

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

**Spectrographic analyses of insoluble-residue samples,
Harrison 1° x 2° quadrangle, Missouri and Arkansas:
Drill holes nos. 26, 27, and 28**

by

M. S. Erickson and B. Chazin

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the U.S. Geological Survey.

U.S. Geological Survey, P.O. Box 25046, DFC, MS 973, Denver, Colorado 80225

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INTRODUCTION

Geochemical studies of the Harrison 1° x 2° quadrangle, Missouri and Arkansas, were begun in 1983 as part of a multidisciplinary study of the quadrangle by the U.S. Geological Survey, the Missouri Division of Geology and Land Survey, and the Arkansas Geological Commission. The purpose of the study was to assess the mineral resource potential of the area by integrated geologic, geochemical, and geophysical studies.

The geochemical work has been directed at the characterization of the sedimentary rocks in the quadrangle through spectrographic analyses of dilute-hydrochloric-acid insoluble-residue samples of whole rock from widely spaced drill holes. Drill holes have been selected for study from the sample libraries of the Missouri Division of Geology and Land Survey and the Arkansas Geological Commission. None of the holes are company confidential and none intersect economically significant mineralized ground.

The analytical results for drill hole no. 26 (Arkansas I.D., Searcy Co. hole no. 26), drill hole no. 27 (Arkansas I.D., Marion Co. hole no. 27), and drill hole no. 28 (Arkansas I.D., Marion Co. hole no. 28) are given in this report. These holes were drilled for company-use only, and their USGS number corresponds to the State drill-hole ID number. They can be located in the Arkansas sample repository by these numbers. Drill hole no. 26 is located in sec. 14, T. 16 N., R. 16 W. in Searcy County, Arkansas; drill hole no. 27 is located in sec. 32, T. 18 N., R. 14 W. in Marion County, Arkansas; and drill hole no. 28 is located in sec. 30, T. 18 N., R. 15 W. in Marion Co., Arkansas. Data for the insoluble-residue samples in drill holes 26, 27, and 28 are listed in tables 1, 2, and 3, respectively. State I.D., well name and/or well county number, county, and location allow identification and the ability to locate samples in Arkansas at the Arkansas Geologic Commission, Little Rock, Arkansas.

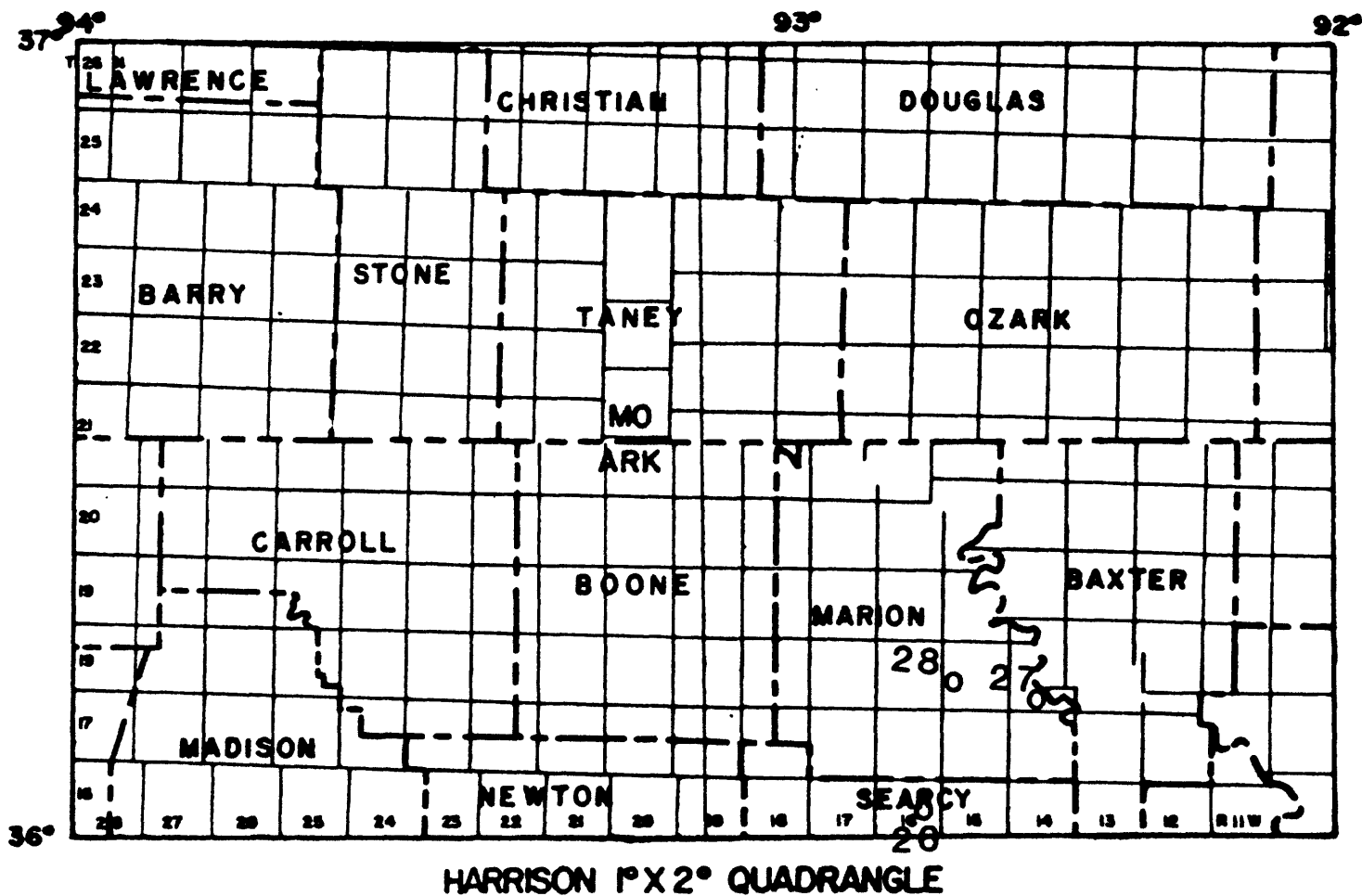
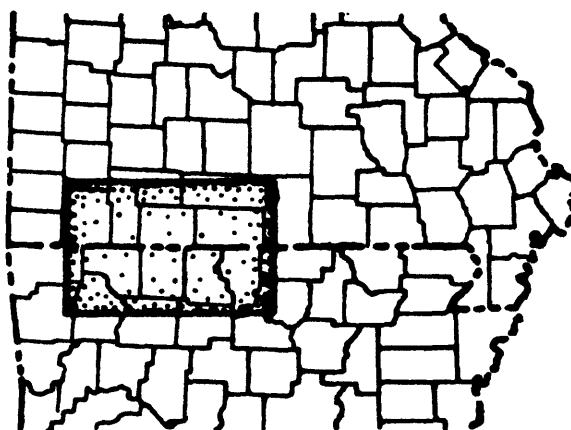
PREPARATION AND ANALYSIS OF SAMPLES

Insoluble residues were prepared by dissolving approximately 80 grams of crushed carbonate rock in repeated applications of 1:5 hydrochloric acid until the carbonate was removed. The samples were then filtered and dried overnight at 50°C.

The samples were then pulverized to minus 140 mesh (0.105 mm) in a vertical grinder equipped with ceramic plates. Some insoluble-residue samples contained only a few milligrams of material, and these were hand ground in an agate mortar and pestle. A hand magnet was passed over the insoluble-residue samples before grinding to remove filings or chips of drill bit that might have been present.

Each sample was analyzed semiquantitatively for 31 elements using a six-step D.C.-arc optical-emission spectrographic method (Grimes and Marranzino, 1968).

The semiquantitative spectrographic values are reported as six steps per order of magnitude (1, 0.7, 0.5, 0.3, 0.2, and 0.15) and are approximate geometric midpoints of the concentration ranges. The precision is shown to be within one adjoining reporting interval on each side of the reported value 83 percent of the time and within two adjoining intervals on each side of the reported value 96 percent of the time (Motooka and Grimes, 1976).



Locations of drill holes discussed in this report

The visual lower limits of determination for the 31 elements that were determined spectrographically for this report are as follows:

For those given in percent:

Calcium	0.05
Iron	0.05
Magnesium	0.02
Titanium	0.002

For those given in ppm:

Antimony	100	Molybdenum	5
Arsenic	200	Nickel	5
Barium	20	Niobium	20
Beryllium	1	Scandium	5
Bismuth	10	Silver	0.5
Boron	10	Strontium	100
Cadmium	20	Thorium	100
Chromium	10	Tin	10
Cobalt	5	Tungsten	50
Copper	5	Vanadium	10
Gold	10	Yttrium	10
Lanthanum	20	Zinc	200
Lead	10	Zirconium	10
Manganese	10		

DESCRIPTION OF DATA TABLES

Each sample is identified by an eight-character code beginning with the letter H, signifying Harrison. The letter R either follows this number or appears at the end of the character code, and signifies insoluble residue. The next number signifies the USGS drill-hole number. The last four digits identify the depth of the sample from the drill-hole collar. Most samples are composites of approximate 10-foot intervals, dependent upon the original sample intervals and upon the amount of sample material available for analysis.

The stratigraphic unit of the sample is identified by a coded number in the last column (tables 1 through 3) following the thorium column. The code and formation names are as follows:

<u>Code</u>	<u>Formation</u>
17	Gunter Sandstone member of the Gasconade Formation
30	Chattanooga Shale
31	Undifferentiated Mississippian units
32	Undifferentiated Pennsylvanian units
40	Undifferentiated Ordovician units
41	Undifferentiated Cambrian units

EXPLANATION OF DATA

The columns in tables 1 through 3 have headings of sample, elements, and formation. The letter S over the columns signifies emission-spectrographic data.

