



## **CONTACT INFORMATION**

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: JOPLIN MINE

ALTERNATE NAMES:

CAMPBELL  
MASSACHUSETTS GROUP

SANTA CRUZ COUNTY MILS NUMBER: 51D

LOCATION: TOWNSHIP 21 S RANGE 15 E SECTION 18 QUARTER NW  
LATITUDE: N 31DEG 36MIN 53SEC LONGITUDE: W 110DEG 50MIN 59SEC  
TOPO MAP NAME: MOUNT WRIGHTSON - 15 MIN

CURRENT STATUS: PAST PRODUCER

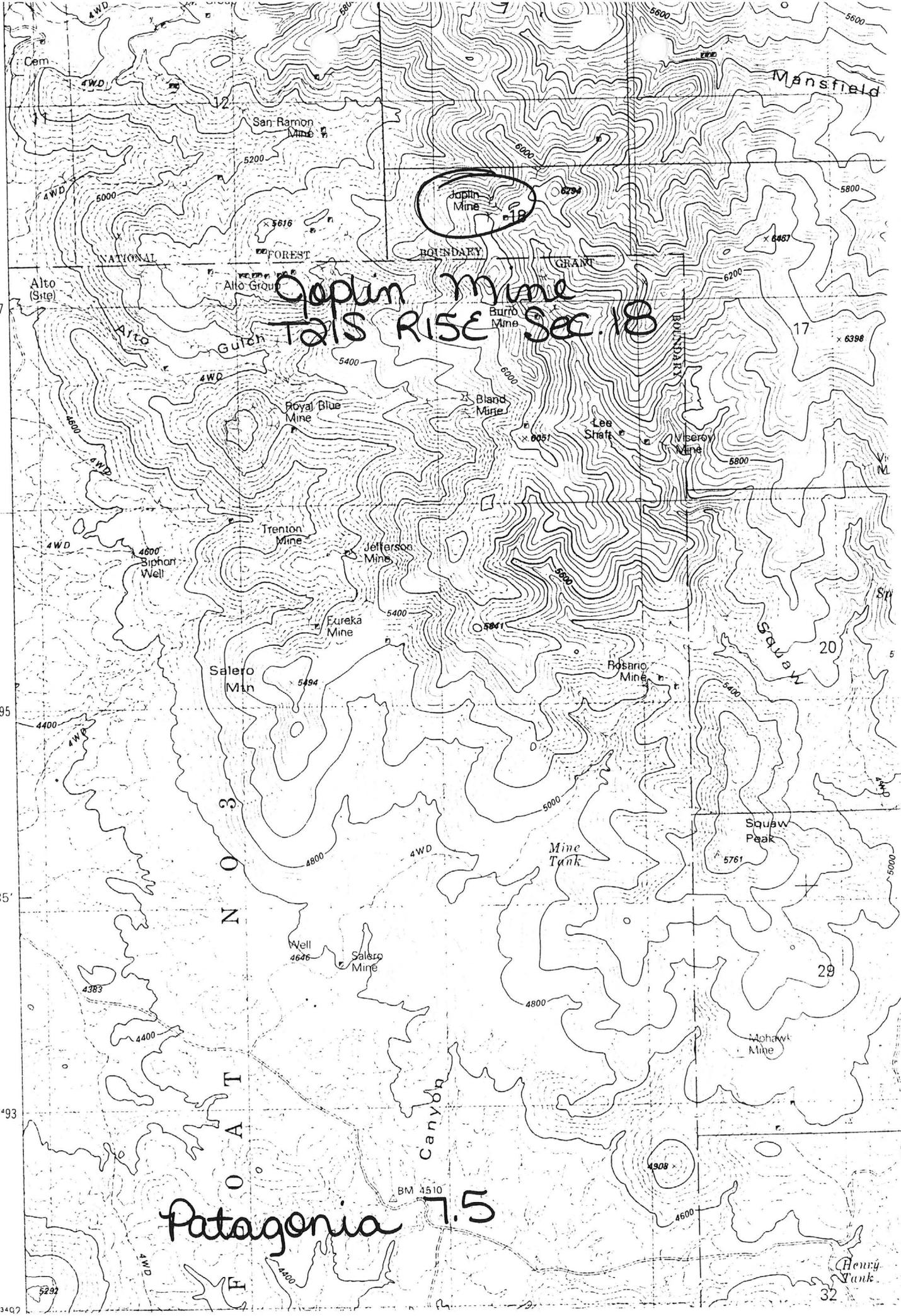
COMMODITY:

