UNITED STATES DEPARTMENT OF THE INTERIOR

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Spectrographic analyses of insoluble-residue samples, Harrison 1° x 2° quadrangle, Missouri and Arkansas: Drill holes nos. 50, 51, 52, 53, and 54

By

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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.

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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. 50 (Missouri log number 21791), drill hole no. 51 (Missouri log number 23766), drill hole no. 52 (Missouri log number 27211), drill hole no. 53 (Missouri log number 28263), and drill hole no. 54 (Missouri log number 13928) are given in this report. Drill hole no. 50 is located in sec. 16, T. 19 N., R. 13 W. in Baxter, County, Arkansas; drill hole no. 51 is located in sec. 18, T. 18 N., R. 21 W. in Boone County, Arkansas; drill hole no. 52 is located in sec. 27, T. 21 N., R. 26 W. in Carroll County, Arkansas; drill hole no. 53 is located in sec. 23, T. 21 N., R. 28 W. in Barry County, Missouri; and drill hole no. 54 is located in sec. 9, T. 22 N., R. 25 W., in Barry County, Missouri. Data for the insoluble-residue in samples in drill holes 50, 51, 52, 53, and 54 are listed in tables 1, 2, 3, 4, and 5 respectively. Missouri log number, county, and location allow correlation with the stratigraphic logs on file at the Misouri Division of Geology and Land Survey, Rolla, Missouri.

PREPARATION AND ANALYSIS OF SAMPLES

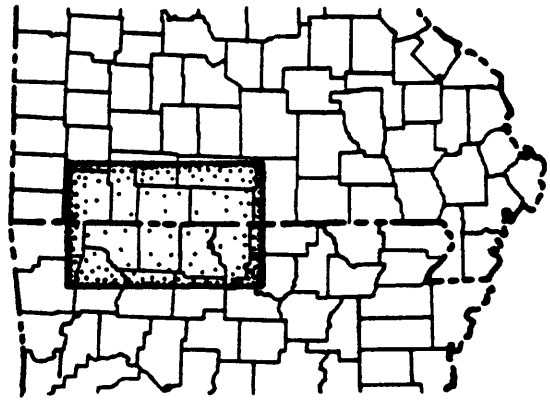
Insoluble residues were prepared by dissolving approximately 80 grams of crushed carbonate rock in repeated applications of 1:5 hydrochloric acid until the carbonate was removed. The samples were then filtered and dried overnight at 50 °C.

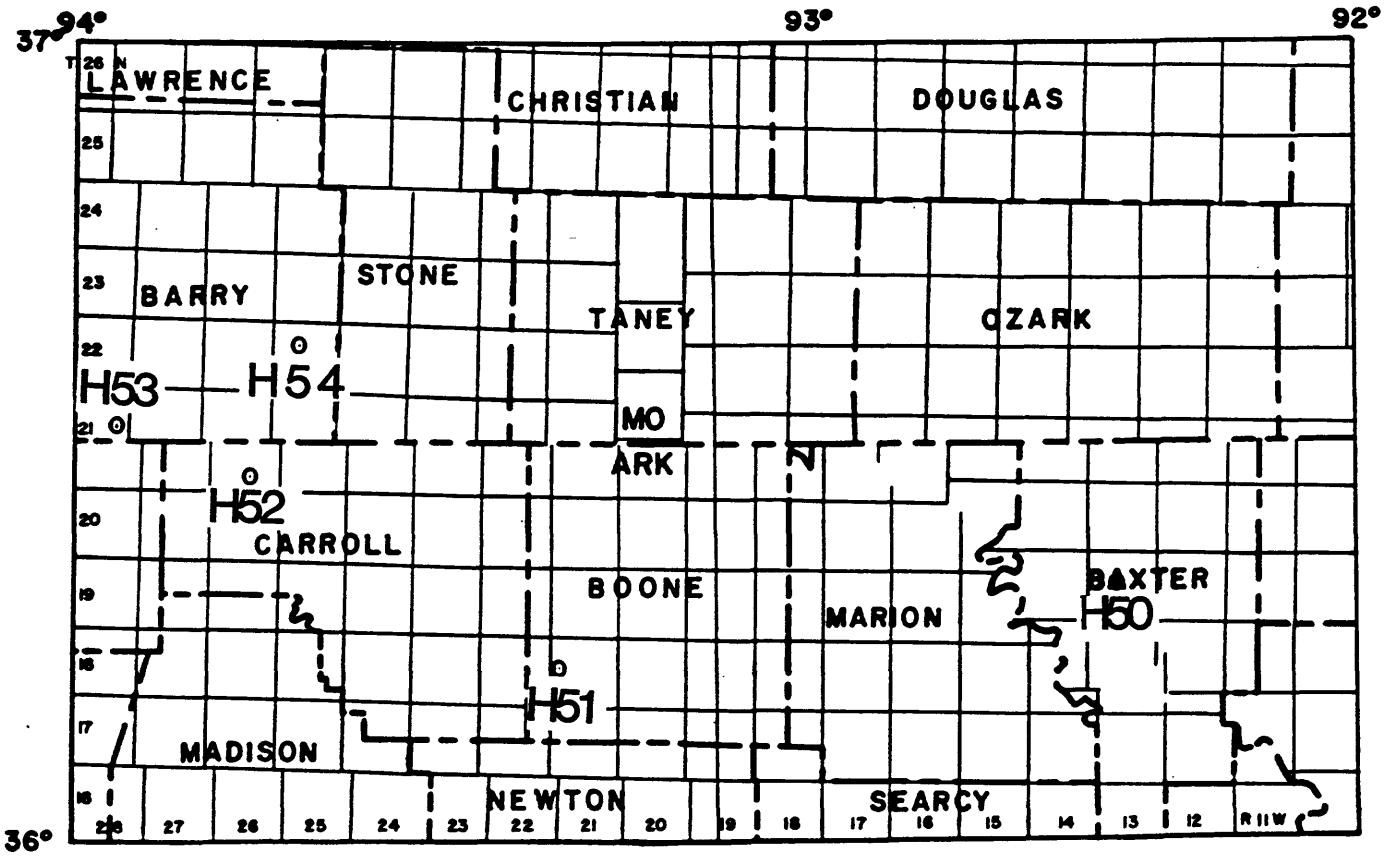
The samples were then pulverized to minus 140 mesh (0.105 mm) in a vertical grinder equipped with ceramic plates. Some insoluble-residue samples contained only a few milligrams of material, and these were hand ground in an agate mortar and pestle. A hand magnet was passed over the insoluble-residue samples 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).

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





Locations of drill holes discussed in this report

Figure 1. Locations of drill holes, Harrison 1° x 2° quadrangle, Missouri and Arkansas.

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 next number signifies the USGS drill-hole number. The next four digits identify the depth of the sample from the drill-hole collar. The letter R appears at the end of the character code and signifies insoluble residue. 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:

Code	Formation
42	Everton Formation-St. Peter Sandstone Undifferentiated
41	Undifferentiated Cambrian Units
40	Undifferentiated Ordovician Units
39	Jefferson City Dolomite-Cotter Dolomite Undifferentiated
31	Undifferentiated Mississippian Units
30	Chattanooga Shale
22	Powell Dolomite
21	Cotter Dolomite
20	Jefferson City Dolomite
19	Roubidoux Formation
18	Gasconade Formation
17	Gunter Sandstone member of the Gasconade Formation
16	Eminence Formation

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, 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. Please note that in many of the tables a large percentage of the tungsten values are reported as less than 50 ppm. The presence of tungsten may be a result of tungsten carbide drill bit contamination.

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.

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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.

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TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H50, 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	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
H500010R	7.00	.70	.50	.100	150	N	200	N	70	150
H500020R	2.00	.50	<.05	.200	150	N	N	N	100	150
H500030R	5.00	.30	.05	.150	100	N	200	N	100	150
H500040R	2.00	.10	.05	.030	15	N	<200	N	100	100
H500050R	1.50	.50	.20	.100	15	N	N	N	70	100
H500060R	.50	.15	.10	.070	10	N	N	N	70	150
H500070R	.50	.15	.10	.030	15	N	N	N	50	100
H500080R	.50	.07	<.05	.020	20	N	N	N	100	150
H500090R	.70	.50	.20	.050	10	1.5	N	N	100	100
H500100R	.70	.50	.30	.100	10	N	N	N	100	150
H500110R	.20	.20	.15	.020	10	N	N	N	100	150
H500120R	.50	.50	.50	.050	15	N	N	N	100	50
H500130R	1.00	.50	.30	.150	15	.7	N	N	100	200
H500140R	.70	.50	.20	.100	15	N	N	N	100	200
H500150R	1.00	.70	.20	.200	20	<.5	N	N	100	300
H500160R	3.00	.70	.15	.200	15	N	N	N	100	200
H500170R	.15	.07	.10	.015	<10	N	N	N	50	50
H500180R	1.00	.10	.05	.030	10	N	N	N	70	100
H500190R	.50	.30	.20	.030	<10	.7	N	N	70	100
H500200R	.20	.50	.30	.030	<10	N	N	N	70	150
H500210R	.50	.50	.30	.070	<10	N	N	N	50	150
H500220R	3.00	.70	.20	.300	20	<.5	N	N	100	300
H500230R	.50	.20	.30	.050	10	N	N	N	100	200
H500240R	1.00	.20	.20	.100	20	N	N	N	100	200
H500250R	1.00	.50	.50	.150	20	N	N	N	100	200
H500260R	1.00	.50	.20	.100	15	N	N	N	100	100
H500270R	1.00	1.00	1.00	.150	20	N	N	N	100	150
H500280R	1.00	.50	.30	.100	15	N	N	N	100	200
H500290R	1.00	.50	.05	.150	15	N	N	N	100	200
H500300R	5.00	1.00	.50	.300	30	.7	N	N	200	300
H500310R	1.00	.30	.10	.100	10	N	N	N	70	150
H500320R	3.00	.50	.15	.300	30	N	N	N	100	200
H500330R	1.00	.70	.50	.150	15	N	N	N	50	200
H500340R	2.00	.70	.30	.200	20	N	N	N	100	200
H500350R	.10	.70	2.00	.015	15	N	N	N	100	150
H500360R	.20	.50	1.00	.070	10	N	N	N	100	200
H500370R	.50	.50	.50	.070	20	N	N	N	100	200
H500380R	1.50	.50	.30	.200	20	N	N	N	100	300
H500390R	1.50	1.00	1.50	.200	30	N	N	N	100	200
H500400R	.15	.50	.30	.020	<10	N	N	N	50	100
H500410P	.10	.10	.15	.010	<10	N	N	N	30	150
H500420P	1.00	.50	.20	.150	15	N	N	N	70	150
H500430R	.70	1.50	2.00	.050	20	N	N	N	70	70
H500440R	.50	.50	.30	.070	10	N	N	N	50	100
H500450R	2.00	.50	.20	.100	200	N	N	N	70	100