Iron, magnesium, calcium, and titanium are reported in percent (%); all other elements are in parts per million. Other symbols shown on the tables are: N = Not detected at the limit of determination shown; < = Detected, but below the limit of determination shown; and > = Greater than the limit of determination shown. Because of the formatting used in the computer program that produced tables 1-3, some of the elements listed in these tables (Fe, Mg, Ca, Ti, Ag, and Be) carry one or more nonsignificant zeros to the right of the significant digits. The analyst did not determine these elements to the accuracy suggested by the extra zeros.

RASS

Upon completion of all analytical work, the information from the samples is entered into a computer-based file called RASS (Rock Analysis Storage System). This RASS file contains both descriptive geological information and analytical data. Any or all of this information may be retrieved and placed in a standard form (STATPAC) for computerized statistical manipulation or publication (VanTrump and Miesch, 1977).

ACKNOWLEDGMENTS

The authors wish to thank the Missouri Division of Geology and Land Survey--Dr. Wallace B. Howe, former Director, and Dr. J. Hadley Williams, Director--and the Arkansas Geological Commission, Dr. Norman F. Williams, State Geologist, for making these drill-hole samples available from their sample libraries.

REFERENCES

- Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating-current spark emission spectrographic field methods for the semiquantitative analysis of geologic materials: U.S. Geological Survey Circular 591, 6 p.
- Missouri Geological Survey, 1979, Geologic Map of Missouri: Rolla, Missouri, scale 1:500,000.
- Motooka, J. M., and Grimes, D. J., 1976, Analytical precision of one-sixth order semiquantitative spectrographic analyses: U.S. Geological Survey Circular 738, 25 p.
- VanTrump, George, Jr., and Miesch, A. T., 1977, The U.S. Geological Survey RASS-STATPAC system for management and statistical reduction of geochemical data: Computers and Geosciences, v. 3, p. 475-488.

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H26, HARRISON 1 X 2 QUADRANGLE, MISSOURI AND ARKANSAS.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Aq-ppm s	As-ppm s	Au-ppm s	B-ppm s	Be-ppm s
H260175R	7.00	1.00	.07	.500	70	N	N	N	500	300
H260185R	7.00	1.50	.07	1.000	100	N	N	N	300	500
H260194R	.10	.10	<.05	.030	10	N	N	N	20	20
H260204R	.30	.30	<.05	.100	15	N	N	N	100	50
H260214R	1.00	.50	<.05	.150	20	N	N	N	100	50
H260224R	.20	.20	<.05	.100	10	N	N	N	50	50
H260233R	.05	.03	<.05	.050	<10	N	N	N	50	<20
H260242R	.05	.03	<.05	.015	<10	N	N	N	10	20
H260252R	.15	.20	<.05	.010	<10	N	N	N	10	<20
H260262R	<.05	.10	.10	.050	<10	N	N	N	20	50
H260272R	.10	.15	.10	.050	<10	N	N	N	20	50
H260282R	.50	.20	<.05	.100	<10	N	N	N	50	70
H260292R	.50	.50	<.05	.200	10	N	N	N	100	200
H260301R	.10	.05	.07	.030	<10	N	N	N	15	<20
H260311R	.70	.50	<.05	.200	10	N	N	N	100	100
H260321R	<.05	.02	<.05	.010	<10	N	N	N	<10	20
H260332R	.05	.03	<.05	.015	<10	N	N	N	10	<20
H260340R	<.05	.10	.10	.010	<10	N	N	N	10	30
H260350R	<.05	.15	.10	.015	<10	N	N	N	10	<20
H260360R	.07	.10	<.05	.015	<10	N	N	N	10	<20
H260370R	<.05	.05	<.05	.010	<10	N	N	N	10	50
H260380R	<.05	.02	<.05	.007	<10	N	N	N	10	20
H260390R	<.05	.02	<.05	.010	<10	N	N	N	<10	<20
H260400R	<.05	.05	<.05	.010	<10	N	N	N	10	20
H260410R	.10	.05	<.05	.050	<10	N	N	N	15	30
H260419R	.10	.03	<.05	.030	<10	N	N	N	10	20
H260429R	<.05	.03	<.05	.010	<10	N	N	N	20	50
H260438R	<.05	.05	<.05	.020	<10	N	N	N	15	30
H260448R	.10	.05	.05	.020	<10	N	N	N	20	50
H260458R	.05	.03	<.05	.005	<10	N	N	N	20	20
H260468R	.20	.03	<.05	.020	<10	N	N	N	20	30
H260479R	.15	.05	.15	.020	<10	N	N	N	50	30
H260489R	.30	.20	.20	.150	<10	N	N	N	100	100
H260498R	.05	.02	<.05	.020	10	N	N	N	20	20
H260507R	<.05	.03	<.05	.005	10	N	N	N	10	20
H260517R	.50	.70	<.05	.300	<10	N	N	N	150	200
H260527R	1.00	.07	.50	.015	<10	N	N	N	20	20
H260537R	.20	.20	.20	.100	<10	N	N	N	50	100
H260547R	.05	.10	.05	.030	<10	N	N	N	20	20
H260557R	.20	.20	.15	.070	<10	N	N	N	50	100
H260567R	.30	.15	.05	.050	<10	N	N	N	30	100
H260576R	1.00	.70	.05	.200	<10	N	N	N	100	150
H260585R	1.00	.50	<.05	.200	15	N	N	N	100	500
H260596R	1.00	.70	.05	.200	15	N	N	N	100	200
H260606R	.20	.20	<.05	.050	<10	N	N	N	20	100

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H26, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
H260175R	1.5	N	N	10	70	30	N	7	<20	<5	15
H260185R	1.5	N	N	15	100	100	N	<5	N	7	50
H260194R	N	N	N	N	<10	<5	N	N	N	10	N
H260204R	<1.0	N	N	N	15	7	N	N	N	10	N
H260214R	<1.0	N	N	<5	20	20	N	<5	N	5	N
H260224R	N	N	N	N	10	15	N	5	N	5	N
H260233R	N	N	N	N	10	<5	N	N	N	5	N
H260242R	N	N	N	N	<10	<5	N	N	N	<5	N
H260252R	N	N	N	N	<10	700	N	N	N	5	N
H260262R	N	N	N	N	<10	<5	N	<5	N	10	N
H260272R	<1.0	N	N	N	<10	<5	N	<5	N	10	N
H260282R	<1.0	N	N	<5	15	10	N	N	N	<5	N
H260292R	1.0	N	N	N	20	20	N	N	N	15	N
H260301R	N	N	N	N	<10	5	N	<5	N	<5	N
H260311R	1.0	N	N	<5	50	15	N	5	N	<5	N
H260321R	N	N	N	N	<10	<5	N	N	N	<5	N
H260332R	N	N	N	N	10	20	N	N	N	5	N
H260340R	N	N	N	N	10	200	N	N	N	<5	N
H260350R	N	N	N	N	10	<5	N	N	N	<5	N
H260360R	N	N	N	N	10	5	N	N	N	5	N
H260370R	N	N	70	N	10	7	N	5	N	5	N
H260380R	N	N	<20	N	10	10	N	<5	N	<5	N
H260390R	N	N	N	N	<10	5	N	N	N	5	N
H260400R	N	N	N	N	<10	<5	N	N	N	5	N
H260410R	N	N	N	N	<10	10	N	N	N	7	N
H260419R	N	N	N	N	<10	<5	N	N	N	5	N
H260429R	N	N	N	N	<10	7	N	N	N	<5	N
H260438R	N	N	N	N	<10	<5	N	N	N	5	N
H260448R	N	N	N	N	<10	7	N	N	N	5	N
H260458R	N	N	N	N	<10	70	N	N	N	5	N
H260468R	N	N	N	N	<10	70	N	N	N	5	N
H260479R	N	N	N	N	<10	7	N	N	N	7	N
H260489R	<1.0	N	N	N	15	10	N	N	N	7	N
H260498R	<1.0	N	N	N	<10	<5	N	N	N	5	N
H260507R	<1.0	N	N	N	<10	<5	N	N	N	<5	N
H260517R	1.0	N	N	N	30	7	N	N	N	10	N
H260527R	<1.0	N	N	N	<10	7	N	N	N	7	N
H260537R	N	N	N	N	10	7	N	<5	N	10	N
H260547R	N	N	N	N	10	<5	N	N	N	<5	N
H260557R	N	N	N	N	10	5	N	N	N	7	N
H260567R	N	N	N	N	10	500	N	N	N	5	N
H260576R	<1.0	N	N	N	15	50	N	5	N	10	N
H260585R	1.0	N	N	7	20	15	N	100	N	30	N
H260596R	1.0	N	N	5	20	50	N	20	N	20	N
H260606R	<1.0	N	N	N	<10	<5	N	15	N	7	<10

