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257
ITEM 10

PRELIMINARY EXAMINATION

OF THE

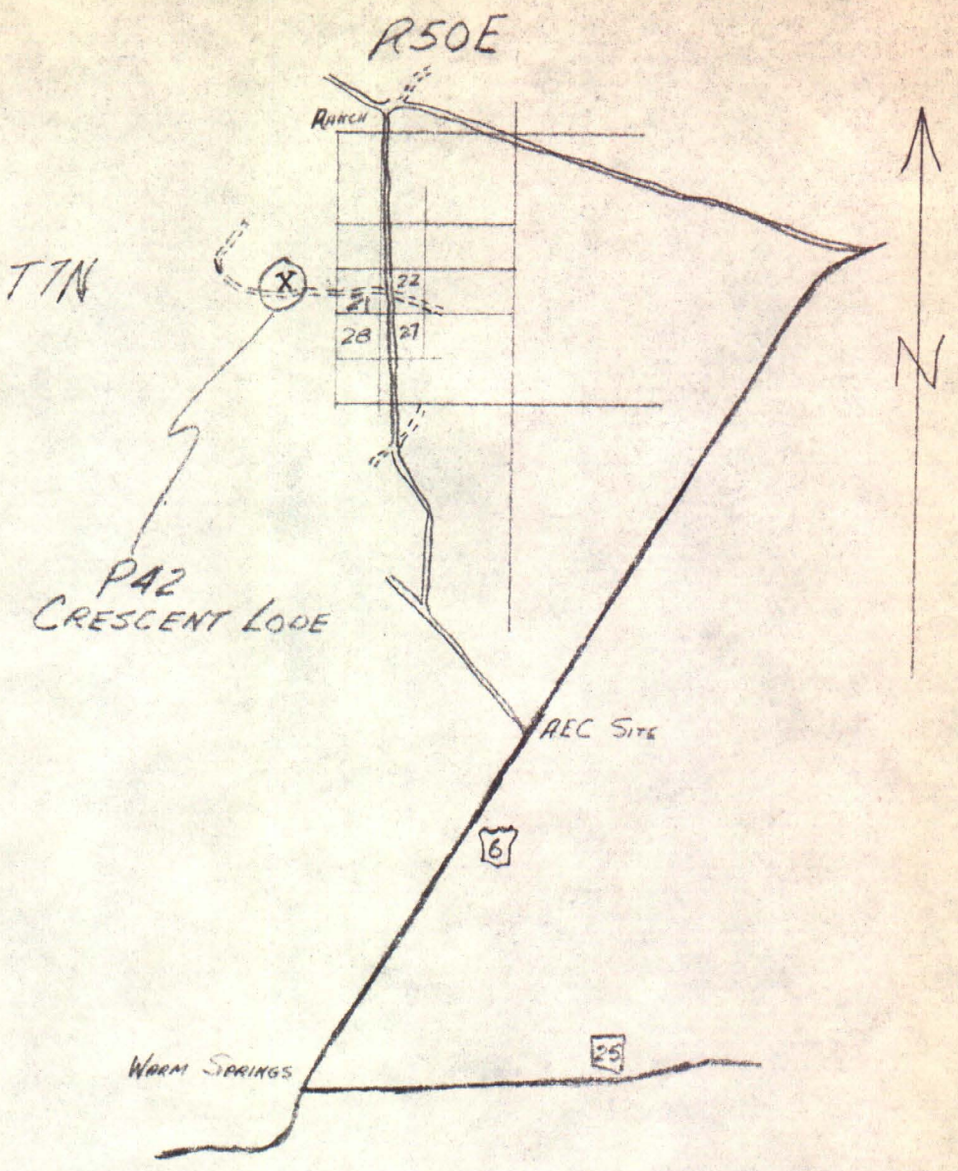
CRESCENT LODE CLAIM

T 7 N, R 50 E, S 19, MDBM

NYE COUNTY, NEVADA

PAN-NEVADA, INC.
N. J. BYRNE
FEBRUARY, 1969

TABLE OF CONTENTS



CRESCENT LODE CLAIM

LOCATION MAP

T7N, R50E, S19

MDBM

NYE COUNTY

NEVADA

P42

SCALE

0 1 2 3 4 5

MILES

INTRODUCTION

The Crescent Lode is located approximately 117 miles by road southeast of Ely and about 19 miles, via Hot Creek Ranch, from highway no. 6 (T 7 N, R 50 E, Sec. 19). It is on the eastern slope of the Hot Creek Range.

Access roads are good. The property was free of snow when investigated January 26, 1969, by N. J. Byrne. The nearest water observed was at the Hot Creek Ranch 7 miles away but seasonal water is probably available in a canyon less than a mile to the southwest.

