

AFFIDAVIT OF PERFORMANCE OF  
LABOR ON LODE MINING CLAIMS

GEOCHEMICAL SURVEY REPORT

STATE OF NEVADA  
COUNTY OF EUREKA

Before me, the subscribed, personally appeared Terry K. Koehn for NL Industries, Inc./NL Baroid who being duly sworn, says at least FOURTEEN HUNDRED DOLLARS (\$1400.00) worth of work or improvements were performed or made upon the following described lode mining claims:

<u>CLAIM NAME</u>	<u>DATE LOCATED</u>	<u>BOOK</u>	<u>PAGE</u>	<u>BLM SERIAL NUMBER</u>
BC-1	February 28, 1980	79	567	NMC-146838
BC-2	February 28, 1980	79	568	NMC-146839
BC-3	February 28, 1980	79	569	NMC-146840
BC-4	February 28, 1980	79	570	NMC-146841
BC-5	February 28, 1980	79	571	NMC-146842
BC-6	February 28, 1980	79	572	NMC-146843
BC-7	February 28, 1980	79	573	NMC-146844
BC-8	February 28, 1980	79	574	NMC-146845
BC-9	February 28, 1980	79	575	NMC-146846
BC-10	February 28, 1980	79	576	NMC-146847
BC-11	February 28, 1980	79	577	NMC-146848
BC-12	February 28, 1980	79	578	NMC-146849
BC-13	February 28, 1980	79	579	NMC-146850
BC-14	February 28, 1980	79	580	NMC-146851

Map File Number 72901

all being lode mining claims situated in the "unknown" Mining District, County of Eureka, State of Nevada (Section 28 & 33, T23N, R48E) during assessment year ending September 1, 1981 that such expenditure was made by NL Industries, Inc., a New Jersey corporation acting by and through its NL Baroid Division, P.O. Box 1675, Houston, Texas, 77001, owner of said claims for the purpose of holding said claims.

Said work consisted of a geochemical survey permitted by Federal Statutes 30 U.S.C. 28.1; 30 U.S.C. 28-2; and 43 C.F.R. S3851.2 and was performed during the period July 26, 1981 to August 31, 1981.

GEOCHEMICAL SURVEY

The survey consisted of geochemical soil and rock chip sampling along lines of traverse located on each mining claim. Rock chip and soil samples were collected on nine (9) traverse lines of varying length and positioned at a distance of 750 feet from each other. In addition to three (3) rock chip samples taken along the traverse lines, a total of ninety-one (91) soil samples were collected at a constant depth of six (6) inches on 300 foot intervals. Collected samples were analyzed for arsenic, barium, copper, gold, silver, and zinc utilizing accepted analytical techniques.

The locations and lengths of the nine survey traverse lines are as follows:

Traverse 1: Starting at the NW corner of the BC-1 lode claim (1490 feet north and 300 feet west of the BC-1 location monument) the traverse extends 3000 feet in an eastern direction, bearing east-west.

- Traverse 2: Starting at the west side center of the BC-1 lode claim (740 feet north and 300 feet west of the BC-1 location monument) the traverse extends 3000 feet in an eastern direction, bearing east-west.
- Traverse 3: Starting at the SW corner of the BC-1 lode claim (10 feet south and 300 feet west of the BC-1 location monument) the traverse extends 3000 feet in an eastern direction, bearing east-west.
- Traverse 4: Starting at the west side center of the BC-2 lode claim (740 feet south and 300 feet west of the BC-2 location monument) the traverse extends 3000 feet in an eastern direction, bearing east-west.
- Traverse 5: Starting at the SW corner of the BC-2 lode claim (1490 feet south and 300 feet west of the BC-2 location monument) the traverse extends 3000 feet in an eastern direction, bearing east-west.
- Traverse 6: Starting 600 feet west of the west side center of the BC-11 lode claim (740 feet north and 900 feet west of the BC-11 location monument) the traverse extends 2400 feet in an eastern direction, bearing east-west.
- Traverse 7: Starting 600 feet west of the SW corner of the BC-11 lode claim (10 feet south and 900 feet west of the BC-11 location monument) the traverse extends 2400 feet in an eastern direction, bearing east-west.
- Traverse 8: Starting 600 feet west of the west side center of the BC-12 lode claim (740 feet south and 900 feet west of the BC-12 location monument) the traverse extends 2400 feet in an eastern direction, bearing east-west.
- Traverse 9: Starting 600 feet west of the SW corner of the BC-12 lode claim (10 feet south and 900 feet west of the BC-12 location monument) the traverse extends 2400 feet in an eastern direction, bearing east-west.

Results of the sample analysis identify areas with moderately high values for the elements analyzed. These anomalous areas correlate with the existing mineralized structures and indicate that an apparent correlation exists between background values for some of the elements analyzed and rock types occurring in the sampled area. Further interpretation and examination will be required to explain other determined anomalous areas.

The survey was performed by qualified personnel employed by NL Industries, Inc./NL Baroid, P.O. Box 2150, Elko, Nevada, 89801, and all geochemical analyses were performed by Skyline Labs, Inc., 12090 West 50th Place, Wheatridge, Colorado, 80033 on behalf of NL Industries, Inc. All exploration and improvements were made for the purpose of actively developing and holding said claims.

The geochemical survey team employed by NL Industries, Inc. consisted of three geochemical samplers/geologists and was directed by a staff geologist. An expenditure of over FOURTEEN HUNDRED DOLLARS (\$1534.01) was paid by NL Industries, Inc. to Skyline Labs, Inc. for the geochemical analysis. A report of the survey is on file with NL Industries, Inc./NL Baroid.



Names, Addresses, and Professional Backgrounds:

Terry K. Koehn - Staff Geologist, NL Industries, Inc./NL Baroid.  
Bachelor of Science - Geology, University of Wisconsin, 1978.  
Experience (3 years) in Western United States Geochemistry.

Star Downs - Geochemical Sampler/Geologist, NL Industries, Inc./  
NL Baroid. Bachelor of Science - Geology, Fort Lewis College,  
Colorado, 1979.

Diane Groody - Geochemical Sampler/Geologist, NL Industries, Inc./  
NL Baroid. Bachelor of Science - Geology, Fort Lewis College,  
Colorado, 1979.

Mary Beth Kitz - Geochemical Sampler/Geologist, NL Industries, Inc./  
NL Baroid. Bachelor of Science - Geology, University of  
Wisconsin, 1981.

Gordon H. VanSickle - Geochemist, Vice President and Laboratory  
Manager, Skyline Labs, Inc.

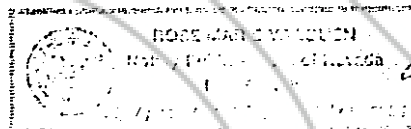
NL INDUSTRIES, INC.

Star Downs  
Witness

by Terry Koehn

Rose Marie Ungar  
Witness

Subscribed and sworn to before me this 21<sup>st</sup> day of  
September 1981.



Rose Marie Ungar  
Notary Public

My Commission Expires 7-9-84

RECORDED AT REQUEST OF  
NL Baroid  
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OFFICIAL RECORDS  
EUREKA COUNTY, NEVADA  
WILLIS A. DEPAOLI-RECORDER  
FILE NO. 82212  
FEE \$ 7.00