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H26, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Form
H260175R	N	10	N	N	100	N	N	N	200	N	23
H260185R	N	15	N	N	100	N	N	N	150	N	23
H260194R	N	N	N	N	15	<50	N	N	100	N	23
H260204R	N	<5	N	N	30	<50	N	N	70	N	23
H260214R	N	<5	N	N	30	<50	N	N	100	N	23
H260224P	N	N	N	N	20	<50	N	N	100	N	23
H260233K	N	N	N	N	10	<50	N	N	200	N	23
H260242K	N	N	N	N	<10	<50	N	N	100	N	23
H260252R	N	N	N	N	<10	<50	N	N	50	N	23
H260262P	N	N	N	N	10	<50	N	N	200	N	23
H260272R	N	N	N	N	15	<50	N	N	50	N	23
H260282R	N	N	N	N	50	<50	N	N	100	N	23
H260292K	N	N	N	N	70	<50	N	N	200	N	23
H260301R	N	N	N	N	<10	<50	N	N	50	N	23
H260311R	N	N	N	N	70	<50	N	N	150	N	23
H260321R	N	N	N	N	<10	<50	N	N	50	N	23
H260332R	N	N	N	N	10	<50	N	N	30	N	23
H260340R	N	N	N	N	10	<50	N	N	20	N	23
H260350K	N	N	N	N	10	<50	N	500	50	N	23
H260360R	N	N	N	N	<10	<50	N	2,000	70	N	23
H260370R	N	N	N	N	10	<50	N	>10,000	50	N	23
H260380R	N	N	N	N	10	<50	N	10,000	50	N	23
H260390R	N	N	N	N	<10	<50	N	300	50	N	23
H260400R	N	N	N	N	<10	<50	N	N	30	N	23
H260410R	N	N	N	N	20	<50	N	200	70	N	23
H260419R	N	N	N	N	15	<50	N	N	50	N	23
H260429R	N	N	N	N	10	<50	N	N	100	N	23
H260438R	N	N	N	N	15	<50	N	N	150	N	23
H260448R	N	N	N	N	15	<50	N	10,000	100	N	23
H260458R	N	N	N	N	10	<50	N	N	150	N	23
H260468P	N	N	N	N	10	<50	N	N	200	N	23
H260479R	N	N	N	N	20	<50	N	<200	30	N	23
H260489R	N	N	N	N	30	<50	N	300	200	N	23
H260498R	N	N	N	N	10	<50	N	N	100	N	23
H260507K	N	N	N	N	15	<50	N	N	20	N	23
H260517R	N	5	N	N	100	<50	N	N	300	N	23
H260527R	N	N	N	N	10	<50	N	N	100	N	23
H260537R	N	N	N	N	20	<50	N	5,000	150	N	23
H260547R	N	N	N	N	15	<50	N	N	100	N	23
H260557R	N	N	N	N	20	<50	N	N	100	N	23
H260567R	N	N	N	N	15	<50	N	N	100	N	23
H260576R	N	N	N	N	70	<50	N	500	150	N	23
H260585R	N	5	N	N	50	<50	N	<200	300	N	23
H260596R	N	<5	N	<100	150	<50	N	N	200	N	23
H260606R	N	N	N	N	10	<50	N	N	150	N	23

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H26, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Fe-pct. s	Mg-pct. s	Ce-pct. s	Ti-pct. s	Mn-pptm s	Ag-pptm s	As-pptm s	Au-pptm s	B-pptm s	Be-pptm s
H260616R	.20	.20	.20	.100	10	N	N	N	20	100
H260625R	.30	.20	.10	.150	10	N	N	N	30	100
H260635R	<.05	.05	<.05	.015	15	N	N	N	15	20
H260644R	.10	.10	.07	.020	10	N	N	N	30	30
H260654R	.50	.50	.05	.150	10	N	N	N	100	100
H260664R	.50	.30	.20	.070	10	N	N	N	50	100
H260673R	.05	.10	.10	.010	10	N	N	N	50	150
H260683R	.10	.10	<.05	.050	10	N	N	N	10	150
H260692R	1.00	.20	<.05	.050	10	N	N	N	50	100
H260702R	15.00	.50	.05	.150	10	N	N	N	100	150
H260712R	.10	.15	.05	.020	<10	N	N	N	20	30
H260721R	5.00	2.00	2.00	.200	20	N	N	N	200	200
H260731R	.10	.15	.15	.030	<10	N	N	N	30	100
H260741R	2.00	.30	<.05	.070	<10	N	N	N	30	200
H260750R	.10	.10	<.05	.030	<10	N	N	N	15	150
H260760R	1.00	.50	.05	.150	10	N	N	N	100	100
H260770R	2.00	2.00	.15	.500	30	N	N	N	150	500
H260780R	3.00	1.50	.70	.300	30	N	N	N	150	150
H260790R	.50	.30	<.05	.150	10	N	N	N	50	500
H260800R	2.00	1.00	.05	.500	20	N	N	N	150	200
H260810R	2.00	1.00	.10	1.000	20	N	N	N	200	700
H260819R	2.00	1.00	<.05	.700	30	N	N	N	200	500
H260820R	2.00	1.00	<.05	.500	30	N	N	N	300	200
H260839R	3.00	1.00	<.05	.500	20	N	N	N	150	200
H260847R	3.00	1.50	.05	.500	30	N	N	N	150	300
H260859R	3.00	1.00	.50	.300	20	N	N	N	200	300
H260864R	.70	.20	.05	.100	<10	N	N	N	50	100
H260878R	5.00	1.00	.20	.500	20	N	N	N	300	200
H260888R	5.00	1.00	<.05	.300	20	N	N	N	200	300
H260898R	7.00	1.50	.10	.500	30	N	N	N	200	300
H260908R	7.00	2.00	.07	.500	50	N	N	N	300	300
H260917R	1.00	.50	.05	.150	15	N	N	N	50	100
H260927R	1.50	2.00	<.05	.500	30	N	N	N	100	200
H260937R	5.00	3.00	2.00	.500	50	N	N	N	200	200
H260948R	2.00	1.00	<.05	.200	15	N	N	N	300	150
H260957R	3.00	.70	.15	.150	15	N	N	N	200	150
H260966R	.70	.70	.20	.200	10	N	N	N	100	100
H260975R	2.00	1.00	.05	.200	15	N	N	N	100	150
H260985R	5.00	.50	.05	.100	10	N	N	N	100	100
H260995R	2.00	1.50	.10	.300	15	N	N	N	200	150
H261000R	.05	.30	.30	.020	10	N	N	N	20	50

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H26, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Be-ppm s	Ri-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
H260616R	<1.0	N	N	N	<10	5	N	5	N	10	<10
H260625R	1.0	N	N	N	15	10	N	<5	N	10	<10
H260635R	N	N	N	N	<10	<5	N	N	N	5	<10
H260644R	N	N	N	N	<10	<5	N	<5	N	5	<10
H260654R	1.0	N	N	N	15	10	N	<5	N	10	<10
H260664R	N	N	N	N	10	7	N	<5	N	10	<10
H260673R	N	N	N	N	10	<5	N	<5	N	7	<10
H260683R	N	N	N	N	15	<5	N	<5	N	5	<10
H260692R	<1.0	N	N	N	10	20	N	<5	N	7	<10
H260702R	1.0	N	N	7	20	70	N	7	N	70	50
H260712R	N	N	N	N	<10	<5	N	N	N	5	N
H260721R	1.5	N	N	10	50	50	N	5	N	50	30
H260731R	<1.0	N	N	N	<10	<5	N	<5	N	7	N
H260741R	<1.0	N	N	N	10	15	N	7	N	10	N
H260750R	N	N	N	N	10	<5	N	N	N	5	N
H260760R	<1.0	N	N	N	15	20	N	<5	N	7	N
H260770R	1.0	N	N	10	30	50	N	10	<20	50	20
H260780R	1.0	N	N	5	50	50	N	5	N	30	15
H260790R	N	N	N	N	10	5	N	5	N	10	10
H260800R	1.0	N	N	5	30	20	N	7	N	15	15
H260810R	1.0	N	N	7	50	100	N	10	N	20	30
H260819R	1.5	N	N	15	100	50	N	15	N	70	30
H260829R	2.0	N	N	10	100	50	N	15	N	70	20
H260839R	1.0	N	N	7	50	30	N	20	N	50	50
H260847R	1.5	N	N	10	100	50	N	20	N	100	30
H260859R	1.5	N	N	5	70	30	N	N	N	50	30
H260864R	1.0	N	N	N	10	7	N	N	N	10	N
H260878R	1.5	N	N	5	70	50	N	<5	N	70	50
H260888R	1.5	N	N	5	50	50	N	10	N	50	15
H260898R	1.5	N	N	10	70	50	N	10	N	70	50
H260908R	1.5	N	N	10	100	70	N	7	N	100	30
H260917R	1.0	N	N	N	10	10	N	<5	N	10	<10
H260927R	1.5	N	N	7	100	50	N	7	N	70	20
H260937R	1.5	N	N	10	150	70	N	10	N	100	20
H260948R	1.0	N	N	5	20	50	N	N	N	30	15
H260957R	1.5	N	N	N	20	15	N	N	N	10	15
H260966R	1.0	N	N	N	15	15	N	N	N	10	10
H260975R	1.5	N	N	5	30	70	N	15	N	50	50
H260985R	1.0	N	N	N	15	20	N	<5	N	10	20
H260995R	1.5	N	N	5	30	50	N	5	N	70	20
H261000R	<1.0	N	N	N	10	<5	N	N	N	7	N

