIM OF

Mont De Lion Mining Company
KNOWN AS THE

Peralta Lion Group

IN Cochiti MINING DISTRICT,
Sandoval COUNTY, N.M.

Containing an Area of Acres.

Scale of 600 feet to the inch.

Variation 13°40'E

STARTED July 23 to Aug 5 1921 BY

Edmund Ross U.S. Mineral Surveyor.

The Original Field Notes of the Survey of the Mining Claim of
Mont De Lion Mining Company
known as the

Peralta Lion Nos 1, 2, 3, 4 & 5 and
Aunt Betsy.

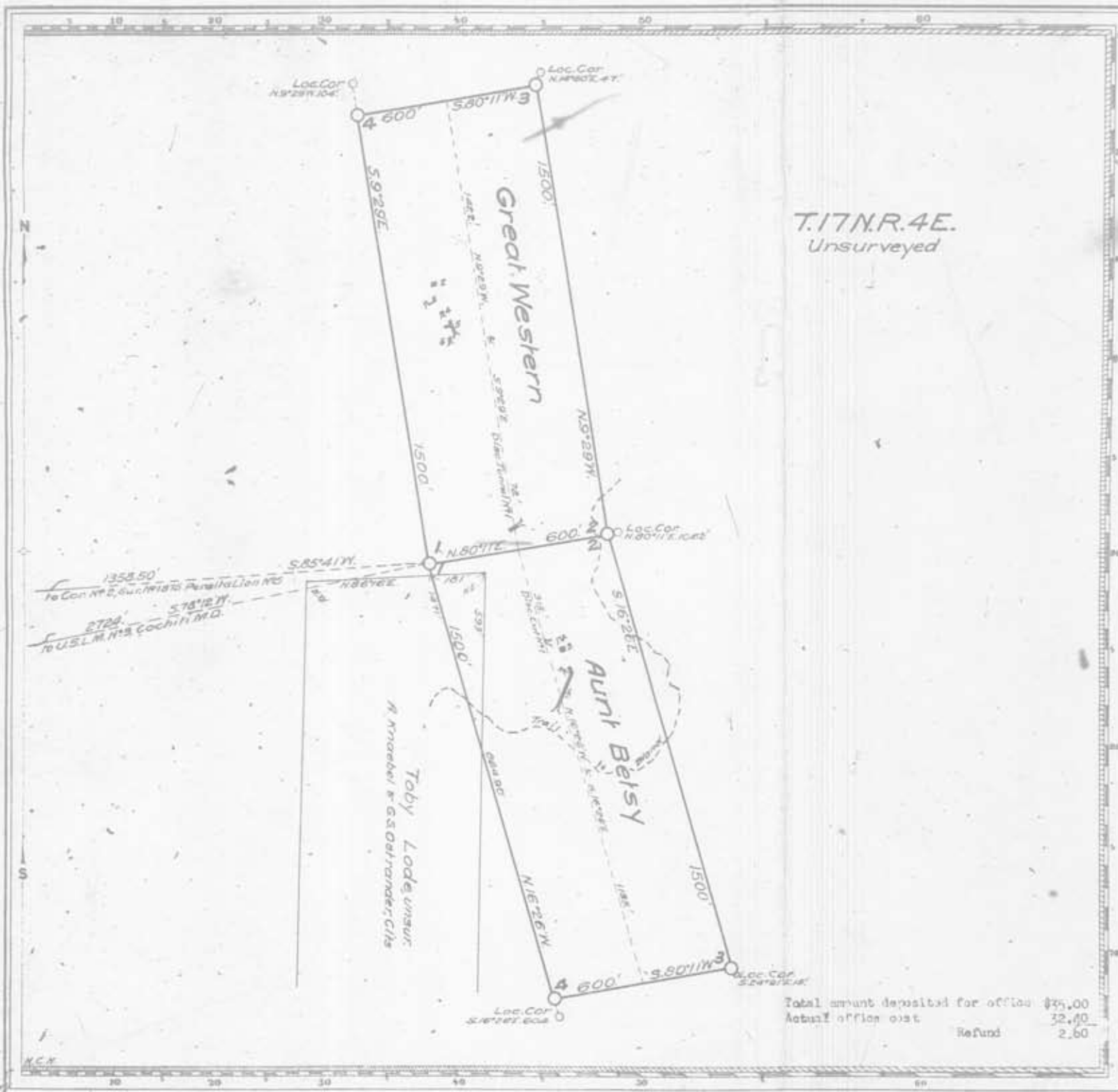
from which this plat has been made under my direction
have been examined and approved, and are on file in this Office,
and I hereby certify that they furnish such an accurate description
of said Mining Claim as will, if incorporated into a patent,
serve fully to identify the premises, and that such reference,
as made thereon to natural objects or permanent monuments
as will perpetuate and fix the locus thereof.

I further certify that five hundred dollars worth of labor has
been expended or improvements made upon said Mining
Claim by claimant or its grantors, and that
said improvements consist of 13 Cuts & Tunnels,
10 Cuts, 1 Shaft and 1 Tunnel.

that the location of said improvements is correctly shown
upon this plat, and that no portion of said labor or im-
provements has been included in the estimate of expendi-
tures upon any other claim.

And I further certify that this is a correct plat of said Mining
Claim made in conformity with said original field notes of the
survey thereof, and the same is hereby approved.

Witness my hand and Seal of Office,
Santa Fe, N.M. *Lucius Dills*
November 5, 1921 U.S. Survey General for
New Mexico



PATENT # 385034 - 11-12-26

<i>Claim located</i>	<i>See field notes</i>	109
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Mineral Survey No. 1876

Lot N^o
Santa Fe Land District.

PLAT
OF THE CLAIM OF

Mont De Lion Mining Company
KNOWN AS THE
Group B

IN Cochiti MINING DISTRICT,
Sandoval COUNTY, N.M.

Containing an Area of Acres.

Scale of 300 Feet to the inch.

Variation: $13^{\circ}40'E$.

STARTED August 2-6 1921 BY

Edmund Ross U.S. Deputy Mineral Surgeon

*The Original Field Notes of the Survey of the Mining Claim of
Mont DeLion Mining Company*

Known as the
Aunt Betsy & Great Western Lodes

from which this plat has been made under my direction, have been examined and approved, and are on file in this office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the location thereof.

I further certify that Five Hundred Dollars worth of labor has been expended in improvements made upon said Mining Claim by claimant or its grantors, and that said improvements consist of 3 Cuts & tunnels, 2 shafts and 6 cuts.

that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office. *Lucius Dille*

Santa Fe, N.M. U.S. Survey General for

November 5, 1921) New Mexico