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H50, 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
H500010R	1.0	N	N	7	50	20	N	50	N	15	<10
H500020R	1.5	N	N	5	50	15	N	7	N	20	10
H500030R	1.0	N	N	5	30	20	N	50	N	20	10
H500040R	<1.0	N	N	<5	20	10	N	50	N	10	<10
H500050R	1.0	N	N	N	30	10	N	30	N	10	N
H500060R	N	N	N	N	20	5	N	15	N	10	N
H500070R	N	N	N	N	20	5	N	7	N	10	N
H500080R	N	N	N	N	20	<5	N	10	N	7	N
H500090R	1.0	N	N	<5	20	15	N	7	N	10	10
H500100R	<1.0	N	N	N	20	10	N	7	N	10	20
H500110R	<1.0	N	N	N	20	<5	N	10	N	10	N
H500120R	<1.0	N	N	N	20	10	N	15	N	10	N
H500130R	<1.0	N	N	<5	30	50	N	30	N	20	15
H500140R	<1.0	N	N	<5	30	20	N	20	N	15	15
H500150R	1.0	N	N	5	30	20	N	15	N	15	20
H500160R	1.5	N	N	5	50	30	N	20	N	20	20
H500170R	N	N	N	N	20	<5	N	10	N	7	N
H500180R	N	N	N	N	20	10	N	15	N	10	N
H500190R	N	N	N	N	20	5	N	7	N	15	N
H500200R	N	N	N	N	20	5	N	7	N	10	N
H500210R	<1.0	N	N	N	20	10	N	7	N	15	N
H500220R	1.0	N	N	7	50	30	N	20	<20	50	50
H500230R	N	N	N	N	20	7	N	10	N	10	N
H500240R	<1.0	N	N	<5	30	15	N	15	N	15	15
H500250R	1.0	N	N	5	20	15	N	10	N	15	10
H500260R	1.0	N	N	<5	20	15	N	10	N	15	20
H500270R	1.5	N	N	5	50	20	N	20	N	20	20
H500280R	<1.0	N	N	5	30	20	N	15	N	15	10
H500290R	1.5	N	N	7	50	50	N	20	N	20	30
H500300R	2.0	N	N	15	100	100	N	30	<20	70	100
H500310R	1.0	N	N	5	15	20	N	15	N	15	15
H500320R	1.5	N	N	10	70	100	N	50	N	50	50
H500330R	1.0	N	N	7	50	20	N	20	N	10	30
H500340R	1.5	N	N	7	50	20	N	20	N	20	20
H500350R	N	N	N	<5	10	5	N	7	N	5	10
H500360R	1.0	N	N	<5	10	10	N	10	N	10	N
H500370R	1.0	N	N	5	10	10	N	15	N	10	15
H500380R	1.0	N	N	7	50	20	N	30	N	15	20
H500390R	1.5	N	N	7	70	20	N	30	N	15	20
H500400R	N	N	N	N	10	<5	N	5	N	7	N
H500410R	N	N	N	N	10	<5	N	5	N	7	N
H500420R	<1.0	N	N	5	20	10	N	<5	N	10	<10
H500430R	N	N	N	<5	20	10	N	10	N	10	N
H500440R	N	N	N	<5	20	15	N	10	N	10	N
H500450R	<1.0	N	N	5	20	15	N	15	N	10	<10

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H50, 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
H500010R	N	5	N	100	50	<50	10	N	50	N	21
H500020R	N	10	N	N	70	<50	10	N	50	N	21
H500030R	N	7	N	N	70	<50	15	N	50	N	21
H500040R	N	N	N	100	20	<50	N	N	20	N	21
H500050R	N	N	N	N	50	<50	N	N	30	N	21
H500060R	N	N	N	100	20	<50	N	N	30	N	21
H500070R	N	N	N	N	15	<50	N	N	20	N	21
H500080R	N	N	N	N	15	<50	N	N	15	N	21
H500090R	N	N	N	N	30	<50	N	N	10	N	21
H500100R	N	N	N	N	30	<50	N	N	30	N	21
H500110R	N	N	N	150	20	<50	N	N	<10	N	21
H500120R	N	N	N	N	20	<50	N	N	20	N	21
H500130R	N	<5	N	N	20	<50	N	N	50	N	21
H500140R	N	<5	N	N	20	<50	N	N	50	N	21
H500150R	N	5	N	N	50	<50	N	N	50	N	21
H500160R	N	7	N	N	50	<50	N	N	100	N	21
H500170R	N	N	N	N	10	<50	N	N	N	N	21
H500180R	N	N	N	N	15	<50	N	2,000	20	N	21
H500190R	N	N	N	N	15	<50	N	N	10	N	21
H500200R	N	N	N	N	20	<50	N	N	30	N	21
H500210R	N	N	N	N	30	<50	N	N	30	N	21
H500220R	N	7	N	N	50	<50	N	N	100	N	21
H500230R	N	N	N	100	15	<50	N	N	30	N	21
H500240R	N	N	N	100	20	<50	N	N	50	N	21
H500250R	N	<5	N	100	30	<50	N	N	70	N	21
H500260R	N	N	N	<100	20	<50	N	N	30	N	21
H500270R	N	5	N	100	50	<50	N	N	50	N	21
H500280R	N	N	N	500	20	<50	N	N	30	N	21
H500290R	N	5	N	200	50	<50	N	N	50	N	21
H500300R	N	10	N	N	150	<50	N	N	100	N	21
H500310R	N	N	N	<100	20	<50	N	N	30	N	21
H500320R	N	5	N	500	50	<50	N	N	100	N	21
H500330R	N	<5	N	N	30	<50	N	N	50	N	21
H500340R	N	5	N	N	50	<50	N	N	50	N	21
H500350R	N	N	N	<100	10	<50	N	N	N	N	21
H500360R	N	<5	N	100	30	<50	N	N	50	N	21
H500370R	N	N	N	<100	30	<50	N	N	50	N	21
H500380R	N	5	N	N	50	<50	N	N	100	N	21
H500390R	N	7	N	N	70	<50	N	N	70	N	21
H500400R	N	N	N	N	10	<50	N	N	20	N	21
H500410R	N	N	N	N	10	<50	N	N	30	N	21
H500420R	N	5	N	100	30	<50	N	N	30	N	21
H500430R	N	N	N	<100	20	<50	N	N	20	N	21
H500440R	N	N	N	<100	20	<50	N	N	50	N	21
H500450R	N	N	N	<100	20	<50	N	N	50	N	21

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H50, 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
H500460R	1.50	.20	.10	.100	50	N	N	N	70	150
H500470R	.15	.02	<.05	.007	<10	N	N	N	50	100
H500490R	2.00	.50	.20	.200	20	N	N	N	50	500
H500500R	7.00	.15	.10	.070	30	N	200	N	50	50
H500510R	7.00	.30	.15	.100	20	N	500	N	70	150
H500520R	5.00	.50	.15	.070	20	N	200	N	50	100
H500530R	1.50	.20	.15	.030	15	N	N	N	50	30
H500540R	1.00	.10	.05	.010	15	N	N	N	70	50
H500550R	1.50	.15	.10	.100	100	N	N	N	70	150
H500560R	1.50	.03	.05	.015	30	N	N	N	50	30
H500570R	1.50	.30	.05	.150	20	N	N	N	70	200
H500580R	.70	.50	.20	.070	20	N	N	N	70	150
H500590R	.50	.70	1.00	.030	10	N	N	N	100	100
H500600R	2.00	.30	.20	.070	15	N	N	N	70	150
H500610R	.50	.50	.30	.050	10	N	N	N	70	100
H500620R	.50	.70	.70	.070	15	N	N	N	50	100
H500630R	1.50	.50	.15	.100	20	N	N	N	100	150
H500640R	1.00	.30	.15	.070	20	N	N	N	50	150
H500650R	1.00	.05	<.05	.010	10	N	N	N	30	100
H500660R	10.00	.50	.07	.300	100	<.5	N	N	100	150
H500670R	7.00	.50	.10	.100	15	N	N	N	50	100
H500680R	.50	.10	.05	.070	15	N	N	N	70	200
H500690R	.70	.15	.05	.100	15	N	N	N	70	200
H500700R	.50	.15	.05	.100	15	N	N	N	70	150
H500710R	.50	.10	.05	.050	15	N	N	N	50	150
H500720R	.50	.15	.10	.050	15	N	N	N	50	100
H500730R	.70	.20	.20	.050	15	N	N	N	50	100
H500740R	.70	.30	.15	.070	15	N	N	N	50	150
H500750R	1.00	.30	.10	.100	20	N	N	N	70	150
H500760R	.70	.20	.07	.070	15	N	N	N	100	150
H500770R	.70	.15	.10	.030	10	N	N	N	50	300
H500780R	.10	.10	.07	.003	<10	N	N	N	50	150
H500790R	.20	.05	.05	.015	10	N	N	N	50	150
H500800R	1.00	.05	<.05	.010	20	N	N	N	50	70
H500810R	1.00	.07	.05	.020	15	N	N	N	70	200
H500820R	.50	.02	<.05	.007	10	N	N	N	50	50
H500830R	.20	.03	<.05	.010	10	N	N	N	50	100
H500840R	1.50	.15	.20	.003	15	N	N	N	50	100
H500850R	.50	.05	.05	.005	10	N	N	N	50	50
H500860R	.70	.10	<.05	.030	10	N	N	N	50	70
H500870R	1.00	.05	<.05	.010	15	N	N	N	30	50
H500880R	.20	.03	<.05	.005	<10	N	N	N	30	70
H500890R	.15	.02	<.05	.003	<10	N	N	N	20	50
H500900R	.30	.02	<.05	.003	10	N	N	N	20	70
H500910R	.20	.03	<.05	.015	<10	N	N	N	20	70

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H50, 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
H500460R	N	N	N	5	20	15	N	50	N	15	N
H500470R	N	N	N	N	10	<5	N	7	N	7	N
H500490R	<1.0	N	N	5	15	15	N	30	N	20	15
H500500R	<1.0	N	N	7	10	30	N	70	N	20	<10
H500510R	<1.0	N	N	5	20	30	N	50	N	20	20
H500520R	<1.0	N	N	5	20	20	N	30	N	20	15
H500530R	N	N	N	N	15	10	N	20	N	15	<10
H500540R	N	N	N	N	10	7	N	15	N	10	<10
H500550R	N	N	N	5	50	15	N	20	N	20	<10
H500560R	N	N	N	N	20	7	N	5	N	15	N
H500570R	<1.0	N	N	5	30	20	N	15	N	15	10
H500580R	<1.0	N	N	<5	30	15	N	50	N	30	20
H500590R	N	N	N	<5	10	7	N	20	N	20	N
H500600R	N	N	N	5	20	15	N	20	N	10	<10
H500610R	N	N	N	N	20	10	N	15	N	20	N
H500620R	N	N	N	<5	20	10	N	20	N	10	N
H500630R	<1.0	N	N	5	30	15	N	30	<20	20	<10
H500640R	N	N	N	<5	20	15	N	20	N	15	<10
H500650R	N	N	N	N	10	5	N	5	N	7	N
H500660R	1.0	N	N	10	70	70	N	50	N	70	30
H500670R	<1.0	N	N	5	20	50	N	15	N	30	50
H500680R	N	N	N	N	15	10	N	20	N	10	N
H500690R	<1.0	N	N	<5	20	15	N	30	N	15	N
H500700R	N	N	N	N	20	15	N	20	N	15	N
H500710R	N	N	N	N	20	7	N	20	N	15	N
H500720R	N	N	N	N	15	70	N	15	N	15	N
H500730R	N	N	N	N	20	10	N	20	N	15	N
H500740R	<1.0	N	N	N	20	15	N	10	N	15	N
H500750R	<1.0	N	N	N	20	20	N	15	N	20	N
H500760R	<1.0	N	N	N	20	10	N	20	N	15	N
H500770R	N	N	N	N	20	10	N	30	N	15	N
H500780R	N	N	N	N	15	<5	N	10	N	10	N
H500790R	N	N	N	N	15	<5	N	15	N	10	N
H500800R	N	N	N	N	15	5	N	20	N	10	N
H500810R	N	N	N	N	15	5	N	30	N	15	N
H500820R	N	N	N	N	15	<5	N	10	N	10	N
H500830R	N	N	N	N	15	<5	N	10	N	10	N
H500840R	N	N	N	N	20	10	N	100	<20	15	N
H500850R	N	N	N	N	20	<5	N	20	N	10	N
H500860R	N	N	N	N	20	10	N	50	N	10	N
H500870R	N	N	N	N	20	10	N	70	N	10	N
H500880R	N	N	N	N	15	<5	N	30	N	10	N
H500890R	N	N	N	N	15	<5	N	10	N	10	N
H500900R	N	N	N	N	10	<5	N	15	N	10	N
H500910R	N	N	N	N	10	<5	N	15	N	10	N