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H26, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Form
H260616R	N	N	N	N	20	<50	N	N	200	N	23
H260625R	N	N	N	N	50	<50	N	N	300	N	23
H260635R	N	N	N	N	10	<50	N	N	70	N	23
H260644R	N	N	N	N	10	<50	N	N	70	N	23
H260654R	N	N	N	N	50	<50	N	N	200	N	23
H260664R	N	N	N	N	20	<50	N	N	200	N	23
H260673R	N	N	N	N	10	<50	N	N	100	N	23
H260683R	N	N	N	N	15	<50	N	N	150	N	23
H260692R	N	N	N	N	20	<50	N	N	100	N	23
H260702R	N	5	N	N	50	<50	N	200	100	N	23
H260712R	N	N	N	N	10	<50	N	N	50	N	23
H260721R	N	5	N	N	100	<50	N	N	150	N	23
H260731R	N	N	N	N	10	<50	N	N	50	N	23
H260741R	N	N	N	N	50	<50	N	N	100	N	23
H260750R	N	N	N	N	20	<50	N	N	100	N	23
H260760R	N	N	N	N	20	<50	N	N	100	N	22
H260770R	N	7	N	N	70	<50	N	N	100	N	22
H260780R	N	5	N	N	50	<50	N	N	100	N	22
H260790R	N	<5	N	N	10	<50	N	N	200	N	22
H260800R	N	5	N	N	50	<50	N	N	70	N	22
H260810R	N	7	N	N	70	N	N	N	100	N	22
H260819R	N	7	N	N	70	N	N	N	100	N	22
H260829R	N	7	N	N	50	N	N	N	70	N	22
H260839R	N	5	N	N	70	N	N	N	100	N	22
H260847R	N	7	N	N	100	N	N	N	100	N	22
H260859R	N	5	N	N	70	N	N	N	200	N	22
H260864R	N	N	N	N	20	<50	N	N	30	N	22
H260878R	N	5	N	N	100	N	N	N	70	N	22
H260888R	N	5	N	N	70	N	N	N	100	N	22
H260898R	N	5	N	N	100	N	N	N	100	N	22
H260908R	N	7	N	N	100	N	N	N	150	N	22
H260917R	N	N	N	N	30	<50	N	N	100	N	22
H260927R	N	7	N	N	100	N	N	N	50	N	22
H260937R	N	10	N	N	100	N	N	N	100	N	22
H260948R	N	5	N	N	50	N	N	N	100	N	22
H260957P	N	5	N	N	50	N	N	N	100	N	22
H260966R	N	N	N	N	20	<50	N	N	100	N	22
H260975R	N	5	N	N	100	N	N	N	100	N	22
H260985R	N	N	N	N	50	N	N	N	30	N	22
H260995R	N	5	N	N	100	<50	N	N	50	N	22
H261000R	N	N	N	N	10	<50	N	N	20	N	22

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H27, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Fe-pct. s	Mg-pct. s	Ce-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Be-ppm s
H27R0016	5.00	2.00	2.00	.050	50	N	N	N	20	50
H27R0026	.70	.50	.20	.100	10	N	N	N	20	70
H27R0036	1.50	1.00	1.00	.070	20	N	N	N	20	50
H27R0046	1.50	.50	.15	.070	10	N	N	N	30	50
H27R0056	2.00	5.00	7.00	.070	70	N	N	N	50	30
H27R0066	2.00	.50	.15	.100	15	N	N	N	50	150
H27R0076	1.50	7.00	10.00	.050	70	N	N	N	50	50
H27R0086	1.00	1.00	1.00	.100	20	N	N	N	50	150
H27R0096	1.00	.70	.15	.100	10	N	N	N	50	200
H27R0106	1.50	1.00	.10	.150	20	N	N	N	50	200
H27R0116	1.50	1.00	.50	.150	20	N	N	N	70	200
H27R0126	1.00	1.00	.50	.100	15	N	N	N	50	200
H27R0136	2.00	1.50	.20	.200	50	N	N	N	150	300
H27R0146	2.00	1.50	.50	.150	50	N	N	N	100	200
H27R0156	2.00	1.50	.30	.150	50	N	N	N	100	200
H27R0166	2.00	1.50	.30	.150	30	N	N	N	100	150
H27R0176	2.00	1.50	.15	.200	50	N	N	N	150	200
H27R0186	2.00	1.50	.50	.150	30	N	N	N	100	150
H27R0196	2.00	1.50	.15	.150	50	N	N	N	100	200
H27R0206	2.00	1.50	.30	.150	50	N	N	N	100	200
H27R0215	2.00	2.00	.20	.200	50	N	N	N	150	200
H27R0225	2.00	1.00	<.05	.150	30	N	N	N	100	200
H27R0235	1.50	1.50	.50	.100	30	N	N	N	100	150
H27R0245	2.00	1.00	.30	.150	30	<.5	N	N	100	300
H27R0255	1.00	.70	.20	.100	20	N	N	N	100	100
H27R0265	1.00	.70	.70	.070	15	N	N	N	70	150
H27R0275	1.50	.70	.50	.100	20	N	N	N	50	150
H27R0284	2.00	1.50	1.00	.100	30	N	N	N	70	150
H27R0294	2.00	1.50	.70	.200	30	N	N	N	100	200
H27R0303	1.50	1.50	.20	.150	30	N	N	N	100	300
H27R0313	1.00	1.00	.70	.100	15	N	N	N	100	200
H27R0323	1.00	.70	.70	.150	20	N	N	N	100	150
H27R0334	.70	.20	<.05	.070	<10	N	N	N	50	100
H27R0342	1.00	.05	<.05	.030	<10	N	N	N	20	50
H27R0352	.20	.20	.20	.050	10	N	N	N	30	100
H27R0362	.50	1.50	1.00	.100	20	N	N	N	30	150
H27R0371	.10	.10	.15	.010	<10	N	N	N	20	100
H27R0381	1.50	1.00	.50	.100	20	N	N	N	70	200
H27R0391	.05	.50	1.00	.020	20	N	N	N	50	100
H27R0401	.50	.50	.50	.050	10	N	N	N	50	100
H27R0411	.15	.50	1.00	.020	10	N	N	N	70	50
H27R0421	.10	.30	.70	.020	<10	N	N	N	50	50
H27R0431	.50	.50	.50	.070	10	N	N	N	50	100
H27R0441	.70	.70	.70	.100	10	N	N	N	50	100
H27R0451	1.00	.70	.50	.100	15	N	N	N	50	200

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H27, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	He-ppm s	Ri-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
H27R0016	1.0	N	N	N	20	150	N	7	N	30	50
H27R0026	<1.0	N	N	N	20	10	N	N	N	20	<10
H27R0036	<1.0	N	N	N	20	20	N	N	N	15	10
H27R0046	<1.0	N	N	N	20	70	N	N	N	20	15
H27R0056	<1.0	N	N	N	20	50	N	<5	N	20	20
H27R0066	1.0	N	N	N	30	50	N	<5	N	20	20
H27R0078	N	N	N	N	10	70	N	5	N	20	15
H27R0088	1.0	N	N	N	20	15	N	5	N	20	15
H27R0098	1.0	N	N	N	20	10	N	5	N	10	15
H27R0108	1.0	N	N	N	20	15	N	5	N	15	15
H27R0118	1.0	N	N	N	30	15	N	5	N	20	15
H27R0128	1.0	N	N	N	20	30	N	10	N	20	20
H27R0138	1.5	N	N	7	50	20	N	30	N	30	30
H27R0148	1.0	N	N	<5	50	30	N	<5	N	50	20
H27R0158	1.0	N	N	5	50	20	N	15	N	20	15
H27R0168	1.0	N	N	5	50	30	N	5	N	20	20
H27R0178	1.5	N	N	7	100	50	N	15	N	30	20
H27R0187	1.5	N	N	7	70	100	N	20	N	30	20
H27R0197	1.5	N	N	5	100	30	N	20	N	20	15
H27R0207	1.0	N	N	5	100	30	30	15	N	20	30
H27R0215	1.0	N	N	10	100	20	20	20	N	30	20
H27R0225	1.0	N	N	5	70	15	N	10	N	30	15
H27R0235	1.0	N	N	<5	70	10	N	5	N	15	10
H27R0245	1.0	N	N	10	50	70	N	20	N	50	15
H27R0255	1.0	N	N	N	30	15	N	10	N	20	10
H27R0265	1.0	N	N	N	30	20	N	10	N	15	10
H27R0275	1.0	N	N	5	20	30	N	15	N	50	15
H27R0284	1.5	N	N	5	50	30	N	5	N	20	15
H27R0294	1.0	N	N	10	70	50	N	10	N	30	20
H27R0303	1.0	N	N	N	70	20	N	5	N	30	15
H27R0313	1.0	N	N	<5	50	15	N	N	N	15	10
H27R0323	1.5	N	N	N	70	30	N	N	N	20	15
H27R0334	1.0	N	N	N	10	10	N	5	N	7	N
H27R0342	N	N	N	N	10	20	N	<5	N	10	10
H27R0352	<1.0	N	N	N	10	5	N	N	N	10	<10
H27R0362	<1.0	N	N	N	50	30	N	<5	N	10	15
H27R0371	<1.0	N	N	N	10	<5	N	N	N	5	N
H27R0381	1.0	N	N	N	50	20	N	N	N	15	15
H27R0391	<1.0	N	N	N	15	<5	N	N	N	7	N
H27R0401	<1.0	N	N	N	50	10	N	N	N	10	<10
H27R0411	<1.0	N	N	N	30	7	N	N	N	7	<10
H27R0421	N	N	N	N	15	5	N	N	N	5	N
H27R0431	<1.0	N	N	N	30	15	N	N	N	10	10
H27R0441	<1.0	N	N	<5	100	20	N	N	N	15	15
H27R0451	1.0	N	N	N	50	15	N	N	N	10	10