LEAD  
SILVER  
COPPER  
GOLD

BIBLIOGRAPHY:

KEITH, S.B., 1975 AZBM INDEX OF MINING PROP.  
USGS PP 748, P. 11-12  
AZBM CARD FILE SANTA CRUZ CO.  
USBM FIELD NOTES AG13  
SCHRADER, F.C., 1915, USGS BULL. 258, P. 205  
ADMMR JOPLIN MINE FILE  
USGS BULL. 582, P. 205  
ABM BULL. 191, P. 86

3498000mN  
3497  
3495  
35  
3493  
3492



Joplin Mine  
TALS RISE SEC. 18

Patagonia 7.5

BM 4510

Henry Tank

# CONTINENTAL MATERIALS CORPORATION

Mining Division Office: Suite 101, 2002 N. Forbes Blvd. \* P.O. Box 50726, Tucson, Arizona 85703 Phone (602) 882-4144

March 21, 1978

Dr. LeRoy Scharon  
Director of Exploration  
NL Industries, Inc.  
5926 McIntyre Street  
Golden, Colorado 80401

Dear Dr. Scharon:

Our land man, Harold M. Smithson, has discussed with you the interest of Continental Materials Corporation in examining the Mansfield and Joplin claims of NL Industries, Inc. in Santa Cruz County, Arizona. I learn from our counsel, Sidney M. Gunther, that NL Industries appears to be able to give us all surface rights we need to explore and to mine. We anticipate these claims would make up a portion of an exploration tract we are attempting to assemble in the area.

Continental would like to examine, with a view to acquiring, the claims on the following basis:

Expenditure. So long as Continental holds the claims it will expend an average of at least \$25,000 per year on the exploration tract.

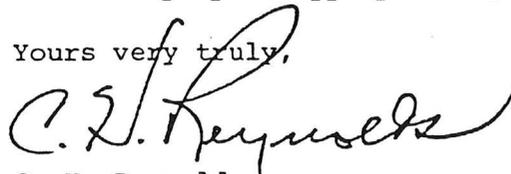
Royalty. Continental will pay NL Industries a royalty of 5% of net smelter returns on all ore it mines from the claims. This royalty will cease if Continental purchases the claims.

Purchase. NL Industries will grant to Continental an option to purchase all twenty-four (24) patented claims (subject only to the surface rights of Dr. Duane M. Kline) and such rights, if any, as NL Industries may have in the ten (10) unpatented claims for \$120,000.

The operation would be conducted by Continental's wholly owned Arizona subsidiary, Continental Copper, Inc.

If this arrangement is satisfactory, please let me know, and I will ask Mr. Gunther to work with David L. Nelson to prepare appropriate papers.

Yours very truly,

  
C. H. Reynolds

CHR/lk

cc: Harold M. Smithson  
Sidney M. Gunther

CJO ✓

\* GENERAL REFERENCES

- REFERENCE 1 F1 < USBM- ABGMT INDUCTION FILE DATA >
- REFERENCE 2 F2 < USBM FILE DATA - CLUSTER #109, JOPLIN MINE >
- REFERENCE 3 F3 < SCHRADER, 1915, USGS BULL 532, p.205 ✓ >
- REFERENCE 4 F4 < KEITH, S.B., 1975, ABM BULL 191, p.86 ✓ >

D10 < 25 TONS OF ORE SHIPPED TO THE EL PASO SMELTER IN 1904-1905 (SCHRADER, 30 TONS OF SULPHIDE ORE FOUND IN THE DAMP. >

L110 < THROUGH 1926 >

K5 < DIORITE COUNTRY ROCK >  
N5 < GRANITE PORPHYRY >

N70 < TREND OF VEIN AT EACH END OF OFFSET IS ALMOST A RIGHT ANGLE >  
N80 < CARBONATES >

- F5 < ABGMT FILES STANTON B. KEITH >  
F6 < DREWES H. 1971 USGS MAP T-614 (1:48000) >  
F7 < DREWES H. 1973, USGS PROFESSIONAL PAPER 748, p. 11-12 ✓ >  
F8 < ABGMT CLIPPINGS FILE, JOPLIN MINE >