Although the Hot Creek Mining did not produce very much the Tybo district to the south did, and since the geology of the latter is similar much can be learned from the reports written about it. The Crescent Lode was patented in 1879 when two shallow shafts were sunk. Since then very little has been done on the property. Signs of geophysics and rotary drilling are present on the surrounding claims.

GENERAL GEOLOGY

The general country rocks are mostly grey and buff-colored, blocky limestone which dips to the east. Near the east side of the Hot Creek Range the limestone has been extensively faulted and folded. The faulting has allowed introduction of a granitic porphyry, quartz and mineralization.

DETAIL GEOLOGY

On the Crescent claim and the immediate vicinity the limestone has been well-faulted and folded. This has allowed liberal intrusion of porphyry into the fissures. The porphyry is thought to have originated from a deep seated monzonite stock. At a later stage quartz was injected into the shattered porphyry probably from the same origin. Subsequently, probably in more than one stage, the sulphides were introduced.

Although the limestone has undergone contact metamorphism most of the mineralization has been either disseminated through the porphyry or concentrated near the contact.

The porphyry tends to follow the northerly trending structure predominantly and usually is wider and coarser in this direction with only a small amount of sulphide. In the case of the southern shaft, where the porphyry is narrow and lens-shaped, fracturing has allowed the introduction of quartz and massive mineralization.

Much of the alteration in the contact zone, where porphyry meets limestone, takes place along bedding planes and to a lesser degree in the beds between. Some quartz has been injected along bedding planes but no mineralization other than iron was observed.

Two samples were taken, one from the altered limestone (Sample 'B') and one from some of the best specimens on the muck pile at the southern shaft (Sample 'A'). The latter sample contains about 30% sulphides made up of about equal amounts of pyrite, chalcopyrite and galena with some sphalerate present as well. This mineralization was entirely within the porphyry near the contact whereas sample 'B' was from an altered limestone which only showed a few tiny galena crystals. The results from sample 'A' are purely qualitative but show that considerable silver is carried in the sulphides, probably in the galena (See Appendix).

CONCLUSIONS AND RECOMMENDATIONS

The assays received coupled with favourable geology suggest further investigation of the Crescent Lode. This should include more detailed sampling and mapping, geophysics (magnetometer and electromagnetic) and possible follow-up diamond drilling.

Since another company has done considerable work in the surrounding area, including geophysics and rotary drilling, cooperation with this company may prove to be to our advantage.

Respectfully submitted,

Norman J. Byrne

N. J. Byrne, Geologist

Pan-Nevada Inc.
February, 1969

APPENDIX

SAMPLE LOGS - CRESCENT LODE CLAIM

NUMBER	DESCRIPTION	ASSAYS Au Ozs/ton	Ag Ozs/ton	Cu %	Pb %	Zn %	Mo %
A.	Greenish porphyry, fractured with quartz stringers. About 30% sulphides including pyrite, chalcopyrite, galena and sphalerite.	Tr	14.0	3.359	2.70	2.4	Nil
B.	Altered limestone, iron coated, silicified. Small grains of galena and sphalerite visible.	Tr	0.2	0.056	0.55	1.0	Nil

Assays were performed by the Union Assay Office, P. O. Box 1528, 269 Brooklyn Ave., Salt Lake City, Utah; the original assay report, dated February 10, 1969, is signed by Glen P. Williams.

DRD

P-42 NOTES

PRODUCTION DATA available from USBM Info Circ # 6430 (3/1931) on Tyho Mine.

FERGUSON, H.G., (1933) NBM Bull 27 #3, p 42-
GEOLOGY OF THE TYBO DIST, NEV.
Ore production along 2G fault in Tybo, & Swarbrick; & Gilmore, D, mick mines along their resp. faults, & Bunker Hill & Mine.
First ore Disc in 1869, 2.G. lode in 1871 & Tybo Con Min Co. built Smelter in 1872
1872-1879 - production from ore that was 11% Pb, & 27.5 oz Ag/T & .24 oz Au / Ton
Unsuccessful attempts in 1906 & 1917
Production in 1929
Ore was argentiferous Pb-Zn sulfide ore
Most ore in in tabular bodies along 2-G fault
"Porphyry dykes tend to follow all the faults (except frontal faults) & to a large extent ore occurs within the dyke"
Ore generally replaces porphyry - not dikes.
Largest ore bodies coincide w/ large masses of porphyry
Mineralization along 1 fault not continuous
Primary Sulfides are pyrite, chal, galena, chalco, pyrrh, & arsenopyrite. Only gal & sph are ore min.
There is gradation of sulfides from ore to psuedo
Galena contains the Ag.
Pyrite very widespread
Arsenopyrite commonly desiminated in Porphyry usually for a dist of several ft from vein.
Chalco very small & assoc w/ sphal.
Ag content was richer in upper levels.
Sericite & calcite alteration present
Ore deposition related to intrusive porphyry which followed ore existing faults.
Mineralization probably took place at shallow depths
These types of ore bodies often assoc w/ upper portions of mong stocks (Butler B.S., USGS Prof Paper 111 p 195-201, 1920)