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H50, 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
H500460R	N	N	N	N	20	<50	N	N	50	N	21
H500470R	N	N	N	N	15	<50	N	N	30	N	21
H500490R	N	5	N	N	20	<50	N	N	1,000	N	21
H500500R	N	N	N	N	30	<50	N	N	50	N	21
H500510R	N	<5	N	N	30	<50	N	N	70	N	21
H500520R	N	N	N	N	30	<50	N	N	30	N	21
H500530R	N	N	N	N	15	<50	N	N	10	N	20
H500540R	N	N	N	N	15	<50	N	N	N	N	20
H500550R	N	N	N	N	30	<50	N	N	70	N	20
H500560R	N	N	N	N	15	<50	N	N	20	N	20
H500570R	N	5	N	N	50	<50	N	N	50	N	20
H500580R	N	<5	N	N	20	<50	N	N	50	N	20
H500590R	N	N	N	N	15	<50	N	N	10	N	20
H500600R	N	N	N	N	20	<50	N	N	50	N	20
H500610R	N	N	N	N	20	<50	N	N	20	N	20
H500620R	N	N	N	N	20	<50	N	N	50	N	20
H500630R	N	5	N	N	30	<50	N	N	100	N	20
H500640R	N	N	N	N	20	<50	N	N	50	N	20
H500650R	N	N	N	N	15	<50	N	N	50	N	20
H500660R	N	7	N	N	100	<50	N	N	100	N	20
H500670R	N	5	N	N	20	<50	N	N	20	N	20
H500680R	N	N	N	<100	15	<50	N	N	20	N	20
H500690R	N	N	N	<100	20	<50	N	N	50	N	20
H500700R	N	N	N	N	20	<50	N	N	30	N	20
H500710R	N	N	N	N	15	<50	N	N	30	N	20
H500720R	N	N	N	N	20	<50	N	N	15	N	20
H500730R	N	N	N	N	30	<50	N	N	15	N	20
H500740R	N	N	N	N	30	<50	N	N	20	N	20
H500750R	N	N	N	N	30	<50	N	N	30	N	20
H500760R	N	N	N	N	30	<50	N	N	30	N	19
H500770R	N	N	N	N	20	<50	N	N	30	N	19
H500780R	N	N	N	N	<10	<50	N	N	10	N	19
H500790R	N	N	N	N	15	<50	N	N	10	N	19
H500800R	N	N	N	N	15	<50	N	N	<10	N	19
H500810R	N	N	N	N	15	<50	N	N	20	N	19
H500820R	N	N	N	N	10	<50	N	N	10	N	19
H500830R	N	N	N	N	15	<50	N	N	10	N	19
H500840R	N	N	N	N	10	<50	N	N	N	N	19
H500850R	N	N	N	N	20	<50	N	N	N	N	19
H500860R	N	N	N	N	10	<50	N	200	15	N	19
H500870R	N	N	N	N	10	<50	N	N	15	N	19
H500880R	N	N	N	N	10	<50	N	N	10	N	19
H500890R	N	N	N	N	10	<50	N	N	10	N	19
H500900R	N	N	N	N	10	<50	N	N	30	N	19
H500910R	N	N	N	N	15	<50	N	N	30	N	19

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H50, 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
H500920R	.50	.05	<.05	.010	20	N	N	N	30	70
H500930R	.50	.05	.05	.015	15	N	N	N	50	100
H500940R	.50	.07	.05	.015	15	N	N	N	50	100
H500950R	.50	.05	<.05	.020	<10	N	N	N	50	100
H500960R	3.00	.07	.07	.010	<10	N	N	N	70	100
H500970R	2.00	.07	.05	.010	<10	N	N	N	70	50
H500980R	1.50	.07	.07	.010	10	N	N	N	50	100
H500990R	1.50	.05	.05	.015	10	N	N	N	70	20
H501000R	1.00	.02	<.05	.015	<10	N	N	N	70	<20
H501010R	.20	.05	<.05	.002	<10	N	N	N	70	50
H501020R	.10	.03	<.05	.002	<10	N	N	N	70	50
H501030R	.15	.02	.05	.015	<10	N	N	N	70	20
H501040R	.20	.02	<.05	.003	<10	N	N	N	50	30
H501050R	.50	.02	<.05	.003	<10	N	N	N	50	20
H501060R	.30	.03	<.05	.002	10	N	N	N	50	70
H501070R	.15	.03	<.05	.002	<10	N	N	N	50	100
H501080R	1.00	.05	.07	<.002	15	N	N	N	50	150
H501090R	.50	.03	.07	<.002	10	N	N	N	50	100
H501100R	.20	.03	.05	<.002	10	N	N	N	50	100
H501110R	.20	.05	.07	<.002	<10	N	N	N	50	100
H501120R	.70	.05	.05	.005	10	N	N	N	50	70
H501130R	.70	.05	.05	.005	10	N	N	N	50	150
H501140R	.50	.02	<.05	<.002	15	N	N	N	50	100
H501150R	.50	.03	.05	.005	<10	N	N	N	50	100
H501160R	.20	.05	<.05	.002	<10	N	N	N	50	70
H501170R	.50	.03	<.05	.015	10	N	N	N	50	20
H501180R	.50	.03	.07	.010	<10	N	N	N	70	100
H501190R	.30	.03	.05	.002	<10	N	N	N	50	70
H501200R	.15	.02	<.05	<.002	<10	N	N	N	50	50
H501210R	.20	.03	.05	.002	<10	N	N	N	50	100
H501220R	.10	.02	.05	.002	<10	N	N	N	50	50
H501230R	.15	.02	.05	.002	<10	N	N	N	50	50
H501240R	.10	.02	.05	.002	<10	N	N	N	50	50
H501250R	.20	.02	.05	.002	<10	N	N	N	50	50
H501260R	.20	.03	.05	.003	<10	N	N	N	50	70
H501270R	.20	.03	.05	.002	<10	N	N	N	50	30
H501280R	.30	.05	.05	.003	<10	N	N	N	50	50
H501290R	1.00	.05	.05	.003	<10	N	N	N	50	30
H501300R	.50	.05	.05	.003	<10	N	N	N	50	50
H501310R	.70	.05	.05	.003	<10	N	N	N	50	70
H501320R	.50	.03	.05	.005	<10	N	N	N	50	50
H501330R	.70	.15	.20	.003	<10	N	N	N	30	30
H501340R	.70	.10	.10	.010	<10	N	N	N	50	30
H501350R	1.00	.10	.15	.007	10	N	N	N	70	100
H501360P	.70	.05	.10	.015	10	N	N	N	70	100

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H50, 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
H500920R	N	N	N	N	10	7	N	20	N	10	N
H500930R	N	N	N	N	15	5	N	20	N	10	100
H500940R	N	N	N	N	10	5	N	30	N	10	20
H500950R	N	N	N	N	10	5	N	20	N	10	10
H500960R	N	N	N	N	10	15	N	20	N	15	10
H500970R	N	N	N	N	10	15	N	20	N	15	10
H500980R	N	N	N	N	10	10	N	20	N	10	30
H500990R	N	N	N	N	15	10	N	15	N	15	N
H501000R	N	N	N	N	10	7	N	10	N	10	N
H501010R	N	N	N	N	15	5	N	10	N	10	N
H501020R	N	N	N	N	10	<5	N	7	N	10	N
H501030R	N	N	N	N	15	<5	N	10	N	10	N
H501040R	N	N	N	N	10	<5	N	30	N	15	N
H501050R	N	N	N	N	10	<5	N	30	N	10	N
H501060R	N	N	N	N	15	<5	N	15	N	10	N
H501070R	N	N	N	N	15	<5	N	10	N	10	N
H501080R	N	N	N	N	20	5	N	20	N	15	N
H501090R	N	N	N	N	15	<5	N	10	N	10	N
H501100R	N	N	N	N	15	<5	N	10	N	10	N
H501110R	N	N	N	N	15	<5	N	10	N	10	N
H501120R	N	N	N	N	15	5	N	20	N	10	N
H501130R	N	N	N	N	15	5	N	15	N	10	N
H501140R	N	N	N	N	10	<5	N	10	N	10	N
H501150R	N	N	N	N	15	<5	N	15	N	7	N
H501160R	N	N	N	N	20	<5	N	15	N	7	N
H501170R	N	N	N	N	20	<5	N	10	N	10	N
H501180R	N	N	N	N	15	<5	N	30	N	10	N
H501190R	N	N	N	N	15	<5	N	20	N	10	N
H501200R	N	N	N	N	10	<5	N	15	N	7	N
H501210R	N	N	N	N	15	<5	N	15	N	7	N
H501220R	N	N	N	N	15	<5	N	15	N	10	N
H501230R	N	N	N	N	15	<5	N	15	N	10	N
H501240R	N	N	N	N	15	<5	N	20	N	10	N
H501250R	N	N	N	N	15	5	N	15	N	10	N
H501260R	N	N	N	N	15	5	N	30	N	10	N
H501270R	N	N	N	N	15	5	N	20	N	10	N
H501280R	N	N	N	N	15	5	N	15	N	10	N
H501290R	N	N	N	N	15	5	N	50	N	10	N
H501300R	N	N	N	N	20	<5	N	20	N	10	N
H501310R	N	N	N	N	20	<5	N	20	N	10	N
H501320R	N	N	N	N	15	5	N	20	N	10	N
H501330R	N	N	N	N	15	<5	N	15	N	7	N
H501340R	N	N	N	N	10	5	N	20	N	10	N
H501350R	N	N	N	N	15	5	N	20	N	10	N
H501360R	N	N	N	N	20	5	N	20	N	15	N

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H50, 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
H500920R	N	N	N	N	15	<50	N	N	15	N	19
H500930R	N	N	N	N	15	<50	N	N	<10	N	19
H500940R	N	N	N	N	15	<50	N	N	20	N	19
H500950R	N	N	N	N	15	<50	N	N	15	N	19
H500960R	N	N	N	N	20	<50	N	N	50	N	18
H500970R	N	N	N	N	15	<50	N	N	N	N	18
H500980R	N	N	N	N	15	<50	N	N	N	N	18
H500990R	N	N	N	N	15	<50	N	N	50	N	18
H501000R	N	N	N	N	15	<50	N	N	N	N	18
H501010R	N	N	N	N	15	<50	N	N	20	N	18
H501020R	N	N	N	N	10	<50	N	N	N	N	18
H501030R	N	N	N	N	15	<50	N	N	N	N	18
H501040R	N	N	N	N	10	<50	N	N	N	N	18
H501050R	N	N	N	N	10	<50	N	N	N	N	18
H501060R	N	N	N	N	10	<50	N	N	N	N	18
H501070R	N	N	N	N	10	<50	N	N	N	N	18
H501080R	N	N	N	N	10	<50	N	N	N	N	18
H501090R	N	N	N	N	10	<50	N	N	N	N	18
H501100R	N	N	N	N	10	<50	N	N	N	N	18
H501110R	N	N	N	N	10	<50	N	N	N	N	18
H501120R	N	N	N	N	10	<50	N	N	N	N	18
H501130R	N	N	N	N	10	<50	N	N	N	N	18
H501140R	N	N	N	N	<10	<50	N	N	N	N	18
H501150R	N	N	N	N	10	<50	N	N	N	N	18
H501160R	N	N	N	N	10	<50	N	N	N	N	18
H501170R	N	N	N	N	10	<50	N	N	N	N	18
H501180R	N	N	N	N	10	<50	N	N	N	N	18
H501190R	N	N	N	N	10	<50	N	N	N	N	18
H501200R	N	N	N	N	10	<50	N	N	N	N	18
H501210R	N	N	N	N	10	<50	N	N	N	N	18
H501220R	N	N	N	N	10	<50	N	N	N	N	18
H501230R	N	N	N	N	10	<50	N	N	N	N	18
H501240R	N	N	N	N	10	<50	N	N	N	N	18
H501250R	N	N	N	N	10	<50	N	N	N	N	18
H501260R	N	N	N	N	10	<50	N	300	N	N	18
H501270R	N	N	N	N	10	<50	N	N	N	N	18
H501280R	N	N	N	N	10	<50	N	N	N	N	18
H501290R	N	N	N	N	10	<50	N	N	N	N	18
H501300R	N	N	N	N	10	<50	N	N	N	N	18
H501310R	N	N	N	N	10	<50	N	N	N	N	18
H501320R	N	N	N	N	10	<50	N	N	N	N	18
H501330R	N	N	N	N	10	<50	N	N	N	N	18
H501340R	N	N	N	N	10	<50	N	N	N	N	18
H501350R	N	N	N	N	10	<50	N	N	N	N	18
H501360R	N	N	N	N	15	<50	N	N	N	N	18