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H27, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	3h-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Form
H27R0016	N	N	N	<100	50	N	N	2,000	10	N	22
H27R0026	N	N	N	100	30	N	N	N	20	N	22
H27R0036	N	N	N	<100	30	N	N	N	10	N	22
H27R0046	N	N	N	<100	50	N	N	N	20	N	22
H27R0056	N	N	N	100	50	N	N	N	10	N	22
H27R0066	N	N	N	<100	50	N	N	N	70	N	22
H27R0078	N	N	N	100	15	N	N	N	20	N	22
H27R0088	N	N	N	<100	30	N	N	N	50	N	22
H27R0098	N	N	N	<100	20	N	N	N	50	N	22
H27R0108	N	N	N	<100	30	N	N	N	50	N	22
H27R0118	N	N	N	<100	30	N	N	N	50	N	22
H27R0128	N	N	N	<100	30	N	N	N	50	N	22
H27R0138	N	5	N	<100	70	N	N	N	50	N	22
H27R0148	N	5	N	<100	70	N	N	N	50	N	22
H27R0158	N	5	N	<100	70	N	N	N	50	N	22
H27R0168	N	<5	N	<100	50	N	N	N	50	N	22
H27R0178	N	5	N	<100	70	N	N	N	100	N	22
H27R0187	N	<5	N	100	50	N	N	N	50	N	22
H27R0197	N	5	N	100	70	N	N	N	50	N	22
H27R0207	N	5	N	100	70	N	N	N	70	N	22
H27R0215	N	7	N	<100	70	N	N	N	100	N	22
H27R0225	N	<5	N	<100	50	N	N	N	100	N	22
H27R0235	N	<5	N	100	20	N	N	N	50	N	22
H27R0245	N	<5	N	100	50	N	N	N	100	N	22
H27R0255	N	N	N	<100	30	N	N	N	30	N	22
H27R0265	N	N	N	<100	30	N	N	N	50	N	22
H27R0275	N	N	N	<100	20	N	N	N	20	N	22
H27R0284	N	N	N	<100	50	N	N	N	30	N	22
H27R0294	N	N	N	<100	70	N	N	N	50	N	22
H27R0303	N	N	N	<100	100	N	N	N	50	N	22
H27R0313	N	N	N	<100	20	N	N	N	30	N	22
H27R0323	N	N	N	<100	50	N	N	N	50	N	22
H27R0334	N	N	N	<100	15	N	N	N	<10	N	22
H27R0342	N	N	N	<100	30	N	N	N	N	N	39
H27R0352	N	N	N	<100	10	N	N	N	<10	N	39
H27R0362	N	N	N	<100	20	N	N	N	50	N	39
H27R0371	N	N	N	<100	<10	N	N	N	<10	N	39
H27R0381	N	N	N	100	50	N	N	N	30	N	39
H27R0391	N	N	N	<100	<10	N	N	N	<10	N	39
H27R0401	N	N	N	N	20	N	N	N	10	N	39
H27R0411	N	N	N	<100	20	N	N	N	N	N	39
H27R0421	N	N	N	<100	10	N	N	N	<10	N	39
H27R0431	N	N	N	<100	20	N	N	N	20	N	39
H27R0441	N	N	N	<100	50	N	N	N	50	N	39
H27R0451	N	N	N	100	20	N	N	N	100	N	39

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H27, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-pptm s	Aq-pptm s	As-pptm s	Au-pptm s	B-pptm s	Ba-pptm s
H27R0460	.70	.50	.15	.100	15	N	N	N	50	100
H27R0470	1.50	.30	.05	.070	15	N	N	N	20	150
H27R0480	.05	.03	.05	.007	<10	N	N	N	20	20
H27R0490	.50	.20	.05	.050	10	N	N	N	20	100
H27R0500	.50	.50	.50	.050	10	N	N	N	20	20
H27R0509	.50	.20	.07	.070	10	N	N	N	30	50
H27R0519	1.00	.50	.50	.070	10	N	N	N	30	50
H27R0529	.70	1.00	.70	.070	20	N	N	N	30	70
H27R0538	1.50	1.50	1.00	.100	30	N	N	N	50	100
H27R0548	2.00	.50	.50	.070	20	N	N	N	50	100
H27R0558	2.00	3.00	5.00	.070	100	N	N	N	50	70
H27R0568	1.50	.70	.30	.100	15	N	N	N	50	70
H27R0578	3.00	1.00	.50	.150	30	N	N	N	50	100
H27R0587	1.50	1.50	.70	.150	50	N	N	N	50	150
H27R0596	1.50	1.50	.70	.150	50	N	N	N	50	200
H27R0609	2.00	1.50	.70	.200	50	N	N	N	100	500
H27R0618	2.00	1.50	.05	.200	50	N	N	N	150	200
H27R0628	2.00	1.00	.70	.150	30	N	N	N	100	100
H27R0638	5.00	1.50	1.50	.050	30	N	N	N	30	100
H27R0648	2.00	.70	.50	.100	15	N	N	N	50	70
H27R0658	3.00	.30	.05	.070	10	N	N	N	30	70
H27R0668	1.50	.50	.50	.050	10	N	N	N	30	50
H27R0678	1.50	.70	.70	.050	15	N	N	N	20	50
H27R0688	3.00	.50	.50	.070	15	N	N	N	30	70
H27R0705	5.00	.30	.30	.100	20	N	N	N	50	150
H27R0715	3.00	.50	.30	.150	15	N	N	N	50	150
H27R0725	5.00	.50	.20	.100	20	N	N	N	50	100
H27R0735	15.00	.30	.15	.070	50	N	300	N	70	100
H27R0745	15.00	.50	.70	.030	30	N	500	N	100	70
H27R0755	>20.00	.07	.05	.010	70	1.0	700	N	100	<20
H27R0764	>20.00	.10	.10	.010	100	.5	500	N	100	<20
H27R0775	20.00	.20	.05	.070	30	5.0	200	N	150	100
H27R0785	>20.00	.15	.50	.010	30	3.0	500	N	150	20
H27R0795	20.00	.10	<.05	.050	30	7.0	500	N	100	100
H27R0805	15.00	.10	.05	.050	30	7.0	300	N	100	100
H27R0815	20.00	.07	<.05	.020	50	1.0	300	N	100	100
H27R0823	20.00	.05	<.05	.015	150	.7	300	N	100	50
H27R0831	15.00	.20	.07	.050	50	.5	200	N	100	150
H27R0841	20.00	.10	.05	.030	15	.5	500	N	100	100
H27R0850	20.00	.15	.05	.050	20	.5	500	N	100	150
H27R0859	10.00	.15	.05	.030	15	N	300	N	100	100
H27R0869	20.00	.15	.05	.030	20	<.5	500	N	70	100
H27R0879	15.00	.30	.50	.050	30	.5	300	N	100	100
H27R0888	>20.00	.10	.50	.015	50	2.0	500	N	100	70
H27R0897	20.00	.10	.05	.050	70	1.0	300	N	100	100

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H27, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
H27R0460	1.0	N	N	5	50	15	N	N	N	15	10
H27R0470	1.0	N	N	N	30	20	N	N	N	10	10
H27R0480	<1.0	N	N	N	10	<5	N	N	N	5	N
H27R0490	1.0	N	N	N	15	5	N	N	N	7	N
H27R0500	1.0	N	N	N	15	7	N	N	N	7	N
H27R0509	1.0	N	N	5	10	5	N	N	N	7	N
H27R0519	<1.0	N	N	N	20	15	N	<5	N	10	10
H27R0529	1.0	N	N	7	15	15	N	10	N	10	10
H27R0538	1.0	N	N	5	30	30	N	50	N	20	20
H27R0548	1.0	N	N	7	20	20	N	15	N	15	20
H27R0558	1.0	N	N	<5	20	20	N	30	N	20	30
H27R0568	1.0	N	N	5	20	20	N	30	N	15	15
H27R0578	1.0	N	N	5	20	50	N	50	N	50	30
H27R0587	1.5	N	N	5	50	30	N	50	N	20	20
H27R0596	2.0	N	N	7	50	30	N	30	N	20	30
H27R0609	1.5	N	N	10	70	50	N	20	N	20	20
H27R0618	3.0	N	N	<5	100	50	30	5	N	30	20
H27R0628	2.0	N	N	N	50	30	N	7	N	20	15
H27R0638	<1.0	N	N	N	20	30	N	5	N	15	15
H27R0648	1.0	N	N	N	20	15	N	N	N	15	<10
H27R0658	<1.0	N	N	N	20	50	N	<5	N	20	10
H27R0668	<1.0	N	N	N	10	10	N	<5	N	10	<10
H27R0678	<1.0	N	N	N	15	15	N	5	N	20	10
H27R0688	<1.0	N	N	<5	20	20	N	<5	N	30	20
H27R0705	1.0	N	N	N	20	70	N	20	N	100	30
H27R0715	1.5	N	N	N	20	30	N	10	N	30	20
H27R0725	N	N	N	5	50	100	N	5	N	50	30
H27R0735	N	N	N	10	50	200	N	50	N	100	50
H27R0745	N	N	N	10	10	100	N	30	N	150	50
H27R0755	N	N	N	15	N	1,500	N	100	N	500	70
H27R0764	N	N	N	15	50	700	N	70	N	500	100
H27R0775	<1.0	N	N	5	50	2,000	N	70	N	300	50
H27R0785	N	N	N	N	N	500	N	300	N	20	20
H27R0795	<1.	N	N	<5	30	200	N	300	N	50	50
H27R0805	N	N	N	<5	70	5,000	N	100	N	100	70
H27R0815	N	N	N	<5	70	300	N	150	N	150	100
H27R0823	N	N	N	<5	30	200	N	100	N	200	70
H27R0831	N	N	N	5	50	150	N	50	N	150	100
H27R0841	N	N	N	10	20	100	N	50	N	150	70
H27R0850	N	N	N	5	20	150	N	50	N	100	70
H27R0859	N	N	N	N	20	100	N	20	N	50	50
H27R0869	N	N	N	5	20	150	N	50	N	100	70
H27R0879	N	N	N	5	30	150	N	50	N	100	100
H27R0888	N	N	N	10	50	500	N	150	N	500	200
H27R0897	N	N	N	7	50	300	N	100	N	200	70