AKD

P- 42

"The ores themselves are possibly apophyses from larger b.s. replacement deposits at depth" (p 50)
No monzonite stock had been uncovered by 1933
Ore body at 710 ft level was richest & largest
Same body intersected at 860 level.
"Prospects ... seem good for a considerable extension of ore-bearing ground eastward along the [Z-G] fault."
Other porphyry intrusives have been noted along the Gilmore, Dimick & Uncle Sam
"A shattering of the porphyry seems to have been a necessary preliminary to ore deposition, & this is confined to major faults." "Galena has been found, however, as at the Brennahan & Ker prospects, not associated w/ any major fault."
This report contains maps of the Tybo and Dimick & Gilmore Mines along w/ detailed descriptions of the mines.
The Bunker Hill, Cunningham, Brennahan, Ker, Larsh, Rescue, and Swarbrick Prospects are also discussed.

Pardee, J.T., & Jones, E.L. Jr, U.S.G.S Bull 710-F, (1919)
DEPOSITS OF MN ORE IN NEV
Sunrise Prospect p. 239 - 2 in N of Tybo & 70 mi NE of Tonopah
Narrow veins along faults in travertine (FL)
Veins contain psilomelane & pyrolusite.
Replacement of travertine.
Veins 1-2 ft wide & not persistant
contain 20% Mn (10% might run 40% Mn)
One small pit - no shipments.