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H50, 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
H501370R	2.00	.10	.05	.100	15	N	N	N	70	100
H501380R	1.00	.03	<.05	.002	10	N	N	N	50	50
H501390R	10.00	.03	<.05	.020	30	N	200	N	70	<20
H501400R	.20	.05	.05	.003	<10	N	N	N	50	50
H501410R	.20	.03	<.05	.002	<10	N	N	N	50	<20
H501420R	.20	.03	<.05	.002	<10	N	N	N	50	<20
H501430R	3.00	.05	.05	.002	10	N	500	N	50	20
H501440R	7.00	.07	.07	.003	20	.5	500	N	50	20
H501450R	3.00	.02	<.05	.002	15	N	<200	N	100	<20
H501460R	3.00	.03	<.05	<.002	10	N	200	N	100	20
H501470R	1.50	.03	<.05	<.002	<10	N	N	N	30	20
H501480R	10.00	.02	.05	<.002	20	.5	700	N	50	<20
H501490R	7.00	.05	.10	.002	15	N	<200	N	50	<20
H501500R	1.00	.05	.07	.002	<10	N	N	N	50	20
H501510R	1.00	.02	<.05	.002	10	N	N	N	20	<20
H501520R	.10	<.02	<.05	.002	<10	N	N	N	10	N
H501530R	1.50	.02	<.05	.002	<10	N	N	N	10	N
H501540R	5.00	.02	<.05	.030	15	N	<200	N	20	N

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H50, 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
H501370R	N	N	N	N	20	15	N	50	N	20	N
H501380R	N	N	N	N	15	5	N	15	N	10	N
H501390R	N	N	N	N	20	20	N	30	N	30	20
H501400R	N	N	N	N	20	<5	N	15	N	7	N
H501410R	N	N	N	N	10	<5	N	15	N	7	N
H501420R	N	N	N	N	10	<5	N	10	N	7	N
H501430R	N	N	N	N	20	15	N	30	N	15	N
H501440R	N	N	N	N	20	20	N	100	N	20	N
H501450R	N	N	N	N	15	10	N	30	N	10	N
H501460R	N	N	N	N	15	10	N	50	N	15	N
H501470R	N	N	N	N	15	5	N	30	N	10	N
H501480R	N	N	N	N	10	20	N	30	N	15	70
H501490R	N	N	N	N	15	15	N	20	N	10	20
H501500R	N	N	N	N	15	<5	N	10	N	7	N
H501510R	N	N	N	N	20	<5	N	15	N	7	N
H501520R	N	N	N	N	20	<5	N	7	N	5	N
H501530R	N	N	N	N	20	5	N	10	N	10	N
H501540R	N	N	N	N	20	15	N	20	N	15	N

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H50, 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
H501370R	N	N	N	N	50	<50	N	N	30	N	18
H501380R	N	N	N	N	<10	<50	N	N	50	N	18
H501390R	N	N	N	N	20	<50	N	N	N	N	18
H501400R	N	N	N	N	10	<50	N	N	N	N	18
H501410R	N	N	N	N	10	<50	N	N	N	N	18
H501420R	N	N	N	N	10	<50	N	N	N	N	18
H501430R	N	N	N	N	10	<50	N	N	N	N	18
H501440R	N	N	N	N	10	<50	N	N	N	N	18
H501450R	N	N	N	N	15	<50	N	N	N	N	18
H501460R	N	N	N	N	15	<50	N	N	N	N	18
H501470R	N	N	N	N	15	<50	N	N	N	N	18
H501480R	N	N	N	N	10	<50	N	N	N	N	18
H501490R	N	N	N	N	10	<50	N	N	N	N	18
H501500R	N	N	N	N	10	<50	N	N	N	N	17
H501510R	N	N	N	N	15	<50	N	N	10	N	17
H501520R	N	N	N	N	15	<50	N	N	15	N	17
H501530R	N	N	N	N	10	<50	N	N	50	N	16
H501540R	N	N	N	N	15	<50	N	N	20	N	16

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H51, 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	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
H510440R	.10	.02	.10	.010	15	N	N	N	20	70
H510450R	<.05	<.02	<.05	.003	15	N	N	N	15	20
H510460R	<.05	.02	<.05	.003	15	N	N	N	20	<20
H510470R	.05	.02	<.05	.003	10	N	N	N	10	<20
H510480R	<.05	.02	<.05	.002	10	N	N	N	15	20
H510490R	.05	.02	<.05	.003	10	N	N	N	20	20
H510500R	.15	.02	.07	.007	10	N	N	N	20	20
H510510R	.50	.03	.10	.020	15	N	N	N	30	30
H510520R	.30	.02	.07	.015	10	N	N	N	30	<20
H510530R	.50	.02	.07	.007	20	N	N	N	30	20
H510540R	.50	.02	.05	.015	15	N	N	N	20	100
H510550R	1.00	.02	<.05	.015	20	N	N	N	20	100
H510560R	1.00	.05	<.05	.050	15	N	N	N	50	100
H510570R	.70	.05	.05	.070	20	N	N	N	50	150
H510580R	2.00	.07	.05	.100	20	N	N	N	100	200
H510590R	2.00	.30	.07	.150	50	N	N	N	100	200
H510600R	2.00	.30	.05	.100	50	N	N	N	100	200
H510610R	5.00	.50	.20	.150	70	N	N	N	150	300
H510620R	2.00	.70	.20	.150	100	N	N	N	150	300
H510630R	3.00	.70	.30	.150	100	N	N	N	200	300
H510640R	1.50	2.00	5.00	.200	150	N	N	N	150	300
H510650R	1.00	2.00	5.00	.200	100	N	N	N	200	300
H510660R	1.00	2.00	3.00	.200	100	N	N	N	200	500
H510670R	1.50	1.00	.20	.300	100	N	N	N	150	500
H510680R	1.50	1.00	.15	.200	70	N	N	N	200	200
H510690R	2.00	1.00	.20	.300	100	N	N	N	200	300
H510700R	2.00	1.00	.10	.300	70	N	N	N	300	300
H510710R	3.00	.70	.07	.300	100	N	N	N	200	200
H510720R	1.50	.50	.05	.200	50	N	N	N	200	200
H510730R	1.50	.70	.10	.500	50	N	N	N	200	300
H510740R	2.00	.30	.07	.100	70	N	N	N	150	150
H510750R	3.00	.20	.07	.100	20	N	N	N	200	100
H510760R	.70	.70	.50	.150	20	N	N	N	150	300
H510770R	.50	.70	.30	.150	20	N	N	N	150	200
H510780R	.70	.50	.50	.100	20	N	N	N	150	100
H510790R	.20	1.00	.70	.070	15	N	N	N	100	100
H510800R	.50	1.00	.70	.050	20	N	N	N	100	70
H510810R	.30	.50	.30	.100	20	N	N	N	150	100
H510820R	.70	1.50	1.00	.150	50	N	N	N	150	150
H510830R	.50	1.50	1.00	.100	30	N	N	N	150	150
H510840R	.30	1.00	1.50	.150	30	N	N	N	100	200
H510850R	.50	1.00	1.00	.070	20	N	N	N	150	200
H510860R	1.00	.20	.10	.100	20	N	<200	N	100	100
H510870R	1.00	.20	.20	.200	20	N	N	N	100	200
H510880R	.70	1.00	1.00	.100	20	N	N	N	70	70

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H51, 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
H510440R	<1.0	N	N	N	10	<5	N	7	N	10	<10
H510450R	<1.0	N	N	N	10	<5	N	<5	N	10	<10
H510460R	<1.0	N	N	N	15	<5	N	<5	N	5	<10
H510470R	<1.0	N	N	N	10	<5	N	5	N	5	<10
H510480R	<1.0	N	N	N	15	<5	N	<5	N	5	<10
H510490R	<1.0	N	N	N	15	<5	N	<5	N	7	<10
H510500R	<1.0	N	N	N	15	10	N	<5	N	7	<10
H510510R	<1.0	N	N	N	15	15	N	7	N	7	<10
H510520R	<1.0	N	N	7	10	10	N	5	N	10	<10
H510530R	<1.0	N	N	N	10	200	N	5	N	7	<10
H510540R	<1.0	N	N	<5	10	200	N	5	N	10	<10
H510550R	<1.0	N	N	<5	15	7	N	7	N	15	<10
H510560R	<1.0	N	N	5	20	15	N	10	N	15	<10
H510570R	<1.0	N	N	<5	20	50	N	7	N	10	<10
H510580R	1.0	N	N	15	20	50	N	10	N	30	30
H510590R	1.5	N	N	20	30	50	N	10	N	50	20
H510600R	1.0	N	N	20	30	50	N	10	N	20	30
H510610R	1.5	N	N	50	50	70	N	15	N	70	50
H510620R	<1.0	N	N	30	50	200	N	20	N	50	30
H510630R	1.0	N	N	30	30	70	N	15	N	50	20
H510640R	1.0	N	N	7	70	70	30	10	N	30	50
H510650R	1.5	N	N	10	100	30	50	20	N	50	100
H510660R	2.0	N	N	10	100	20	50	15	N	50	50
H510670R	2.0	N	N	300	150	100	30	20	N	70	70
H510680R	2.0	N	N	100	150	100	N	20	N	70	100
H510690R	2.0	N	N	30	100	100	N	30	N	100	100
H510700R	2.0	N	N	20	100	70	N	30	N	100	100
H510710R	1.0	N	N	30	150	200	N	50	N	150	30
H510720R	1.0	N	N	30	70	50	N	15	N	70	50
H510730R	2.0	N	N	15	100	70	N	20	N	50	70
H510740R	2.0	N	N	500	100	50	N	30	N	70	50
H510750R	1.0	N	N	200	50	70	N	20	N	70	30
H510760R	1.0	N	N	7	50	30	N	7	N	10	15
H510770R	1.0	N	N	<5	30	15	N	5	N	15	20
H510780R	<1.0	N	N	<5	30	15	N	15	N	15	10
H510790R	1.0	N	N	N	20	15	N	5	N	7	10
H510800R	<1.0	N	N	N	20	500	N	5	N	7	10
H510810R	<1.0	N	N	N	30	7	N	5	N	10	15
H510820R	1.0	N	N	10	30	15	N	10	N	10	20
H510830R	<1.0	N	N	7	20	15	N	10	N	10	20
H510840R	<1.0	N	N	5	20	10	N	10	N	10	10
H510850R	1.5	N	N	N	50	20	N	5	N	10	15
H510860R	<1.0	N	N	15	50	20	N	10	N	15	15
H510870R	<1.0	N	N	5	50	30	N	15	N	30	30
H510880R	N	N	N	<5	20	15	N	5	N	20	10