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H27, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sp-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Form
H27R0460	N	N	N	N	20	N	N	N	50	N	39
H27R0470	N	N	N	<100	15	N	N	N	200	N	39
H27R0480	N	N	N	<100	<10	N	N	N	20	N	39
H27R0490	N	N	N	<100	10	N	N	N	15	N	39
H27R0500	N	N	N	<100	15	N	N	N	<10	N	39
H27R0509	N	N	N	<100	15	N	N	N	10	N	39
H27R0519	N	N	N	<100	20	N	N	N	<10	N	39
H27R0529	N	N	N	<100	20	N	N	N	100	N	39
H27R0538	N	N	N	<100	30	N	N	N	30	N	39
H27R0548	N	N	N	<100	20	N	N	N	20	N	39
H27R0558	N	N	N	<100	15	N	N	N	<10	N	39
H27R0568	N	N	N	<100	15	N	N	N	10	N	39
H27R0578	N	<5	N	<100	20	N	N	N	30	N	39
H27R0587	N	N	N	<100	20	N	N	N	30	N	39
H27R0596	N	<5	N	100	30	N	N	N	30	N	39
H27R0609	N	<5	N	<100	30	N	N	N	100	N	39
H27R0618	N	5	N	<100	50	N	N	N	100	N	39
H27R0628	N	<5	N	<100	50	N	N	N	50	N	39
H27R0638	N	N	N	<100	30	N	N	N	N	N	39
H27R0648	N	N	N	<100	30	N	N	N	<10	N	39
H27R0658	N	N	N	<100	50	N	N	N	N	N	39
H27R0668	N	N	N	<100	30	N	N	N	N	N	39
H27R0678	N	N	N	<100	20	N	N	N	<10	N	39
H27R0688	N	N	N	<100	70	N	N	N	20	N	39
H27R0705	N	N	N	N	70	N	N	N	50	N	39
H27R0715	N	N	N	N	100	N	N	N	70	N	39
H27R0725	N	N	N	N	150	N	N	N	20	N	39
H27R0735	N	N	N	N	150	N	N	N	<10	N	39
H27R0745	N	N	N	N	70	N	N	N	N	N	39
H27R0755	N	N	N	N	100	N	N	300	<10	N	39
H27R0764	N	N	N	N	150	N	N	<200	N	N	39
H27R0775	N	N	N	N	200	N	N	N	100	N	39
H27R0785	N	N	N	N	15	N	N	N	N	N	39
H27R0795	N	N	N	100	100	N	N	N	N	N	39
H27R0805	N	N	N	100	200	N	N	N	10	N	39
H27R0815	N	N	N	N	200	N	N	N	<10	N	39
H27R0823	N	N	N	N	100	N	N	N	N	N	39
H27R0831	N	N	N	N	200	N	N	200	10	N	39
H27R0841	N	N	N	N	200	N	N	<200	10	N	39
H27R0850	N	N	N	N	150	N	N	N	50	N	39
H27R0859	N	N	N	N	150	N	N	200	N	N	39
H27R0869	N	N	N	100	200	N	N	500	10	N	39
H27R0879	N	N	N	150	150	N	N	300	20	N	39
H27R0888	N	N	N	N	200	N	N	700	N	N	39
H27R0897	N	N	N	N	200	N	N	200	20	N	39

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H27, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
H27R0907	5.00	.10	.05	.020	10	N	N	N	30	100
H27R0917	7.00	.10	<.05	.020	20	N	N	N	30	70
H27R0927	20.00	.10	.05	.030	100	1.0	300	N	70	100
H27R0937	20.00	.20	.07	.050	30	.5	300	N	100	100
H27R0965	20.00	.15	.05	.050	30	.5	300	N	70	100
H27R0974	15.00	.15	.05	.070	15	.5	200	N	100	100
H27R0983	20.00	.20	.05	.100	30	.5	200	N	100	200
H27R0993	15.00	.10	.05	.030	30	N	200	N	50	20
H27R1000	20.00	.10	.05	.050	20	2.0	300	N	70	50

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H27, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
H27R0907	<1.0	N	N	N	10	20	N	10	N	50	15
H27R0917	<1.0	N	N	N	20	100	N	15	N	70	30
H27R0927	N	N	N	5	20	150	N	50	N	200	70
H27R0937	N	N	N	10	20	200	N	70	N	150	70
H27R0965	N	N	N	15	15	150	N	70	N	300	70
H27R0974	N	N	N	5	15	150	N	50	N	200	50
H27R0983	N	N	N	7	30	150	N	50	N	200	100
H27R0993	N	N	N	7	15	100	N	50	N	150	20
H27R1000	N	N	N	10	15	150	N	70	N	300	70

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H27, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Form
H27R0907	N	N	N	N	20	N	N	N	N	N	39
H27R0917	N	N	N	N	30	N	N	N	20	N	39
H27R0927	N	N	N	N	150	N	N	200	10	N	39
H27R0937	N	N	N	N	150	N	N	N	10	N	39
H27R0965	N	N	N	N	100	N	N	<200	10	N	39
H27R0974	N	N	N	N	70	N	N	N	10	N	39
H27R0983	N	N	N	N	100	N	N	N	10	N	39
H27R0993	N	N	N	N	70	N	N	N	<10	N	39
H27R1000	N	N	N	N	100	N	N	<200	10	N	39

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H28, HARRISON 1 X 2
QUADHANGLE, MISSOURI AND ARKANSAS.

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
H28R0029	3.00	.50	.05	.500	70	N	N	N	50	500
H28R0039	2.00	3.00	5.00	.200	100	N	N	N	100	200
H28R0049	1.50	1.00	.20	.150	50	N	N	N	70	300
H28R0059	.50	1.50	.70	.100	30	N	N	N	70	300
H28R0069	3.00	2.00	.50	.500	70	N	N	N	200	300
H28R0078	3.00	2.00	.50	.300	70	N	N	N	200	300
H28R0088	1.50	2.00	1.00	.150	50	N	N	N	100	150
H28R0098	1.50	2.00	.70	.150	50	N	N	N	150	150
H28R0108	1.50	1.50	.50	.150	70	N	N	N	150	300
H28R0117	1.50	.10	.05	.020	10	N	N	N	30	70
H28R0127	2.00	2.00	2.00	.150	100	N	N	N	150	200
H28R0137	2.00	2.00	2.00	.200	100	N	N	N	150	200
H28R0147	2.00	3.00	2.00	.150	100	N	N	N	100	200
H28R0157	2.00	2.00	1.00	.150	50	N	N	N	150	200
H28R0177	2.00	1.50	.30	.150	50	N	N	N	100	300
H28R0187	2.00	2.00	.50	.200	70	N	N	N	200	300
H28R0197	2.00	2.00	.30	.150	50	N	N	N	200	300
H28R0206	3.00	3.00	.20	.300	70	N	N	N	200	200
H28R0215	.20	.30	.15	.030	10	N	N	N	50	100
H28R0224	.15	1.00	1.00	.020	10	N	N	N	20	<20
H28R0234	1.50	1.50	.30	.150	50	N	N	N	100	100
H28R0244	.50	1.00	.70	.070	20	N	N	N	50	100
H28R0263	.50	2.00	3.00	.070	30	N	N	N	30	50
H28R0273	1.00	.70	.50	.070	10	N	N	N	50	100
H28R0283	2.00	1.00	.50	.100	20	N	N	N	100	150
H28R0292	1.50	.70	.10	.100	10	N	N	N	70	150
H28R0301	.50	.20	.15	.070	<10	N	N	N	50	100
H28R0321	.70	.15	.20	.020	<10	N	N	N	50	100
H28R0331	1.00	.50	.50	.070	10	N	N	N	50	150
H28R0341	1.00	.70	1.00	.050	15	N	N	N	70	100
H28R0351	3.00	.20	.15	.050	10	N	N	N	100	100
H28R0361	.30	.50	.70	.050	<10	N	N	N	50	100
H28R0370	.50	.70	.70	.070	10	N	N	N	100	200
H28R0380	.05	.70	.70	.020	<10	N	N	N	50	100
H28R0390	1.00	>10.00	>20.00	.030	100	N	N	N	30	100
H28R0400	10.00	1.00	1.50	.070	50	N	200	N	70	300
H28R0410	7.00	1.50	.50	.700	100	N	N	N	150	500
H28R0430	2.00	10.00	10.00	.100	50	N	N	N	30	150
H28R0440	1.50	.20	.30	.010	<10	N	N	N	70	50
H28R0450	2.00	10.00	10.00	.100	70	N	N	N	70	150
H28R0460	1.50	.10	.15	.050	<10	N	N	N	50	30
H28R0469	.20	.15	.20	.010	<10	N	N	N	100	70
H28R0476	.20	.20	.20	.050	10	N	N	N	50	100
H28R0486	.50	10.00	10.00	.050	70	N	N	N	50	150
H28R0496	1.00	>10.00	>20.00	.070	150	N	N	N	50	50