Spurr, J.E., USGS Bull 208 (1903) p 84-7
Descr of geol of Hot Creek Range

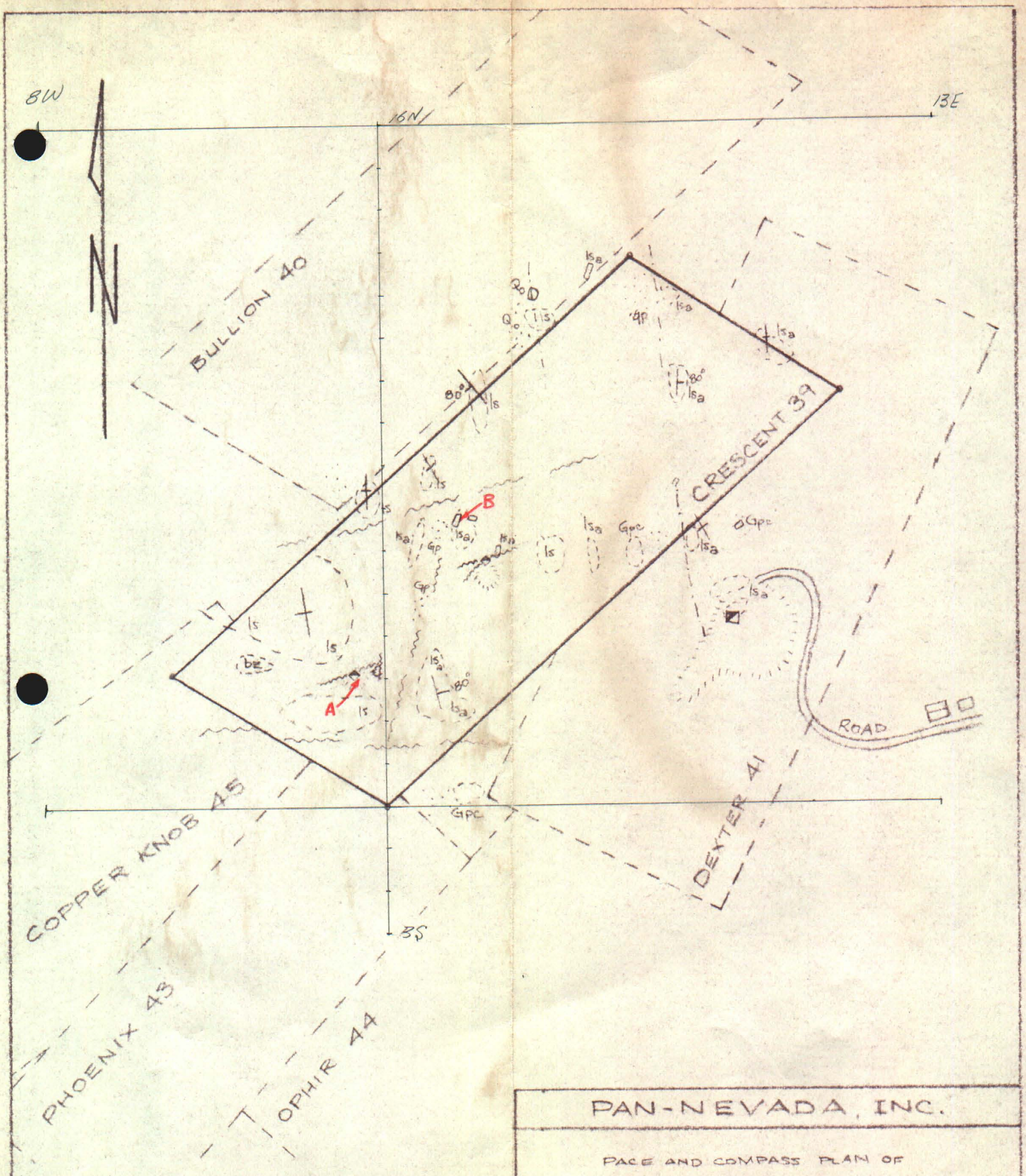
+KD

P-42

NOLAN, T.B., USGS Bull 871 (1936) MIN RESOURCES OF THE REGION AROUND BOULDER DAM [71]

TYBO MINE in May 1934 60 T.P.D. Lone. were shipped
At end of 1931 reserves were 163,000 T w/
.03 oz Au, 12.5 oz Ag, 7.5% Pb & 5.25% Zn.
PRODUCTION 1902-32 (90% 1929-31)
211,756 Tons yielding $2,375,000,
3,552.14 oz Au 1,668,894 oz Ag
33,986 # Cu 20,828,783 # Pb
12,678,846 # Zn

LINCOLN, F.C., Mining Dist & Min Resources of Nev Reno (1923), p195
Flotation plant & smelter built in 1920
Stibnite occurs in quartz veins in the Hot Springs section.



LEGEND

SHAFT & PIT	$G_{p(c)}$ GRANITIC PORPHYRY (COARSE)
STRIKE & DIP	Q_o QUARTZITE
FLOAT	bz BRECCIA ZONE
OUTCROP	ls_a ALTERED LIMESTONE
FAULT	ls LIMESTONE

PAN-NEVADA, INC.