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H51, 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
H510440R	N	N	N	N	10	50	N	N	20	N	42
H510450R	N	N	N	N	<10	<50	N	N	20	N	42
H510460R	N	N	N	N	10	<50	N	N	10	N	42
H510470R	N	N	N	N	10	<50	N	N	10	N	42
H510480R	N	N	N	N	<10	<50	N	N	50	N	42
H510490R	N	N	N	N	<10	<50	N	N	15	N	42
H510500R	N	N	N	N	<10	<50	N	N	30	N	42
H510510R	N	N	N	N	20	<50	N	N	50	N	42
H510520R	N	N	N	N	15	<50	N	N	20	N	42
H510530R	N	N	N	N	<10	50	N	N	50	N	42
H510540R	N	N	N	N	10	<50	N	N	50	N	42
H510550R	N	N	N	N	10	50	N	N	50	N	42
H510560R	N	N	N	N	20	<50	N	N	100	N	42
H510570R	N	N	N	N	30	<50	N	N	100	N	42
H510580R	N	N	N	N	30	<50	N	N	100	N	42
H510590R	N	N	N	N	50	<50	N	N	150	N	42
H510600R	N	N	N	N	50	<50	N	N	100	N	42
H510610R	N	N	N	N	50	50	N	N	150	N	42
H510620R	N	N	N	N	50	<50	N	N	150	N	42
H510630R	N	<5	N	<100	50	<50	N	N	150	N	42
H510640R	N	5	N	100	70	<50	N	N	100	N	42
H510650R	N	5	N	N	100	<50	N	N	100	N	42
H510660R	N	<5	N	N	100	<50	N	N	100	N	42
H510670R	N	5	N	N	100	1,500	N	<200	150	N	42
H510680R	N	<5	N	N	100	1,000	N	N	50	N	22
H510690R	N	7	N	N	100	70	N	N	150	N	22
H510700R	N	5	N	N	100	<50	N	N	100	N	22
H510710R	N	5	N	N	100	<50	N	N	150	N	22
H510720R	N	<5	N	N	100	<50	N	N	100	N	22
H510730R	N	<5	N	N	100	<50	N	N	100	N	22
H510740R	N	N	N	N	50	2,000	N	N	100	N	22
H510750R	N	N	N	N	50	1,500	N	N	50	N	22
H510760R	N	N	N	700	50	50	N	N	50	N	22
H510770R	N	N	N	N	50	50	N	N	50	N	22
H510780R	N	N	N	100	30	<50	N	N	50	N	22
H510790R	N	N	N	N	30	<50	N	<200	30	N	22
H510800R	N	N	N	200	30	<50	N	N	20	N	22
H510810R	N	N	N	<100	50	<50	N	N	30	N	22
H510820R	N	N	N	N	70	<50	N	N	100	N	22
H510830R	N	N	N	N	50	<50	N	N	100	N	22
H510840R	N	N	N	N	50	<50	N	N	50	N	22
H510850R	N	<5	N	100	70	<50	N	N	50	N	22
H510860R	N	<5	N	<100	50	<50	N	N	50	N	22
H510870R	N	N	N	<100	70	<50	N	N	50	N	22
H510880R	N	N	N	N	20	<50	N	N	50	N	22

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H51, 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
H510890R	.70	.05	.05	.030	30	N	N	N	50	50
H510900R	1.00	.30	.07	1.000	30	N	N	N	100	100
H510910R	.70	5.00	5.00	.200	50	N	N	N	100	100
H510920R	.15	.50	1.00	.010	20	N	N	N	50	20
H510930R	1.50	.70	.30	.500	30	N	N	N	150	200
H510940R	1.50	.50	.20	.300	20	N	N	N	150	150
H510950R	1.00	.10	.05	.100	15	N	N	N	100	50
H510960R	1.50	.15	.10	.150	20	N	N	N	100	70
H510970R	1.50	.10	.10	.100	10	N	N	N	100	50
H510980R	1.00	.70	1.00	.200	15	N	N	N	100	150
H510990R	.50	.10	.05	.200	15	N	N	N	100	30
H511000R	.30	.05	<.05	.050	10	N	N	N	100	70
H511020R	.50	.10	<.05	.150	15	N	N	N	100	50
H511030R	.70	.10	.05	.100	20	N	N	N	100	20
H511040R	1.00	.20	.20	.200	15	N	N	N	100	70
H511050R	.70	.20	.07	.100	10	N	N	N	100	30
H511060R	1.00	.50	.20	.300	20	N	N	N	100	150
H511070R	1.50	.30	.10	.300	50	N	N	N	100	200
H511080R	1.50	.30	.10	.300	50	N	N	N	150	200
H511090R	1.00	.50	.50	.200	30	N	N	N	70	200
H511100R	.70	.20	.10	.150	20	N	N	N	100	100
H511110R	.20	.20	.20	.050	15	N	N	N	100	50
H511120R	.70	.15	.05	.200	15	N	N	N	100	50
H511130R	1.00	.30	.05	.200	20	N	N	N	50	30
H511140R	.30	.10	<.05	.050	20	N	N	N	50	30
H511150R	1.00	.30	.10	.200	50	N	N	N	70	50
H511160R	1.50	.50	.15	.500	50	N	N	N	100	100
H511170R	1.00	.20	.07	.100	20	N	N	N	70	20
H511180R	.50	.30	.07	.100	20	N	N	N	70	20
H511190R	.05	.02	<.05	.003	10	N	N	N	70	<20
H511200R	.05	.02	<.05	.002	15	N	N	N	100	<20
H511210R	1.00	.10	<.05	.050	10	N	N	N	70	30
H511230R	1.50	.15	<.05	.100	10	N	N	N	100	70
H511240R	1.00	.10	.05	.150	10	N	N	N	100	70
H511250R	1.00	.15	.05	.200	10	N	N	N	100	50
H511260R	1.00	.30	.15	.150	10	N	N	N	100	50
H511270R	.50	.50	.15	.070	20	N	N	N	50	50
H511280R	.70	.50	.70	.100	20	N	N	N	50	50
H511290R	.50	.50	.50	.100	20	N	N	N	70	100
H511300R	.70	1.50	2.00	.150	30	N	N	N	70	100
H511310R	.50	.10	.05	.100	20	N	N	N	50	30
H511320R	.50	.30	.07	.100	20	N	N	N	70	70
H511330R	.50	.20	.05	.150	20	N	N	N	50	50
H511340R	1.00	.30	.07	.150	30	N	N	N	70	100
H511350R	1.00	.30	.10	.200	20	N	N	N	50	100

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H51, 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
H510890R	1.0	N	N	N	20	15	N	15	N	30	10
H510900R	1.0	N	N	5	100	50	N	20	<20	30	20
H510910R	1.0	N	N	5	50	20	N	10	N	30	100
H510920R	<1.0	N	N	N	150	7	N	<5	N	30	70
H510930R	1.0	N	N	5	100	70	N	15	N	50	100
H510940R	<1.0	N	N	5	50	50	N	70	N	30	100
H510950R	<1.0	N	N	N	20	10	N	10	N	20	50
H510960R	1.0	N	N	N	30	20	N	20	N	20	70
H510970R	<1.0	N	N	N	30	10	N	15	N	20	15
H510980R	<1.0	N	N	N	50	10	N	5	N	10	50
H510990R	<1.0	N	N	N	20	7	N	10	N	15	<10
H511000R	1.0	N	N	N	20	10	N	7	N	7	<10
H511020R	1.0	N	N	N	30	7	N	7	N	7	15
H511030R	<1.0	N	N	10	50	7	N	15	N	10	15
H511040R	<1.0	N	N	70	100	15	N	15	N	10	100
H511050R	<1.0	N	N	50	50	10	N	10	N	7	<10
H511060R	<1.0	N	N	20	50	20	N	30	N	20	50
H511070R	<1.0	N	N	20	100	30	N	30	N	20	500
H511080R	1.0	N	N	50	100	20	N	30	N	30	15
H511090R	<1.0	N	N	50	50	15	N	20	N	20	30
H511100R	N	N	N	15	50	15	N	20	N	20	<10
H511110R	N	N	N	N	20	10	N	7	N	7	<10
H511120R	N	N	N	5	30	15	N	10	N	10	<10
H511130R	N	N	N	100	50	15	N	10	N	10	<10
H511140R	N	N	N	7	20	5	N	5	N	7	<10
H511150R	1.0	N	N	300	100	20	N	20	N	15	<10
H511160R	1.0	N	N	200	150	50	N	30	N	50	30
H511170R	N	N	N	5	20	15	N	15	N	10	15
H511180R	N	N	N	15	20	7	N	15	N	15	100
H511190R	N	N	N	N	10	<5	N	<5	N	5	<10
H511200R	N	N	N	N	10	<5	N	<5	N	5	<10
H511210R	N	N	N	15	20	20	N	15	N	15	15
H511230R	<1.0	N	N	20	100	70	N	15	N	20	15
H511240R	N	N	N	5	20	50	N	10	N	10	30
H511250R	N	N	N	5	20	50	N	15	N	10	30
H511260R	<1.0	N	N	N	20	15	N	15	N	10	20
H511270R	<1.0	N	N	<5	20	15	N	15	N	10	<10
H511280R	<1.0	N	N	5	30	20	N	20	N	10	20
H511290R	<1.0	N	N	<5	30	20	N	20	N	10	30
H511300R	<1.0	N	N	20	50	20	N	30	N	10	20
H511310R	<1.0	N	N	7	20	70	N	10	N	10	10
H511320R	<1.0	N	N	5	30	20	N	15	N	10	10
H511330R	<1.0	N	N	N	30	20	N	15	N	10	15
H511340R	<1.0	N	N	10	30	30	N	15	N	20	10
H511350R	<1.0	N	N	7	50	20	N	15	N	15	15

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H51, 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
H510890R	N	N	N	<100	15	70	N	<200	50	N	22
H510900R	N	5	N	N	100	<50	N	N	500	N	22
H510910R	N	5	N	<100	100	<50	N	N	50	N	22
H510920R	N	<5	N	N	10	<50	N	N	10	N	22
H510930R	N	5	N	<100	150	<50	N	N	300	N	22
H510940R	N	<5	N	300	100	<50	N	N	200	N	22
H510950R	N	<5	N	N	15	<50	N	N	100	N	22
H510960R	N	N	N	N	20	50	N	N	100	N	39
H510970R	N	N	N	N	15	<50	N	N	100	N	39
H510980R	N	<5	N	N	30	<50	N	N	100	N	39
H510990R	N	N	N	N	30	<50	N	N	30	N	39
H511000R	N	N	N	N	15	<50	N	N	50	N	39
H511010R	N	N	N	N	30	<50	N	N	100	N	39
H511030R	N	N	N	N	20	50	N	N	50	N	39
H511040R	N	N	N	N	30	500	N	N	50	N	39
H511050R	N	<5	N	N	20	150	N	N	30	N	39
H511060R	N	N	N	200	100	50	N	500	100	N	39
H511070R	N	N	N	100	50	<50	N	3,000	150	N	39
H511080R	N	N	N	150	70	70	N	10,000	150	N	39
H511090R	N	N	N	N	30	<50	N	2,000	100	N	39
H511100R	N	N	N	N	20	70	N	500	50	N	39
H511110R	N	N	N	N	20	<50	N	<200,	30	N	39
H511120R	N	N	N	N	20	<50	N	1,000	50	N	39
H511130R	N	N	N	N	30	500	N	<200	30	N	39
H511140R	N	N	N	N	15	50	N	N	30	N	39
H511150R	N	N	N	N	30	700	N	300	100	N	39
H511160R	N	N	N	N	50	1,000	N	N	150	N	39
H511170R	N	N	N	N	15	<50	N	N	50	N	39
H511180R	N	N	N	N	20	150	N	N	70	N	39
H511190R	N	N	N	N	10	<50	N	N	N	N	39
H511200R	N	N	N	N	10	<50	N	N	N	N	39
H511210R	N	N	N	N	15	70	N	N	15	N	39
H511230R	N	N	N	N	30	<50	N	N	70	N	39
H511240R	N	N	N	N	30	50	N	N	50	N	39
H511250R	N	N	N	N	30	<50	N	N	50	N	39
H511260R	N	N	N	N	30	50	N	N	50	N	39
H511270R	N	N	N	N	50	<50	N	N	50	N	39
H511280R	N	N	N	N	50	<50	N	N	50	N	39
H511290R	N	N	N	N	50	<50	N	500	50	N	39
H511300R	N	N	N	N	50	200	N	N	50	N	39
H511310R	N	N	N	N	15	<50	N	N	30	N	39
H511320R	N	N	N	N	20	<50	N	N	30	N	39
H511330R	N	N	N	N	20	<50	N	N	50	N	39
H511340R	N	N	N	N	30	150	N	N	50	N	39
H511350R	N	N	N	N	30	150	N	N	50	N	39