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H28, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
H28R0029	<1.0	N	N	5	70	30	N	20	N	20	10
H28R0039	1.0	N	N	7	100	50	N	20	N	30	30
H28R0049	<1.0	N	N	N	50	15	N	7	N	10	15
H28R0059	<1.0	N	N	N	20	5	N	5	N	10	<10
H28R0069	1.0	N	N	15	100	50	N	20	N	50	20
H28R0078	1.0	N	N	15	100	50	N	30	N	50	30
H28R0088	1.0	N	N	<5	50	50	N	30	N	15	20
H28R0098	1.5	N	N	5	70	15	30	10	N	20	10
H28R0108	1.5	N	N	7	70	15	N	15	N	20	15
H28R0117	N	N	N	N	10	15	N	5	N	15	20
H28R0127	1.5	N	N	10	100	30	20	30	N	30	20
H28R0137	2.0	N	N	7	100	20	20	10	N	30	15
H28R0147	1.5	N	N	10	100	50	30	50	N	30	30
H28R0157	2.0	N	N	5	70	15	N	5	N	20	<10
H28R0177	2.0	N	N	7	100	20	N	7	N	20	20
H28R0187	2.0	N	N	10	150	50	N	30	N	30	70
H28R0197	2.0	N	N	7	100	20	N	5	N	20	10
H28R0206	3.0	N	N	10	100	30	N	30	N	30	20
H28R0215	<1.0	N	N	N	10	<5	N	5	N	5	N
H28R0224	N	N	N	N	<10	<5	N	<5	N	7	N
H28R0234	2.0	N	N	5	50	20	N	7	N	20	70
H28R0244	<1.0	N	N	N	15	5	N	N	N	7	N
H28R0263	<1.0	N	N	N	10	<5	N	N	N	10	N
H28R0273	<1.0	N	N	N	15	5	N	N	N	7	20
H28R0283	1.0	N	N	<5	30	50	N	5	N	15	15
H28R0292	1.5	N	N	N	20	7	N	N	N	10	N
H28R0301	1.0	N	N	N	10	15	N	N	N	7	N
H28R0321	<1.0	N	N	N	10	<5	N	7	N	7	N
H28R0331	N	N	N	N	10	15	N	5	N	10	N
H28R0341	<1.0	N	N	N	10	15	N	<5	N	10	N
H28R0351	<1.0	N	N	N	<10	20	N	<5	N	15	N
H28R0361	<1.0	N	N	N	<10	5	N	<5	N	10	N
H28R0370	<1.0	N	N	N	15	15	N	<5	N	15	10
H28R0380	<1.0	N	N	N	<10	<5	N	<5	N	7	N
H28R0390	<1.0	N	N	N	N	15	N	20	N	7	20
H28R0400	<1.0	N	N	5	10	100	N	200	N	20	50
H28R0410	1.5	N	N	10	150	100	N	20	N	50	50
H28R0430	1.0	N	N	N	20	20	N	N	N	20	10
H28R0440	<1.0	N	N	N	N	30	N	N	N	10	N
H28R0450	<1.0	N	N	N	50	20	N	7	N	15	20
H28R0460	<1.0	N	N	N	<10	10	N	N	N	15	N
H28R0469	<1.0	N	N	N	N	5	N	N	N	10	N
H28R0476	<1.0	N	N	N	10	<5	N	N	N	10	N
H28R0486	N	N	N	N	<10	7	N	N	N	7	N
H28R0496	N	N	N	N	10	7	N	5	N	10	10

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H28, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Form
H28R0029	N	N	N	100	30	N	N	N	100	N	22
H28R0039	N	5	N	100	50	N	N	N	50	N	22
H28R0049	N	N	N	<100	20	N	N	N	100	N	22
H28R0059	N	N	N	<100	20	N	N	N	70	N	22
H28R0069	N	7	N	<100	100	N	N	N	150	N	22
H28R0078	N	7	N	<100	100	N	N	N	50	N	22
H28R0088	N	N	N	N	70	N	N	N	50	N	22
H28R0098	N	5	N	<100	50	N	N	N	50	N	22
H28R0108	N	5	N	<100	50	N	N	N	50	N	22
H28R0117	N	N	N	N	20	N	N	N	15	N	22
H28R0127	N	7	N	100	50	N	N	N	70	N	22
H28R0137	N	7	N	100	50	N	N	N	50	N	22
H28R0147	N	7	N	100	70	N	N	N	50	N	22
H28R0157	N	5	N	<100	50	N	N	N	50	N	22
H28R0177	N	5	N	N	50	N	N	N	100	N	22
H28R0187	N	7	N	N	100	N	N	N	50	N	22
H28R0197	N	5	N	N	70	N	N	N	100	N	22
H28R0206	N	7	N	N	100	N	N	N	50	N	22
H28R0215	N	N	N	N	<10	N	N	N	20	N	22
H28R0224	N	N	N	N	<10	N	N	N	N	N	39
H28R0234	N	<5	N	N	50	N	N	N	50	N	39
H28R0244	N	N	N	N	10	N	N	N	<10	N	39
H28R0263	N	N	N	N	100	N	N	N	N	N	39
H28R0273	N	N	N	<100	20	N	N	N	20	N	39
H28R0283	N	N	N	100	50	N	N	N	20	N	39
H28R0292	N	N	N	100	30	N	N	N	20	N	39
H28R0301	N	N	N	N	15	N	N	N	30	N	39
H28R0321	N	N	N	N	<10	N	N	N	N	N	39
H28R0331	N	N	N	N	15	N	N	N	<10	N	39
H28R0341	N	N	N	N	10	N	N	N	N	N	39
H28R0351	N	N	N	150	10	N	N	N	N	N	39
H28R0361	N	N	N	150	<10	N	N	N	N	N	39
H28R0370	N	N	N	200	20	N	N	N	10	N	39
H28R0380	N	N	N	100	<10	N	N	N	N	N	39
H28R0390	N	N	N	<100	<10	N	N	N	N	N	39
H28R0400	N	N	N	100	10	N	N	N	70	N	39
H28R0410	N	5	N	N	70	N	N	N	100	N	39
H28R0430	N	N	N	<100	15	N	N	N	20	N	39
H28R0440	N	N	N	N	<10	N	N	N	N	N	39
H28R0450	N	N	N	<100	50	N	N	N	20	N	39
H28R0460	N	N	N	N	<10	N	N	N	N	N	39
H28R0469	N	N	N	N	<10	N	N	N	N	N	39
H28R0476	N	N	N	N	10	N	N	N	20	N	39
H28R0486	N	N	N	150	<10	N	N	N	30	N	39
H28R0496	N	N	N	100	10	N	N	N	30	N	39

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H28, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
H28R0505	.50	.20	.20	.030	<10	N	N	N	50	150
H28R0515	.70	10.00	20.00	.030	100	N	N	N	20	<20
H28R0524	1.00	5.00	5.00	.100	50	N	N	N	50	200
H28R0532	1.50	.70	.50	.100	30	N	N	N	50	300
H28R0541	.50	.20	.50	.050	10	N	N	N	30	100
H28R0551	.50	.20	.20	.030	<10	N	N	N	20	150
H28R0561	.70	1.50	3.00	.100	30	N	N	N	70	150
H28R0571	.50	2.00	5.00	.050	50	N	N	N	50	150
H28R0581	1.00	7.00	7.00	.100	100	N	N	N	100	100
H28R0591	.30	1.00	1.00	.050	10	N	N	N	50	100
H28R0601	.70	1.50	2.00	.150	20	N	N	N	100	150
H28R0611	.50	10.00	15.00	.020	70	N	N	N	30	<20
H28R0617	.70	>10.00	15.00	.100	100	N	N	N	70	150
H28R0625	.70	1.00	.30	.100	10	N	N	N	100	150
H28R0635	.20	10.00	10.00	.020	50	N	N	N	30	20
H28R0644	.70	1.00	1.00	.100	15	N	N	N	70	300
H28R0654	.20	.10	.07	.020	<10	N	N	N	20	50
H28R0664	.70	.30	.30	.070	10	N	N	N	50	100
H28R0674	1.00	10.00	10.00	.070	70	N	N	N	70	100
H28R0683	.30	.20	.30	.050	<10	N	N	N	30	150
H28R0692	1.00	1.00	.05	.150	20	N	N	N	100	150
H28R0701	.10	.20	.20	.030	10	N	N	N	100	100
H28R0711	.30	.50	.30	.070	10	<.5	N	N	50	100
H28R0720	2.00	5.00	5.00	.070	70	N	N	N	50	100
H28R0730	.50	.50	.50	.050	<10	N	N	N	20	100
H28R0740	3.00	10.00	10.00	.050	100	N	N	N	20	100
H28R0750	.70	.30	.50	.020	10	N	N	N	20	100
H28R0760	.70	10.00	10.00	.005	70	N	N	N	20	<20
H28R0768	.70	2.00	5.00	.020	30	N	N	N	50	50
H28R0776	1.00	7.00	10.00	.050	50	N	N	N	50	70
H28R0808	.70	7.00	7.00	.030	100	N	N	N	30	<20
H28R0827	.20	.70	1.00	.010	10	N	N	N	20	50
H28R0836	.07	.30	.50	.030	<10	N	N	N	30	50
H28R0846	5.00	2.00	1.00	.300	50	N	N	N	100	300
H28R0856	1.50	>10.00	20.00	.050	100	N	N	N	15	150
H28R0865	1.50	1.50	2.00	.150	20	N	N	N	50	500
H28R0875	.30	1.00	1.50	.030	10	N	N	N	30	<20
H28R0884	3.00	1.50	.70	.200	20	.7	N	N	100	300
H28R0893	.20	.10	.15	.015	<10	N	N	N	30	<20
H28R0903	.50	7.00	7.00	.070	70	N	N	N	50	20
H28R0913	.50	3.00	5.00	.070	30	N	N	N	30	100
H28R0921	1.00	1.00	.30	.200	20	N	N	N	50	100
H28R0931	1.50	1.00	.50	.100	20	N	N	N	50	150
H28R0941	2.00	3.00	7.00	.150	30	N	N	N	50	200
H28R0948	.20	.50	7.00	.010	10	N	N	N	20	20