PACE AND COMPASS PLAN OF

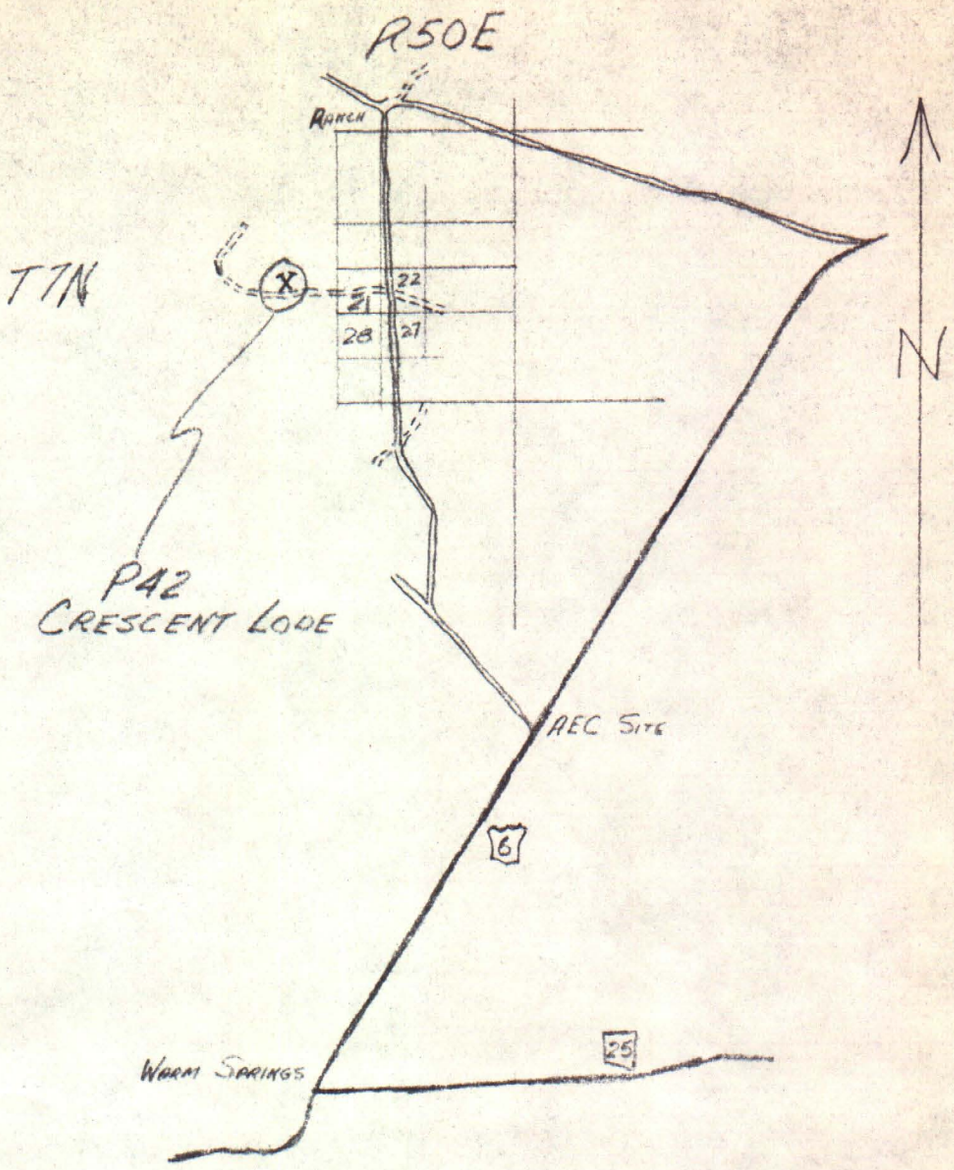
CRESCENT LODE

PATENT NO. 39

HOT CREEK MINING DIST.

NYE COUNTY, NEVADA

SCALE: 1 IN. = 300 FT	JAN. 31, 1969	N. J. BYRNE



CRESCENT LODE CLAIM

LOCATION MAP

T7N, R50E, S19

MDBM

NYE COUNTY

NEVADA

P42

SCALE

0 1 2 3 4 5

MILES

OFFICE OR 4-6663

RESIDENCE OW 2-1016

JACK F. GRIMM

OIL & GAS PRODUCER - GEOLOGIST

P. O. BOX 35 - 304 FIRST NATIONAL BANK BLDG.

ABILENE, TEXAS 79604

March 13, 1968

Frank W. Lewis
6904 Woodland Avenue
Van Nuys, California 91405

Dear Frank,

I would like to offer the following proposition to the owners of the Crescent Claim #39, located in the Hot Creek Mining District, Nye County, Nevada:

I would like to enter into a mining lease agreement with option to purchase the above claim for the sum of $25,000.00 payable out of 10% of the net smelter returns.

The lease option would be for a period of ten years. I would further agree to commence geological exploration on the property within 90 days from the date of the lease. If we are not in production at the end of a two years period, we would commence paying a minimum monthly royalty in the amount of $50.00 per month.

I would appreciate hearing from you as soon as possible if your company is interested in this proposition.

Check: What is this

Sincerely yours,

Dear Mr. Grimm:

Thank you very much for your interest in the Crescent Hot Creek Mine. My Company is not considering any leaseholds with end prices. Should this policy change I will be in touch and advise you.

Thanks again.

Good luck,

Frank W. Lewis

cc: Lamont
Buckley, James
Buckley, John
Ursery
Sherardin Hartford

JFG:jm
cc:ECE

March 7, 1968

John W. Buckley, President
Pantepec Internation, Inc.
% The Catawba Corporation
103 East 37th Street
New York, New York 10016

Dear Mr. Buckley:

This evening Mr. Jack Grimm called me from Texas. He wishes to lease your Hot Creek property - the Crescent Mine, U.S. Survey No. 39, Page 42 of your contract.

They are drilling other property there and want to drill your property in conjunction with theirs.

He wishes to have further discussions with me, and I will keep you advised of all matters.