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H51, 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
H511360R	1.00	.30	.15	.200	20	N	N	N	50	100
H511370R	1.00	.30	.10	.150	30	N	N	N	70	100
H511380R	.70	.20	.05	.100	20	N	N	N	50	100
H511390R	1.00	.30	.05	.100	20	N	N	N	50	100
H511400R	1.00	.30	.05	.200	30	N	N	N	70	100
H511410R	1.00	.10	.05	.050	50	N	N	N	50	30
H511420R	1.00	.10	.05	.100	70	N	N	N	50	100
H511430R	.70	.10	.05	.200	20	N	N	N	50	100
H511440R	1.00	.20	.10	.200	30	N	N	N	50	150
H511450R	1.00	.20	<.05	.200	20	N	N	N	70	100
H511460R	1.50	.20	<.05	.200	100	N	N	N	50	30
H511470R	1.00	.07	.05	.050	30	N	N	N	50	30
H511480R	.70	.10	.05	.050	20	N	N	N	70	20
H511490R	.50	.10	.05	.050	20	N	N	N	70	30
H511500R	.70	.10	.05	.070	20	N	N	N	50	30
H511510R	1.00	.30	.07	.300	30	N	N	N	70	100
H511520R	2.00	.30	.05	.300	30	N	N	N	70	100
H511530R	1.50	.30	<.05	.150	20	N	N	N	50	100
H511540R	1.00	.20	<.05	.100	20	N	N	N	50	100
H511550R	1.50	.50	.15	.300	20	N	N	N	70	30
H511560R	2.00	.50	.10	.300	30	N	N	N	70	100
H511570R	.30	.10	<.05	.020	10	N	N	N	50	100
H511580R	.30	.05	<.05	.020	10	N	N	N	50	50
H511590R	.07	.07	.05	.015	10	N	N	N	50	30
H511600R	.05	.05	.05	.010	10	N	N	N	30	30
H511610R	.30	.05	.05	.020	10	N	N	N	30	20
H511620R	.30	.05	.07	.020	10	N	N	N	30	50
H511630R	.30	.05	<.05	.010	20	N	N	N	30	50
H511640R	.30	.03	<.05	.010	10	N	N	N	30	50
H511650R	.30	.05	<.05	.005	10	N	N	N	30	50
H511660R	.30	.03	<.05	.007	10	N	N	N	30	50
H511670R	.30	.05	<.05	.015	20	N	N	N	20	20
H511680R	.30	.07	.05	.015	20	N	N	N	50	30
H511690R	.50	.05	.07	.020	20	N	N	N	50	20
H511700R	.30	.10	.05	.015	20	N	N	N	30	20
H511710R	.30	.30	.15	.070	20	N	N	N	50	50
H511720R	.70	.20	.05	.050	30	N	N	N	50	50
H511730R	.20	.10	<.05	.010	20	N	N	N	20	50
H511740R	.70	.20	.15	.100	20	N	N	N	50	50
H511750R	.50	.20	.05	.100	20	N	N	N	50	50
H511760R	.50	.20	.07	.100	20	N	N	N	50	50
H511770R	1.00	.20	.05	.100	20	N	N	N	50	30
H511780R	1.00	.20	.05	.100	20	N	N	N	50	50
H511790R	1.00	.30	.05	.100	20	N	N	N	50	50
H511800R	.30	.15	.07	.100	20	N	N	N	50	20

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H51, 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
H511360R	<1.0	N	N	<5	30	20	N	10	N	15	15
H511370R	<1.0	N	N	20	50	10	N	10	N	10	20
H511380R	<1.0	N	N	5	30	10	N	10	N	10	<10
H511390R	<1.0	N	N	20	50	100	N	15	N	10	10
H511400R	1.0	N	N	200	50	30	N	15	N	20	30
H511410R	<1.0	N	N	7	50	7	N	20	N	10	<10
H511420R	<1.0	N	N	10	100	10	N	30	N	15	15
H511430R	<1.0	N	N	<5	50	10	N	10	N	10	15
H511440R	<1.0	N	N	<5	70	15	N	15	N	10	10
H511450R	<1.0	N	N	10	70	7	N	15	N	10	<10
H511460R	<1.0	N	N	10	70	10	N	10	N	20	10
H511470R	<1.0	N	N	20	100	7	N	15	N	10	<10
H511480R	<1.0	N	N	10	100	7	N	20	N	10	10
H511490R	<1.0	N	N	<5	100	7	N	20	N	10	10
H511500R	<1.0	N	N	<5	50	10	N	15	N	10	10
H511510R	1.0	N	N	100	100	20	N	20	N	20	20
H511520R	<1.0	N	N	7	100	20	N	50	N	30	20
H511530R	<1.0	N	N	5	50	200	N	15	N	20	15
H511540R	<1.0	N	N	<5	50	50	N	15	N	15	10
H511550R	1.0	N	N	5	100	30	N	20	N	20	15
H511560R	1.0	N	N	10	100	50	N	20	N	30	20
H511570R	<1.0	N	N	N	20	20	N	<5	N	5	<10
H511580R	N	N	N	N	20	5	N	<5	N	5	<10
H511590R	N	N	N	N	20	<5	N	<5	N	5	<10
H511600R	N	N	N	N	20	<5	N	<5	N	5	15
H511610R	N	N	N	N	30	<5	N	<5	N	7	<10
H511620R	N	N	N	N	20	5	N	<5	N	5	<10
H511630R	N	N	N	N	30	7	N	5	N	5	<10
H511640R	N	N	N	N	30	5	N	7	N	5	<10
H511650R	N	N	N	N	30	5	N	5	N	5	<10
H511660R	N	N	N	5	20	<5	N	10	N	7	<10
H511670R	<1.0	N	N	5	20	5	N	10	N	5	10
H511680R	<1.0	N	N	N	20	<5	N	15	N	7	10
H511690R	<1.0	N	N	N	20	7	N	10	N	7	10
H511700R	<1.0	N	N	N	20	7	N	15	N	7	10
H511710R	<1.0	N	N	<5	20	5	N	10	N	5	<10
H511720R	<1.0	N	N	5	20	7	N	10	N	7	10
H511730R	<1.0	N	N	<5	20	<5	N	10	N	5	<10
H511740R	<1.0	N	N	15	20	500	N	10	N	30	<10
H511750R	<1.0	N	N	30	20	20	N	7	N	7	10
H511760R	<1.0	N	N	10	20	15	N	7	N	10	10
H511770R	<1.0	N	N	<5	20	20	N	15	N	15	15
H511780R	<1.0	N	N	10	20	20	N	10	N	10	15
H511790R	<1.0	N	N	7	20	20	N	15	N	7	15
H511800R	<1.0	N	N	7	20	7	N	15	N	7	<10

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H51, 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
H511360R	N	N	N	N	30	<50	N	N	50	N	39
H511370R	N	N	N	N	50	150	N	N	50	N	39
H511380R	N	N	N	N	20	50	N	N	50	N	39
H511390R	N	N	N	N	20	200	N	N	50	N	39
H511400R	N	N	N	N	50	200	N	N	50	N	39
H511410R	N	N	N	N	15	150	N	1,000	30	N	39
H511420R	N	N	N	N	10	200	N	300	100	N	39
H511430R	N	N	N	N	15	50	N	<200	50	N	39
H511440R	N	N	N	N	20	<50	N	500	100	N	39
H511450R	N	N	N	N	20	150	N	700	50	N	39
H511460R	N	N	N	N	20	50	N	500	30	N	39
H511470R	N	N	N	N	20	200	N	300	30	N	39
H511480R	N	N	N	N	20	150	N	300	30	N	39
H511490R	N	N	N	N	20	50	N	200	20	N	39
H511500R	N	N	N	N	20	<50	N	<200	30	N	39
H511510R	N	N	N	N	50	200	N	N	100	N	39
H511520R	N	N	N	N	50	50	N	N	150	N	39
H511530R	N	N	N	N	30	<50	N	N	100	N	39
H511540R	N	N	N	N	20	50	N	<200	30	N	39
H511550R	N	N	N	N	50	<50	N	N	150	N	39
H511560R	N	N	N	N	50	<50	N	<200	150	N	39
H511570R	N	N	N	N	15	<50	N	N	30	N	19
H511580R	N	N	N	N	15	<50	N	N	30	N	19
H511590R	N	N	N	N	10	50	N	N	20	N	19
H511600R	N	N	N	N	10	<50	N	N	10	N	19
H511610R	N	N	N	N	10	<50	N	N	50	N	19
H511620R	N	N	N	N	10	<50	N	N	30	N	19
H511630R	N	N	N	N	10	<50	N	N	50	N	19
H511640R	N	N	N	N	10	100	N	N	50	N	19
H511650R	N	N	N	N	10	<50	N	N	30	N	19
H511660R	N	N	N	N	10	<50	N	N	30	N	19
H511670R	N	N	N	N	10	50	N	N	200	N	19
H511680R	N	N	N	N	15	<50	N	N	20	N	19
H511690R	N	N	N	N	15	<50	N	N	30	N	19
H511700R	N	N	N	N	10	<50	N	N	15	N	19
H511710R	N	N	N	N	20	<50	N	N	30	N	19
H511720R	N	N	N	N	20	<50	N	N	50	N	19
H511730R	N	N	N	N	10	200	N	N	100	N	19
H511740R	N	N	30	N	20	150	N	N	50	N	19
H511750R	N	N	N	N	30	50	N	N	50	N	19
H511760R	N	N	N	N	50	<50	N	N	50	N	18
H511770R	N	N	N	N	50	150	N	N	50	N	18
H511780R	N	N	N	N	50	<50	N	N	50	N	18
H511790R	N	N	N	N	50	100	N	N	50	N	18
H511800R	N	N	N	N	50	100	N	N	15	N	18