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H28, HARRISON 1 X 2 QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	He-nom s	Ri-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
H28R0505	<1.0	N	N	N	10	<5	N	N	N	7	N
H28R0515	<1.0	N	N	N	10	5	N	7	N	10	10
H28R0524	1.0	N	N	N	50	10	N	7	N	15	20
H28R0532	1.0	N	N	N	20	10	N	5	N	15	10
H28R0541	<1.0	N	N	N	<10	5	N	N	N	7	N
H28R0551	<1.0	N	N	N	<10	<5	N	<5	N	7	N
H28R0561	1.0	N	N	N	20	10	N	5	N	10	10
H28R0571	<1.0	N	N	N	10	<5	N	N	N	7	10
H28R0581	1.0	N	N	N	50	15	N	N	N	10	20
H28R0591	<1.0	N	N	N	N	10	N	N	N	7	N
H28R0601	1.0	N	N	N	50	15	N	20	N	10	20
H28R0611	N	N	N	N	N	7	N	5	N	<5	<10
H28R0617	<1.0	N	N	N	20	15	N	<5	N	5	15
H28R0625	1.0	N	N	N	30	30	N	N	N	7	10
H28R0635	N	N	N	N	N	5	N	N	N	5	<10
H28R0644	1.5	N	N	N	20	10	N	5	N	10	10
H28R0654	<1.0	N	N	N	<10	<5	N	N	N	5	N
H28R0664	1.0	N	N	N	15	5	N	15	N	10	<10
H28R0674	<1.0	N	N	N	20	15	N	15	N	10	15
H28R0683	N	N	N	N	<10	<5	N	N	N	7	N
H28R0692	1.5	N	N	N	70	50	N	N	N	10	10
H28R0701	<1.0	N	N	N	<10	<5	N	N	N	7	N
H28R0711	<1.0	N	N	N	20	<5	N	N	N	7	10
H28R0720	<1.0	N	N	N	15	10	N	N	N	10	15
H28R0730	<1.0	N	N	N	10	5	N	N	N	10	<10
H28R0740	<1.0	N	N	N	10	20	N	N	N	15	15
H28R0750	<1.0	N	N	N	<10	5	N	N	N	7	N
H28R0760	<1.0	N	N	N	N	5	N	N	N	5	<10
H28R0768	<1.0	N	N	N	10	15	N	N	N	10	<10
H28R0776	1.0	N	N	N	15	15	N	N	N	7	10
H28R0808	N	N	N	N	10	5	N	N	N	7	<10
H28R0827	<1.0	N	N	N	N	<5	N	N	N	5	N
H28R0836	<1.0	N	N	N	<10	<5	N	N	N	7	N
H28R0846	1.5	N	N	15	150	100	N	10	N	30	50
H28R0856	N	N	N	N	10	5	N	N	N	7	10
H28R0865	1.0	N	N	N	30	50	N	N	N	10	20
H28R0875	<1.0	N	N	N	<10	70	N	N	N	10	N
H28R0884	1.5	N	N	20	100	150	N	15	N	50	100
H28R0893	<1.0	N	N	N	10	<5	N	N	N	5	N
H28R0903	<1.0	N	N	N	20	7	N	N	N	5	<10
H28R0913	<1.0	N	N	N	20	5	N	N	N	5	<10
H28R0921	1.0	N	N	N	50	20	N	N	N	10	<10
H28R0931	1.0	N	N	N	70	20	N	N	N	15	15
H28R0941	1.0	N	N	N	50	20	N	N	N	20	15
H28R0948	<1.0	N	N	N	<10	<5	N	N	N	7	N

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H28, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Form
H28R0505	N	N	N	100	<10	N	N	N	70	N	39
H28R0515	N	N	N	100	<10	N	N	N	<10	N	39
H28R0524	N	5	N	<100	30	N	N	N	50	N	39
H28R0532	N	N	N	N	20	N	N	N	150	N	39
H28R0541	N	N	N	N	<10	N	N	N	50	N	39
H28R0551	N	N	N	N	<10	<50	N	N	50	N	39
H28R0561	N	N	N	1,000	15	N	N	N	50	N	39
H28R0571	N	N	N	<100	<10	N	N	N	50	N	39
H28R0581	N	<5	N	<100	50	N	N	N	30	N	39
H28R0591	N	N	N	N	<10	N	N	N	50	N	34
H28R0601	N	N	N	<100	50	N	N	N	50	N	39
H28R0611	N	N	N	100	<10	N	N	N	N	N	39
H28R0617	N	N	N	100	15	N	N	N	30	N	39
H28R0625	N	N	N	N	50	N	N	N	30	N	39
H28R0635	N	N	N	100	<10	N	N	N	N	N	39
H28R0644	N	N	N	150	20	N	N	N	70	N	39
H28R0654	N	N	N	N	<10	N	N	N	30	N	39
H28R0664	N	N	N	N	10	<50	N	N	30	N	39
H28R0674	N	N	N	<100	15	N	N	N	30	N	39
H28R0683	N	N	N	N	<10	N	N	N	30	N	39
H28R0692	N	N	N	N	70	N	N	N	50	N	39
H28R0701	N	N	N	N	<10	<50	N	N	N	N	39
H28R0711	N	N	N	N	20	N	N	N	30	N	39
H28R0720	N	N	N	<100	20	N	N	N	50	N	39
H28R0730	N	N	N	<100	15	N	N	N	50	N	39
H28R0740	N	N	N	100	20	N	N	N	20	N	39
H28R0750	N	N	N	N	<10	N	N	N	20	N	39
H28R0760	N	N	N	<100	<10	N	N	N	20	N	39
H28R0768	N	N	N	<100	10	N	N	N	<10	N	39
H28R0776	N	N	N	100	20	N	N	N	30	N	39
H28R0808	N	N	N	<100	10	N	N	N	N	N	39
H28R0827	N	N	N	N	<10	N	N	N	<10	N	39
H28R0836	N	N	N	N	<10	N	N	N	N	N	39
H28R0846	N	5	N	N	70	N	N	N	70	N	39
H28R0856	N	N	N	100	<10	N	N	N	50	N	39
H28R0865	N	N	N	N	30	N	N	N	100	N	39
H28R0875	N	N	N	N	<10	N	N	N	N	N	39
H28R0884	N	<5	N	N	50	N	N	N	70	N	39
H28R0893	N	N	N	N	<10	N	N	N	N	N	39
H28R0903	N	N	N	N	20	N	N	N	15	N	39
H28R0913	N	N	N	N	15	N	N	N	50	N	39
H28R0921	N	N	N	N	50	N	N	N	70	N	39
H28R0931	N	N	N	N	30	N	N	N	30	N	39
H28R0941	N	N	N	N	50	N	N	N	50	N	39
H28R0948	N	N	N	N	<10	N	N	N	N	N	39

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H28, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Fe-pct. %	Mg-pct. %	Ca-pct. %	Ti-pct. %	Mn-ppm %	Ag-ppm %	As-ppm %	Au-ppm %	B-ppm %	Ba-ppm %
H28R0956	.50	.20	.10	.100	10	N	N	N	30	100
H28R0966	3.00	2.00	5.00	.100	50	N	N	N	50	70
H28R0975	5.00	1.00	1.00	.100	20	N	N	N	100	150
H28R0984	.20	.20	.30	.020	<10	N	N	N	30	<20
H28R0996	.50	2.00	5.00	.015	20	N	N	N	30	<20
H28R1000	2.00	>10.00	20.00	.070	150	N	N	N	70	100

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H28, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
H28R0956	<1.0	N	N	N	20	<5	N	N	N	7	N
H28R0966	1.0	N	N	N	30	20	N	5	N	15	20
H28R0975	1.0	N	N	N	50	30	N	N	N	30	30
H28R0984	<1.0	N	N	N	10	<5	N	N	N	5	N
H28R0996	uj	N	N	N	<10	<5	N	N	N	7	N
H28R1000	<1.0	N	N	N	50	15	N	N	N	15	10

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE - RESIDUE SAMPLES FROM DRILL HOLE NO. H28, HARRISON 1 X 2
QUADRANGLE, MISSOURI AND ARKANSAS.--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Form
H28R0956	N	N	N	<100	10	N	N	N	50	N	39
H28R0966	N	N	N	N	30	N	N	N	30	N	39
H28R0975	N	N	N	N	50	N	N	N	30	N	39
H28R0984	N	N	N	N	<10	N	N	N	N	N	39
H28R0996	N	N	N	<100	<10	N	N	N	N	N	39
H28R1000	N	N	N	<100	20	N	N	N	20	N	39