Cordially,

Frank W. Lewis

FWL/sl

cc: Donald Lamont
James W. Buckley
Norman Ursel
Frank P. Gherardi, Hartford

COPY

What happened re this

OFFICE OR 4-5663 RESIDENCE OW 2-1016

JACK F. GRIMM
OIL & GAS PRODUCER - GEOLOGIST
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Ursel ✓
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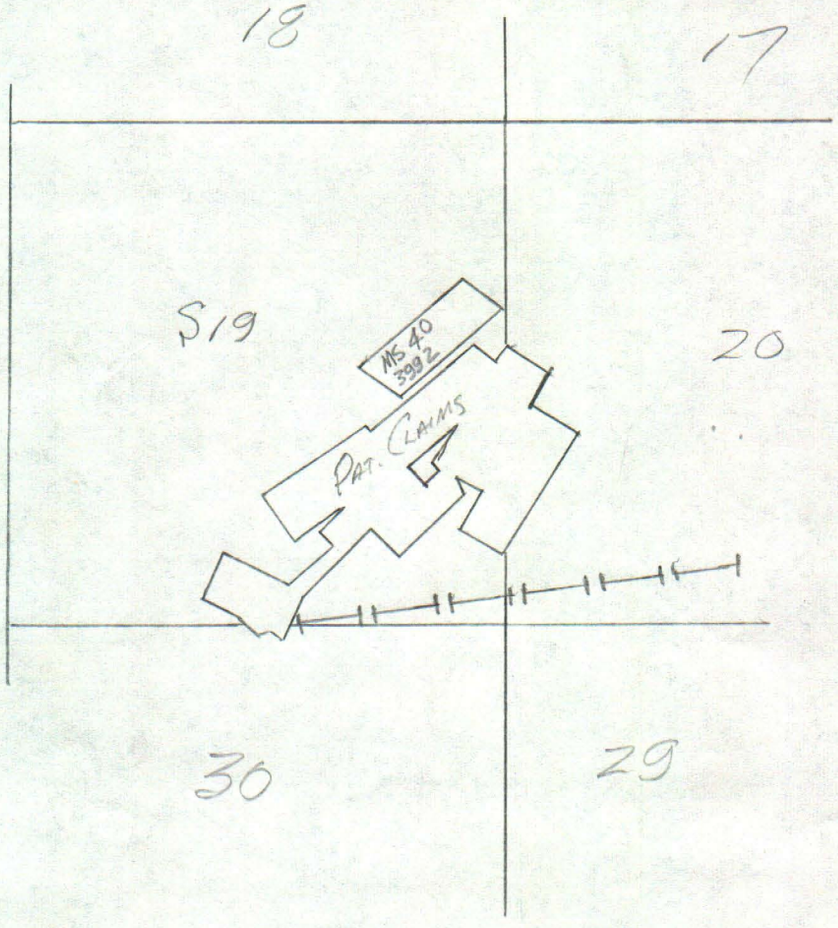
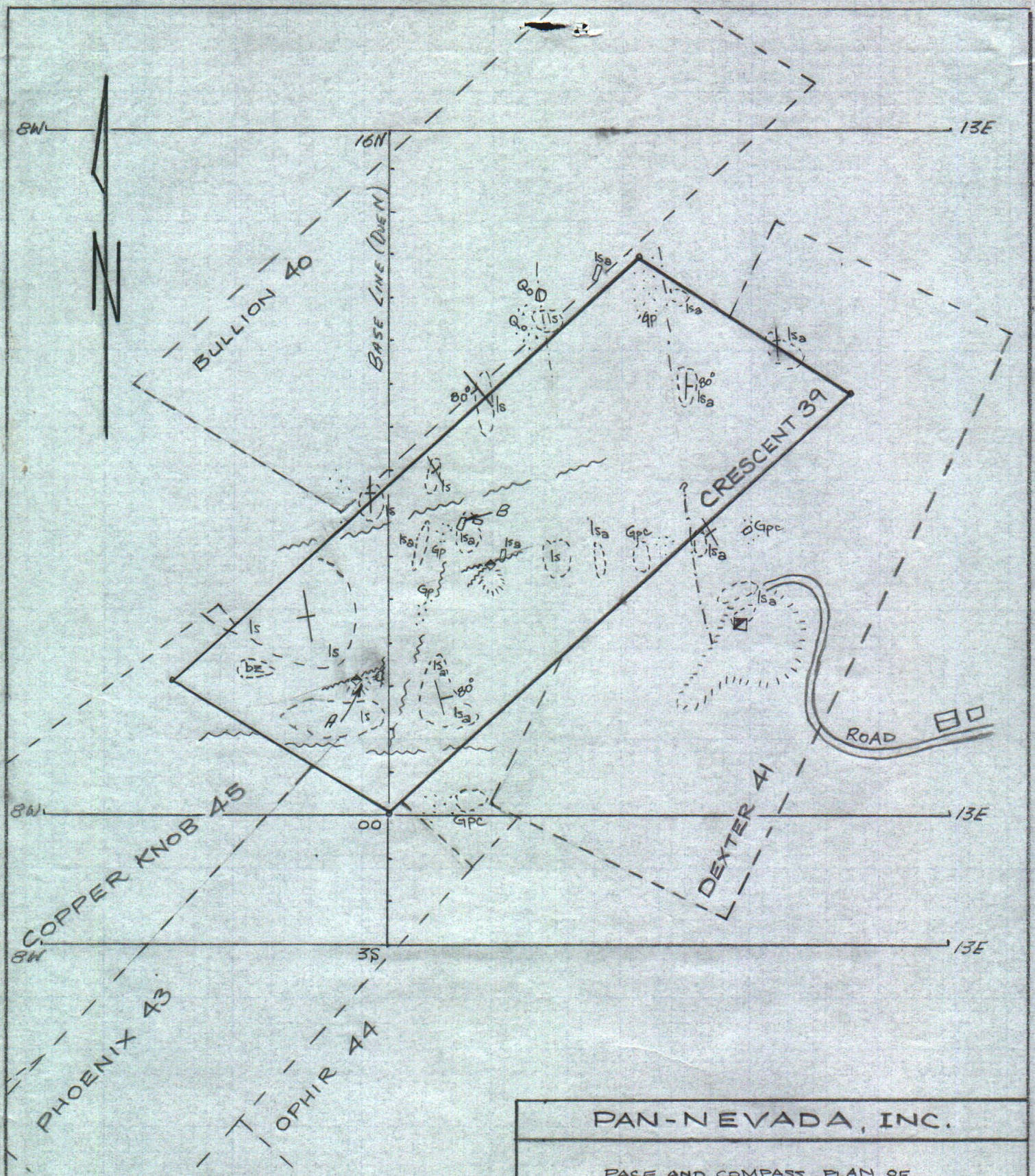
JFG:jm
cc:ECE