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H51, 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
H511810R	1.00	.20	.05	.100	20	N	N	N	70	20
H511820R	1.00	.30	.07	.070	20	N	N	N	50	20
H511830R	1.50	.30	.05	.200	30	N	N	N	70	30
H511840R	1.00	.20	.07	.020	30	N	N	N	70	<20
H511850R	1.00	.20	.05	.020	30	N	N	N	50	<20
H511860R	.30	.03	.05	.002	20	N	N	N	50	<20
H511870R	.30	.05	<.05	.005	20	N	N	N	50	20
H511880R	.30	.05	<.05	.005	20	N	N	N	50	20
H511890R	.20	.05	.07	.005	15	N	N	N	30	20
H511900R	1.50	.03	<.05	.007	20	N	N	N	20	<20
H511920R	.50	.05	<.05	.010	20	N	N	N	50	20
H511930R	.05	.02	<.05	.003	15	N	N	N	50	30
H511940R	1.00	.05	<.05	.007	30	N	N	N	50	30
H511950R	.07	.03	<.05	.003	15	N	N	N	50	<20
H511960R	.07	.05	<.05	.005	15	N	N	N	50	<20
H511970R	.50	.05	.05	.020	20	N	N	N	50	20
H511980R	.50	.05	<.05	.020	20	N	N	N	50	<20
H511990R	.30	.05	<.05	.007	20	N	N	N	50	<20
H512000R	.20	.05	<.05	.005	20	N	N	N	50	<20
H512010R	.30	.07	<.05	.020	15	N	N	N	50	<20
H512020R	.50	.05	<.05	.020	15	N	N	N	50	<20
H512030R	.30	.05	<.05	.020	20	N	N	N	50	300
H512040R	.50	.10	.05	.100	15	N	N	N	50	50
H512050R	.50	.10	.10	.100	15	N	N	N	50	30
H512060R	.30	.05	.05	.020	15	N	N	N	50	20
H512070R	.50	.20	.05	.100	15	N	N	N	50	50
H512080R	1.00	.30	.05	.300	30	<.5	N	N	70	>5,000
H512090R	2.00	.30	.05	.200	20	N	N	N	100	50
H512100R	20.00	.50	.05	.300	200	1.0	300	N	150	100
H512110R	1.00	.20	.05	.100	20	N	N	N	50	20
H512120R	.70	.10	.05	.100	20	N	N	N	50	20
H512130R	1.00	.10	.05	.050	30	N	N	N	50	20
H512140R	1.00	.10	.05	.030	30	N	N	N	30	30
H512150R	.20	.02	.05	.007	15	N	N	N	20	20
H512160R	.07	.02	<.05	.005	15	N	N	N	20	20
H512170R	.07	.02	<.05	.005	20	N	N	N	20	30
H512180R	.07	.02	<.05	.005	15	N	N	N	20	30
H512190R	.07	.02	<.05	.005	15	N	N	N	20	30
H512200R	.07	.02	<.05	.002	20	N	N	N	20	30
H512210R	.07	.02	<.05	.005	20	N	N	N	20	20
H512220R	.07	.02	<.05	.005	20	N	N	N	20	30
H512230R	.07	.02	<.05	.003	20	N	N	N	20	30
H512240R	.20	5.00	7.00	.005	50	N	N	N	20	30
H512250R	2.00	.50	.70	.010	20	N	<200	N	50	30
H512260R	5.00	.15	.10	.020	30	N	300	N	70	50

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H51, 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
H511810R	<1.0	N	N	5	50	20	N	30	N	10	<10
H511820R	<1.0	N	N	15	30	20	N	20	N	10	<10
H511830R	1.0	N	N	20	50	30	N	30	N	15	15
H511840R	1.0	N	N	15	50	15	N	30	N	10	<10
H511850R	<1.0	N	N	20	50	20	N	20	N	15	<10
H511860R	<1.0	N	N	5	30	<5	N	20	N	7	<10
H511870R	<1.0	N	N	<5	20	5	N	10	N	5	10
H511880R	<1.0	N	N	N	30	<5	N	10	N	5	<10
H511890R	<1.0	N	N	N	20	<5	N	5	N	5	<10
H511900R	<1.0	N	N	N	20	7	N	10	N	7	<10
H511920R	<1.0	N	N	N	20	5	N	10	N	7	10
H511930R	<1.0	N	N	N	20	<5	N	5	N	5	10
H511940R	<1.0	N	N	N	50	10	N	20	N	10	10
H511950R	<1.0	N	N	N	20	<5	N	5	N	5	<10
H511960R	<1.0	N	N	N	30	5	N	5	N	5	<10
H511970R	<1.0	N	N	N	30	5	N	15	N	10	10
H511980R	<1.0	N	N	N	30	7	N	15	N	7	10
H511990R	<1.0	N	N	N	20	<5	N	10	N	5	10
H512000R	<1.0	N	N	N	20	<5	N	5	N	5	15
H512010R	<1.0	N	N	N	20	5	N	7	N	7	10
H512020R	<1.0	N	N	20	20	7	N	5	N	7	10
H512030R	<1.0	N	N	<5	20	5	N	10	N	5	10
H512040R	<1.0	N	N	15	20	5	N	10	N	10	10
H512050R	<1.0	N	N	N	20	7	N	15	N	10	10
H512060R	N	N	N	N	20	<5	N	10	N	10	10
H512070R	<1.0	N	N	15	20	7	N	10	N	7	<10
H512080R	1.0	N	N	7	100	100	N	30	N	30	20
H512090R	1.0	N	N	7	70	100	N	50	N	30	15
H512100R	2.0	N	N	20	150	200	N	1,000	N	100	100
H512110R	<1.0	N	N	N	20	7	N	20	N	10	<10
H512120R	<1.0	N	N	5	30	5	N	20	N	10	<10
H512130R	N	N	N	20	30	7	N	30	N	15	<10
H512140R	<1.0	N	N	5	50	7	N	30	N	15	<10
H512150R	N	N	N	N	20	<5	N	10	N	<5	<10
H512160R	N	N	N	N	20	<5	N	7	N	<5	<10
H512170R	N	N	N	N	20	<5	N	7	N	<5	<10
H512180R	N	N	N	N	15	<5	N	5	N	<5	<10
H512190R	N	N	N	N	20	<5	N	5	N	<5	<10
H512200R	N	N	N	N	20	<5	N	5	N	<5	<10
H512210R	N	N	N	10	20	<5	N	5	N	<5	<10
H512220R	N	N	N	N	20	<5	N	5	N	<5	<10
H512230R	N	N	N	N	20	<5	N	5	N	7	<10
H512240R	N	N	N	N	20	70	N	5	N	7	<10
H512250R	N	N	N	200	50	10	N	20	N	10	<10
H512260R	1.0	N	N	50	50	10	N	50	N	15	15

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H51, 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
H511810R	N	N	N	N	70	150	N	N	15	N	18
H511820R	N	N	N	N	50	50	N	N	30	N	18
H511830R	N	N	N	N	50	150	N	N	50	N	18
H511840R	N	N	N	N	20	150	N	N	10	N	18
H511850R	N	N	N	N	30	100	N	N	50	N	18
H511860R	N	N	N	N	<10	50	N	N	N	N	18
H511870R	N	N	N	N	<10	<50	N	N	N	N	18
H511880R	N	N	N	N	<10	<50	N	N	N	N	18
H511890R	N	N	N	N	10	<50	N	N	N	N	18
H511900R	N	N	N	N	10	<50	N	N	N	N	18
H511920R	N	N	N	N	20	<50	N	N	10	N	18
H511930R	N	N	N	N	<10	<50	N	N	<10	N	18
H511940R	N	N	N	N	10	<50	N	N	N	N	18
H511950R	N	N	N	N	<10	<50	N	N	N	N	18
H511960R	N	N	N	N	10	<50	N	N	N	N	18
H511970R	N	N	N	N	20	<50	N	N	N	N	18
H511980R	N	N	N	N	50	<50	N	N	N	N	18
H511990R	N	N	N	N	10	<50	N	N	N	N	18
H512000R	N	N	N	N	10	<50	N	N	N	N	18
H512010R	N	N	N	N	50	<50	N	N	N	N	18
H512020R	N	N	N	N	30	500	N	N	N	N	18
H512030R	N	N	N	N	10	<50	N	N	N	N	18
H512040R	N	N	N	N	50	<50	N	N	30	N	18
H512050R	N	N	N	N	50	<50	N	N	20	N	18
H512060R	N	N	N	N	50	<50	N	N	10	N	18
H512070R	N	N	N	N	100	150	N	N	30	N	18
H512080R	N	<5	N	100	300	<50	N	N	50	N	18
H512090R	N	<5	N	N	200	<50	N	N	30	N	18
H512100R	N	7	N	N	500	<50	N	N	100	N	18
H512110R	N	N	N	N	50	<50	N	N	20	N	18
H512120R	N	N	N	N	50	<50	N	N	30	N	18
H512130R	N	N	N	N	15	<50	N	N	20	N	18
H512140R	N	N	N	N	15	<50	N	N	20	N	18
H512150R	N	N	N	N	<10	50	N	N	20	N	17
H512160R	N	N	N	N	<10	<50	N	N	50	N	17
H512170R	N	N	N	N	<10	<50	N	N	50	N	17
H512180R	N	N	N	N	<10	<50	N	N	30	N	17
H512190R	N	N	N	N	<10	<50	N	N	30	N	17
H512200R	N	N	N	N	<10	<50	N	N	30	N	17
H512210R	N	N	N	N	<10	100	N	N	30	N	17
H512220R	N	N	N	N	<10	150	N	N	30	N	17
H512230R	N	N	N	N	<10	150	N	N	30	N	17
H512240R	N	N	N	N	10	100	N	N	20	N	16
H512250R	N	N	N	N	20	150	N	N	50	N	16
H512260R	N	N	N	N	20	100	N	N	30	N	16

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H52, 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	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
H520010R	5.00	.20	<.05	.300	20	N	N	N	100	200
H520020R	3.00	.10	<.05	.200	15	N	N	N	100	70
H520030R	.20	.03	<.05	.050	10	N	N	N	150	100
H520040R	.20	.02	<.05	.030	<10	N	N	N	100	20
H520050R	.10	.02	<.05	.015	<10	N	N	N	100	50
H520060R	3.00	.20	.05	.500	50	N	N	N	100	150
H520070R	.10	.02	<.05	.015	<10	N	N	N	100	70
H520080R	.15	.02	<.05	.020	10	N	N	N	100	70
H520090R	.10	.02	<.05	.010	10	N	N	N	100	20
H520100R	1.50	.10	<.05	.500	20	N	N	N	70	100
H520150R	.20	.05	.15	.030	5,000	N	N	N	70	100
H520170R	5.00	1.00	<.05	.500	50	N	N	N	200	500
H520200R	5.00	1.00	.50	.100	>5,000	N	N	N	100	300
H520210R	10.00	.50	.20	.070	50	N	N	N	100	100
H520220R	10.00	.30	.15	.050	50	N	N	N	100	100
H520230R	2.00	.50	.20	.050	30	N	N	N	70	100
H520240R	.20	.70	.70	.050	15	N	N	N	100	100
H520250R	.10	.10	.10	.030	1,000	N	N	N	100	200
H520260R	20.00	.20	.07	.050	50	N	N	N	100	150
H520270R	20.00	.20	.10	.030	>5,000	N	N	N	100	200
H520280R	1.00	.70	.50	.200	20	N	N	N	100	300
H520290R	.20	.20	.10	.100	10	N	N	N	100	100
H520300R	1.00	.10	.20	.050	500	N	N	N	100	150
H520310R	1.00	.70	.70	.150	30	N	N	N	150	200
H520320R	1.00	1.00	2.00	.100	20	N	N	N	100	200
H520330R	10.00	1.00	1.50	.100	1,000	N	N	N	100	300
H520340R	.20	1.00	.50	.150	15	N	N	N	100	150
H520350R	1.00	7.00	10.00	.150	100	N	<200	N	100	150
H520360R	1.50	.50	.20	.150	500	N	N	N	100	200
H520370R	1.00	.70	.50	.200	100	N	N	N	100	200
H520380R	5.00	1.00	.70	.500	20	N	N	N	150	500
H520390R	1.00	1.00	.70	.200	10	N	N	N	150	300
H520400R	1.00	.50	.30	.150	10	N	N	N	100	200
H520410R	1.00	.50	.50	.200	10	N	N	N	200	200
H520420R	1.50	.50	.30	.100	100	N	N	N	100	200
H520430R	2.00	.50	.15	.150	10	N	N	N	100	200
H520440R	2.00	.70	.20	.200	200	N	N	N	150	300
H520450R	2.00	.50	.15	.200	50	N	N	N	150	300
H520460R	2.00	.70	.20	.100	30	N	N	N	100	200
H520470R	2.00	7.00	15.00	.200	30	N	<200	N	200	200
H520480R	.20	.50	.50	.100	50	N	N	N	100	200
H520490R	3.00	.50	.30	.150	150	N	N	N	100	200
H520500R	.30	.70	.50	.150	15	N	N	N	100	200
H520510R	2.00	2.00	2.00	.300	20	N	N	N	100	300
H520520R	1.00	1.00	1.00	.200	15	N	N	N	100	300