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 < \_\_\_\_\_ > RECORD TYPE B20 < X, I, M > DEPOSIT NUMBER B40 < \_\_\_\_\_ >  
 REPORT DATE G1 < 82, 10, 4 > INFORMATION SOURCE B30 < 1, 2, 3 > FILE LINK IDENT. B50 < USBM-0040230245 >  
YR MO  
 REPORTER(SUPERVISOR) G2 < LARABA PETER > (last, first, middle initial) < CALDER SUSAN > (last, first, middle initial)  
 REPORTER AFFILIATION G5 < ABGMT > SITE NAME A10 < JOPLIN MINE >  
 SYNONYMS A11 < MASSACHUSETTS GROUP >

LOCATION

MINING DISTRICT/AREA A30 < SALERO DISTRICT >  
 COUNTY A60 < SANTA CRUZ > STATE A50 < AZ > COUNTRY A40 < U.S. >  
 PHYSIOGRAPHIC PROV A63 < 1, 2, 3 >  
 DRAINAGE AREA A62 < 1, 5, 0, 5, 0, 3, 0, 1, 1, 1, LOWER COLORADO > LAND STATUS A64 < 4, 1, 1, 1, 1, 1, 9, 7, 9, 1 >  
 QUADRANGLE NAME A90 < PATAGONIA, ARIZ. > (1, 1, 9, 8, 1, 1) QUADRANGLE SCALE A100 < 24, 000 >  
 SECOND QUAD NAME A92 < MT. WRIGHTSON > (1, 1, 9, 5, 8, 1, 1) SECOND QUAD SCALE A91 < 62, 500 >  
 ELEVATION A107 < 6, 000 FT >

UTM ACCURACY GEODETIC  
 NORTHING A120 < 3497410 > ACCURATE ACC (circle) ESTIMATED EST < \_\_\_\_\_ > LATITUDE A70 < 31-36-53 N >  
 EASTING A130 < 514350 > LONGITUDE A80 < 110-50-59 W >  
 ZONE NUMBER A110 < 12 >

CADASTRAL  
 TOWNSHIP(S) A77 < 021 S > RANGE(S) A78 < 01 SE >  
 SECTION(S) A79 < 18 >  
 SECTION FRACTION(S) A76 < NE OF NW >  
 MERIDIAN(S) A81 < GILA AND SALT RIVER >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < 1.7 MILES NE OF SALERO MTN. (ELV. 5494) >  
 LOCATION COMMENTS A83 < AT THE HEAD OF APACHE GULCH; 3/4 MILE NE OF ALTO MINE GROUP; 1/2 MILE NORTH OF BURRO MINE >

- ESSENTIAL INFORMATION  
 - ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

COMMODITIES PRESENT C10 <PB, KU, MAU, ...>
ORE MINERALS C30 <ARGENTIFEROUS GALENA, CHALCOPYRITE, PYRITE>
COMMODITY SUBTYPES C41 <>
GEN. ANALYTICAL DATA C43 <ORE VALUES AVERAGED 14% Pb, 13.02 TON Ag, 2% Cu, 0.3 OZ/TON Au>
COM. INFO. COMMENTS C50 <>

\* SIGNIFICANCE

MAJOR PRODUCTS MAJOR <PB, KU, MAG, ...>
MINOR PRODUCTS MINOR <AU, ...>
POTENTIAL PRODUCTS POTEN <>
OCCURRENCES OCCUR <>

\* PRODUCTION

PRODUCTION YES (circle) PRODUCTION SIZE SML MED LGE (circle one)
NON-PRODUCER PRODUCTION UND NO (circle one)

\* STATUS

EXPLORATION OR DEVELOPMENT

STATUS AND ACTIVITY A20 <H>
STATUS AND ACTIVITY A20 <L>

DISCOVERER L20 <>
YEAR OF DISCOVERY L10 <> NATURE OF DISCOVERY L30 <B> YEAR OF FIRST PRODUCTION L40 <1904> YEAR OF LAST PRODUCTION L45 <1926>
PRESENT/LAST OWNER A12 <>
PRESENT/LAST OPERATOR A13 <>
EXPL./DEV. COMMENTS L110 <THREE PATENTED CLAIMS; OWNERS AND OPERATORS INCLUDED CAMPBELL (1879), JOPLIN MINING CO. (1915), C.A. PIERCE (1925-26); WORKED INTERMITTENTLY FROM THE 1880'S TO C. RASMUSSEN, F. RICHERT (1914),>