T7N R50E
S19



CRESCENT (PAZ) AREA



LEGEND

⊠0	SHAFT & PIT	Gp(c)	GRANITIC PORPHYRY (COARSE)
+	STRIKE & DIP	Q_o	QUARTZITE
⋰⋱	FLOAT	bz	BRECCIA ZONE
◌	OUTCROP	lsa	ALTERED LIMESTONE
≈	FAULT	ls	LIMESTONE

PAN-NEVADA, INC.

PACE AND COMPASS PLAN OF

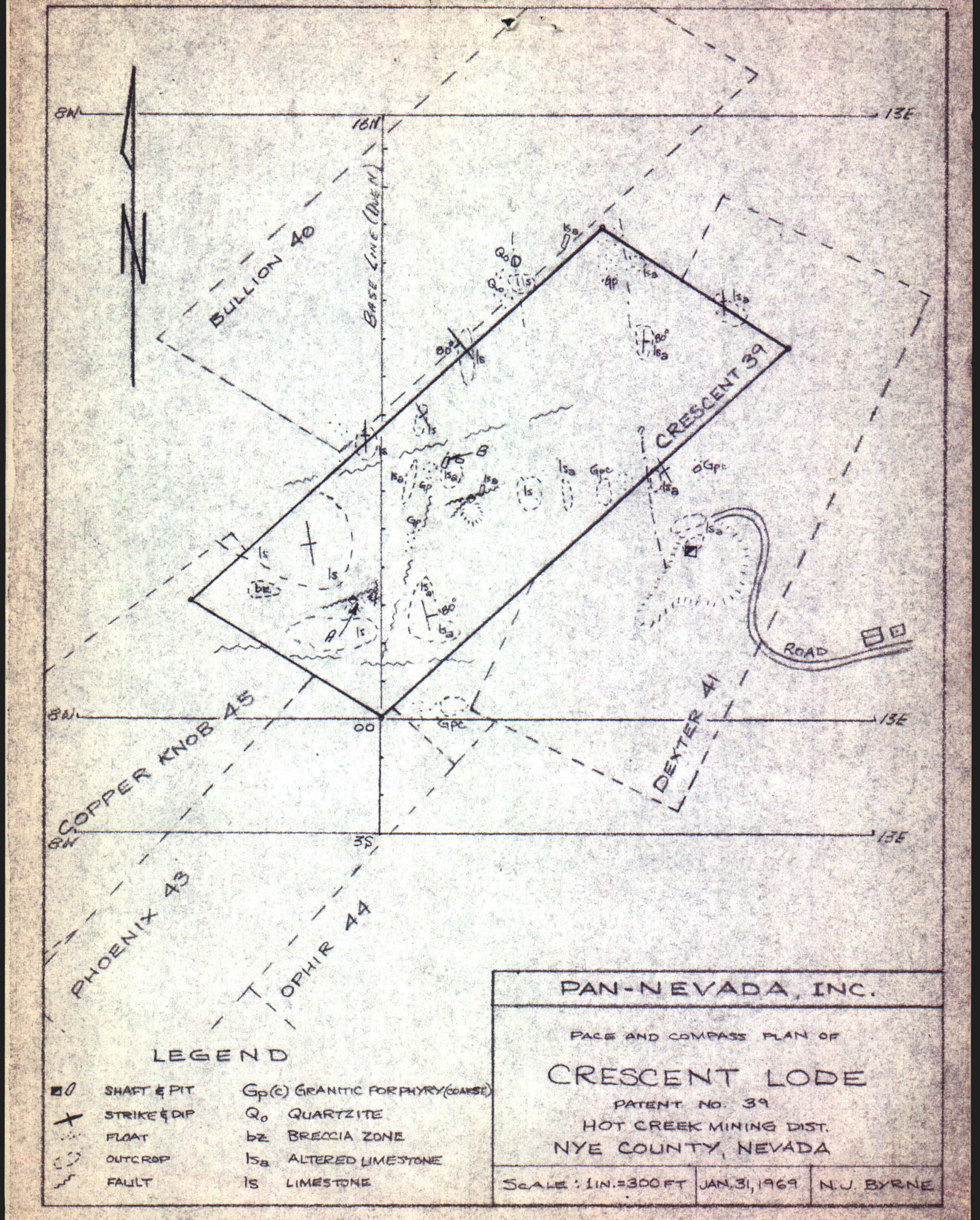
CRESCENT LODE

PATENT NO. 39

HOT CREEK MINING DIST.

