

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 TWO HUNDRED DOLLARS (\$200.00) 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>
Red Canyon 3	July 16, 1980	84	455	NMC-162065
Red Canyon 4	July 16, 1980	84	456	NMC-162066

Map File Number 75252

all being lode mining claims situated in the "unknown" Mining District, County of Eureka, State of Nevada (sec. 17 and 20, T23N, R50E) during assessment year ending September 1, 1981 that such expenditure was made 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 11, 1981 to July 29, 1981.

GEOCHEMICAL SURVEY

Eighteen (18) geochemical/soil and rock chip samples were collected on a grid with spacing of 300 feet located on each mining claim. A total of eleven (11) soil samples were taken at a constant depth of six (6) inches while an additional seven (7) rock chip samples were taken on the grid. Collected samples were analyzed for arsenic, barium, copper, gold, silver, and zinc utilizing accepted analytical techniques.

The sample grid can be described in terms of three traverses each 1200 feet in length. The locations and bearings of the three survey traverse lines are as follows:

- Traverse 1: Starting at the NW corner of the Red Canyon 3 lode claim (750 feet north and 300 feet west of the Red Canyon 3 location monument) the traverse extends 1200 feet in an eastern direction, bearing east-west.
- Traverse 2: Starting at the west side center of the Red Canyon 3 lode claim (300 feet west of the Red Canyon 3 location monument) the traverse extends 1200 feet in an eastern directions, bearing east-west.
- Traverse 3: Starting at the SW corner of the Red Canyon 3 lode claim (750 feet south and 300 feet west of the Red Canyon 3 location monument) the traverse extends 1200 feet in an eastern direction, bearing east-west.

Several geochemical targets identified from the survey are delineated. The significance of the finds is presently unknown; further interpretation and examination will be required to explain these results.

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 TWO HUNDRED DOLLARS (\$256.07) 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 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

Star Downs  
Witness

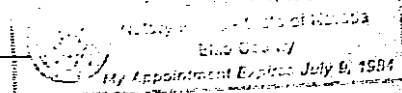
by Terry K. Koehn  
Terry K. Koehn

Rita Hansen  
Witness

Subscribed and sworn to before me this 7th day  
of August 1981.

Rosa Marie Hagan  
Notary Public

My Commission Expires 7-9-84



RECORDED AT REQUEST OF  
NL Baroid  
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OFFICIAL RECORDS  
CLERK COUNTY, NEVADA  
WILLIS A. DEACON - RECORDER  
FILE NO. 81923  
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