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 <VEIN / SHEAR ZONE; DISSEMINATION>
DEPOSIT FORM/SHAPE M10 <SHOOTS; IRREGULAR LENSING VEIN>
DEPTH TO TOP M20 <> UNITS M21 <> MAXIMUM LENGTH M40 <> UNITS M41 <>
DEPTH TO BOTTOM M30 <> UNITS M31 <> MAXIMUM WIDTH M50 <2> UNITS M51 <FT>
DEPOSIT SIZE M15 <SMALL> M15 <MEDIUM> M15 <LARGE> (circle one) MAXIMUM THICKNESS M60 <100> UNITS M61 <FT>
STRIKE M70 <> DIP M80 <STEEPLY TO THE SOUTH>
DIRECTION OF PLUNGE M100 <> PLUNGE M90 <>
DEP. DESC. COMMENTS M110 <ORE SHOOT RANGING IN WIDTH FROM 3 INCHES TO 1 FT, EXTENDS FAIRLY CONTINUOUSLY ALONG FOOTWALL OF VEIN>

DESCRIPTION OF WORKINGS

Workings are: SURFACE M120 UNDERGROUND M130 BOTH M140 (circle one)
DEPTH BELOW SURFACE M160 <110> UNITS M161 <FT>
LENGTH OF WORKINGS M170 <1000> UNITS M171 <FT>
DEVELOPED BY ABOUT 1000-FT OF WORKINGS, WHICH INCLUDE A 110-FT SHAFT, 100-FT DRIFT, AND A 220-FT CROSSCUT TUNNEL.

GEOLOGY

AGE OF HOST ROCK(S) K1 <LCRET, ... 67 m.y. BY K-AR DATING METHOD (DREWES, H, 1971)>
HOST ROCK TYPE(S) K1A <FINE-GRAINED BROWNISH-GRAY QUARTZ DIORITE>
AGE OF IGNEOUS ROCK(S) K2 <JUR, ... 145 m.y. BY K-AR DATING METHOD (DREWES, H, 1971)>
IGNEOUS ROCK TYPE(S) K2A <PINK COARSE GRAINED GRANITE AND QUARTZ MONZONITE>
AGE OF MINERALIZATION K3 <LCRET, ...>
PERT. MINERALS (NOT ORE) K4 <QUARTZ GANGUE>
ORE CONTROL/LOCUS K5 <ORE SHOOTS IN FOOTWALL OF FISSURE VEIN; DISSEMINATED SULFIDES IN QUARTZ>
MAJ. REG. TRENDS/STRUCT. N5 <QUARTZ VEINS ALONG FAULT FISSURES AND CONTACT ZONES IN QUARTZ DIORITE AND>
TECTONIC SETTING N15 <SALERO FAULT BLOCK>
SIGNIFICANT LOCAL STRUCT. N70 <AT 100 FT DEPTH, VEIN OFFSET 15 FT TO NORTH BY NEARLY HORIZONTAL SLIP OR FAULT;>
SIGNIFICANT ALTERATION N75 <VEIN CONSISTS MAINLY OF ALTERED DIORITE AND QUARTZ>
PROCESS OF CONC./ENRICH. N80 <SECONDARY ENRICHMENT; OXIDIZED AND ENRICHED IN SILVER VALUES AND COPPER>
FORMATION AGE N30 <>
FORMATION NAME N30A <>
SECOND FM AGE N35 <>
SECOND FM NAME N35A <>
IGNEOUS UNIT AGE N50 <JUR, ...>
IGNEOUS UNIT NAME N50A <SQUAW GULCH GRANITE>
SECOND IG UNIT AGE N55 <LCRET, ...>
SECOND IG UNIT NAME N55A <JOSEPHINE CANYON DIORITE>
GEOLOGY COMMENTS N85 <AT FAULT OFFSET, ORE SHOOT IS 3 INCHES WIDE; ORE IS RICH AT OFFSET AND JUST BELOW OFFSET WHERE SHOOT RESUMES NORMAL WIDTH>

GENERAL COMMENTS

GENERAL COMMENTS GEN <>