NYE COUNTY, NEVADA

SCALE: 1 IN. = 300 FT	JAN. 31, 1969	N. J. BYRNE


8N
16N
13E
BULLION 40
BASE LINE (DUE N.)
CRESCENT 39
ROAD
8N
00
13E
COPPER KNOB 45
DEXTER 41
8N
35
13E
PHOENIX 43
OPHIR 44
LEGEND
SHAFT & PIT
STRIKE & DIP
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SCALE: 1 IN. = 300 FT
JAN. 31, 1969
N.J. BYRNE

RÉNA BAILEY
COUNTY CLERK
AND EX-OFFICIO CLERK
OF THE BOARD

COUNTY COMMISSIONERS
ANDREW M. EASON
ROBERT H. CORNELL
ROBERT H. RUUD

Board of County Commissioners
— OF —
Nye County
STATE OF NEVADA
TONOPAH

January 16, 1970

Frank Lewis
c/o L. B. Goldsmith
Suite 2830 Ryland Street
Reno, Nevada 89502

YOUR AFFIDAVIT OF LABOR was approved on Patented Mining claims in the Hot Creek Mining District as per attached copy of your affidavit.

1 Claims @ $500.00 = Amount Allowed $ 500.00

____ Claims @ $____ = Amount Allowed $____

Total Amount Allowed $ 500.00

BOARD OF COUNTY COMMISSIONERS

By Rena Bailey

TONOPAH TIMES-BONANZA

Affidavit for Relief of Assessment on Patented Mines

State of Nevada
County of ~~White Pine~~ Nye
} ss.

L. B. GOLDSMITH, being first duly sworn, on oath deposes and says:

That at least one hundred ($100.00) dollars worth of work or labor was performed upon THE "CRESCENT"

patented mine, situated in the HOT CREEK Mining District, County of ~~White Pine~~ Nye, State of Nevada, during the year of the making of this affidavit. Such labor was done at the expense of HARTFORD INTERNATIONAL INC. ~~(or one of the owners)~~ LESSOR of said patented mine FROM FRANK W. LEWIS

said mine being contiguous, for the purpose of relieving the same from the assessment. Said labor was performed by HARTFORD INTERNATIONAL & MC PHAR GEOPHYSICS INC ~~at about feet in a~~ OVER ALL OF THE CLAIM ~~direction from~~ and was done between the 30 day of MAY, 1969, and the 22 day of JUNE, 1969, and consisted of the following work: GEOLOGICAL SURVEYS AND INDUCED POLARIZATION SURVEYS

L. B. Goldsmith

SUBSCRIBED and sworn to before me this 12 day of December,

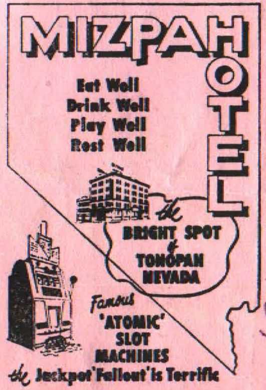
A. D. 1969

Vesta Rich Bohall

NOTE—If a group of patented mines are contiguous, the work for all the claims may be performed in one or more places, and if the work is performed in such a manner, it should be so stated in the above affidavit.

VESTA RICH BOHALL
Notary Public – State of Nevada
Washoe County
My Commission Expires April 23, 1973

APPROVED
JAN 15 1970
Chairman of Board of County Commissioners
of Nye County, State of Nevada



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Silver Queen Motel

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TONOPAH • NEVADA

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Bearer ______________ **ONE PACKAGE LUCKY NICKELS**

PLUS ONE LUCKY BUCK COUPON AND ONE COMPLIMENTARY DRINK

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PAYABLE ONLY AT THE
MIZPAH HOTEL CASINO
BY THE CASHIER

MIZPAH HOTEL & CASINO

L. E. Short

3S: Check 4-5-6E
10-11-12E
3-4-5W

2S: Check 5-6-7W

3S - 10-11-12E
ls, blk minor porph float, quartz in ls, siliceous ls.
-4-5-6E
ls & siliceous ls, rusty carbonate (siderite), minor quartz stringers.
-3-4-5W - ls @ g.v. rusty nodules (carbonate) in ls.

2S, -5-6-7W porph, g.v., ls @ 7W, siliceous.

1N, 7&9E
2N " "
3N 8&10E
4N "