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H52, 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
H520010R	<1.0	N	N	N	50	15	N	N	N	7	20
H520020R	<1.0	N	N	N	20	7	N	5	N	5	15
H520030R	N	N	N	N	10	<5	N	<5	N	<5	N
H520040R	N	N	N	N	10	7	N	N	N	7	N
H520050R	N	N	N	N	15	<5	N	<5	N	7	N
H520060R	1.0	N	N	5	30	15	N	5	N	15	20
H520070R	N	N	N	<5	<10	<5	N	N	N	7	N
H520080R	N	N	N	N	<10	<5	N	<5	N	7	N
H520090R	N	N	N	N	10	5	N	<5	N	7	N
H520100R	1.0	N	N	<5	20	10	150	N	N	10	15
H520150R	<1.0	N	N	10	10	10	N	<5	N	100	N
H520170R	2.0	N	N	20	100	100	50	50	N	100	100
H520200R	1.5	N	N	100	15	100	N	5	N	200	100
H520210R	1.5	N	N	7	10	70	N	15	N	30	100
H520220R	1.5	N	N	5	10	70	N	5	N	50	100
H520230R	1.0	N	N	<5	10	50	N	5	N	10	50
H520240R	1.0	N	N	<5	15	10	N	<5	N	10	<10
H520250R	<1.0	N	N	N	10	7	N	<5	N	100	N
H520260R	1.0	N	N	10	10	150	N	30	N	100	300
H520270R	1.0	N	N	70	10	100	N	20	N	500	200
H520280R	1.0	N	N	5	30	30	N	<5	N	30	10
H520290R	<1.0	N	N	N	15	<5	N	N	N	7	N
H520300R	1.0	N	N	5	10	15	N	<5	N	70	10
H520310R	1.5	N	N	<5	20	15	N	N	N	10	20
H520320R	1.0	N	N	N	10	10	N	<5	N	10	15
H520330R	1.0	N	N	7	15	150	N	5	N	70	100
H520340R	1.0	N	N	5	15	7	N	<5	N	10	10
H520350R	1.0	N	N	5	10	20	N	5	N	10	10
H520360R	1.5	N	N	5	20	20	N	<5	N	30	10
H520370R	1.0	N	N	5	20	20	N	N	N	20	<10
H520380R	1.5	N	N	10	50	50	N	<5	N	50	100
H520390R	1.0	N	N	<5	20	15	N	N	N	10	15
H520400R	1.0	N	N	<5	20	30	N	<5	N	15	30
H520410R	1.5	N	N	20	20	30	N	5	N	15	20
H520420R	1.0	N	N	5	20	30	N	<5	N	15	70
H520430R	1.5	N	N	<5	30	30	N	<5	N	20	20
H520440R	2.0	N	N	5	50	30	N	<5	N	20	30
H520450R	2.0	N	N	7	50	30	N	N	N	20	20
H520460R	1.0	N	N	<5	20	30	N	<5	N	15	50
H520470R	1.0	N	N	10	30	30	N	7	N	20	50
H520480R	<1.0	N	N	<5	15	30	N	<5	N	10	10
H520490R	1.0	N	N	7	20	50	N	5	N	20	15
H520500R	<1.0	N	N	<5	15	10	N	<5	N	7	N
H520510R	1.0	N	N	10	50	100	N	20	N	50	70
H520520R	1.0	N	N	5	20	20	N	10	N	30	15

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H52, 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
H520010R	N	5	N	N	200	<50	<10	N	500	N	31
H520020R	N	5	N	N	100	<50	N	N	300	N	31
H520030R	N	<5	N	N	20	<50	N	N	100	N	31
H520040R	N	N	N	N	15	<50	N	<200	150	N	31
H520050R	N	N	N	N	15	<50	N	<200	30	N	31
H520060R	N	7	N	N	70	<50	<10	<200	100	N	31
H520070R	N	<5	N	N	<10	<50	N	N	<10	N	31
H520080R	N	N	N	N	10	<50	N	N	<10	N	31
H520090R	N	N	N	N	10	<50	N	N	N	N	31
H520100R	N	7	15	N	50	<50	20	200	100	N	31
H520150R	N	<5	N	N	20	<50	15	200	20	N	31
H520170R	N	15	10	N	200	<50	15	<200	100	N	30
H520200R	N	7	N	N	30	<50	20	300	100	N	22
H520210R	N	N	N	N	30	<50	<10	300	30	N	22
H520220R	N	<5	N	N	30	<50	<10	200	50	N	22
H520230R	N	N	N	N	20	<50	10	<200	50	N	21
H520240R	N	N	N	N	20	<50	N	N	50	N	21
H520250R	N	N	N	N	15	<50	N	<200	20	N	21
H520260R	N	<5	N	N	20	<50	10	1,000	100	N	21
H520270R	N	5	N	N	20	<50	10	1,000	100	N	21
H520280R	N	5	N	N	50	<50	N	N	200	N	21
H520290R	N	<5	N	N	20	<50	N	N	50	N	21
H520300R	N	<5	N	N	20	<50	15	200	20	N	21
H520310R	N	5	N	N	50	<50	N	<200	70	N	21
H520320R	N	N	N	N	20	<50	N	N	100	N	21
H520330R	N	N	N	N	20	<50	10	300	50	N	21
H520340R	N	<5	N	N	50	<50	10	N	50	N	21
H520350R	N	<5	N	N	30	<50	N	N	50	N	21
H520360R	N	N	N	N	20	<50	10	N	50	N	21
H520370R	N	<5	N	<100	50	<50	<10	N	100	N	21
H520380R	N	5	N	150	50	<50	10	N	150	N	21
H520390R	N	N	N	<100	30	<50	N	N	100	N	21
H520400R	N	<5	N	<100	30	<50	N	N	50	N	21
H520410R	N	N	N	150	50	70	N	N	100	N	21
H520420R	N	N	N	<100	20	<50	N	N	50	N	21
H520430R	N	<5	N	<100	30	<50	N	N	100	N	21
H520440R	N	5	N	<100	50	<50	N	<200	100	N	21
H520450R	N	5	N	100	50	<50	N	<200	100	N	21
H520460R	N	N	N	100	30	<50	N	N	100	N	21
H520470R	N	5	N	100	50	<50	N	N	100	N	21
H520480R	N	N	N	500	10	<50	N	N	50	N	21
H520490R	N	<5	N	300	30	<50	N	N	100	N	21
H520500R	N	N	N	200	20	<50	N	N	100	N	21
H520510R	N	5	N	<100	50	<50	N	N	100	N	21
H520520R	N	5	N	<100	50	<50	N	N	100	N	21

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H52, 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
H520530R	.50	1.00	2.00	.100	15	N	N	N	100	50
H520540R	.20	.10	.70	.050	10	N	N	N	100	100
H520550R	.30	2.00	2.00	.050	15	N	N	N	100	100
H520560R	.50	.50	.50	.070	50	N	N	N	100	100
H520570R	2.00	1.00	1.00	.200	100	N	N	N	100	200
H520580R	1.00	.50	.30	.150	20	N	N	N	100	200
H520590R	2.00	.70	.50	.200	50	N	N	N	100	200
H520600R	1.50	.70	.50	.200	20	N	N	N	100	200
H520610R	1.50	1.00	.70	.200	30	N	N	N	100	300
H520620R	1.00	.50	.30	.150	50	N	N	N	100	200
H520630R	.50	.10	.05	.020	<10	N	N	N	15	20
H520640R	1.50	.50	.30	.200	20	N	N	N	100	300
H520650R	1.00	.20	.20	.100	50	N	N	N	100	100
H520660R	2.00	.70	1.00	.150	30	N	N	N	100	150
H520670R	1.00	.30	.30	.100	20	N	N	N	100	150
H520680R	5.00	.50	.07	.300	50	N	N	N	100	200
H520690R	5.00	.70	.30	.200	70	N	N	N	100	150
H520700R	5.00	1.00	.20	.300	70	N	N	N	100	300
H520710R	5.00	.15	.10	.100	100	N	N	N	50	200
H520720R	2.00	1.50	3.00	.200	20	N	N	N	100	200
H520730R	2.00	.50	.30	.150	30	N	N	N	50	200
H520740R	.50	1.50	1.50	.100	70	N	N	N	50	100
H520750R	.50	2.00	3.00	.100	20	N	N	N	50	100
H520760R	.50	1.50	2.00	.070	50	N	N	N	50	100
H520770R	.50	1.00	1.00	.100	10	N	N	N	50	100
H520780R	.70	1.00	2.00	.150	15	N	N	N	70	200
H520790R	.70	1.50	2.00	.150	20	N	N	N	70	200
H520800R	.50	1.00	1.50	.100	15	N	N	N	70	100
H520810R	.70	1.50	3.00	.150	20	N	N	N	100	150
H520820R	.70	1.50	2.00	.100	20	N	N	N	150	100
H520830R	.50	1.50	2.00	.100	15	N	N	N	100	100
H520840R	1.00	1.50	3.00	.200	15	N	N	N	100	150
H520850R	.30	.70	.70	.500	10	N	N	N	70	150
H520860R	.20	.10	.05	.100	<10	N	N	N	50	100
H520870R	.30	.15	.10	.050	<10	N	N	N	50	100
H520880R	.30	.15	.10	.100	<10	N	N	N	50	100
H520890R	.50	.10	.10	.050	10	N	N	N	50	150
H520900R	1.00	.70	.30	.100	20	N	N	N	50	150
H520910R	.20	.07	.05	.150	<10	N	N	N	50	100
H520920R	.20	.05	.05	.050	<10	N	N	N	50	100
H520930R	.20	.50	.50	.020	10	N	N	N	50	100
H520940R	1.00	.20	.05	.200	10	N	N	N	50	100
H520950R	1.00	.20	.10	.150	15	N	N	N	50	100
H520960R	.50	.15	.05	.070	<10	N	N	N	50	70
H520970R	.50	.20	.10	.050	15	N	N	N	30	100

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H52, 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
H520530R	N	N	N	N	15	7	N	<5	N	10	10
H520540R	N	N	N	N	10	5	N	<5	N	10	<10
H520550R	N	N	N	7	15	<5	N	5	N	10	<10
H520560R	1.5	N	N	20	15	5	N	15	N	20	<10
H520570R	1.0	N	N	500	50	30	N	30	N	70	50
H520580R	<1.0	N	N	200	20	20	N	15	N	15	15
H520590R	<1.0	N	N	200	50	20	N	30	N	15	15
H520600R	N	N	N	10	20	20	N	20	N	15	20
H520610R	N	N	N	7	20	20	N	7	N	20	20
H520620R	N	N	N	100	30	10	N	7	N	20	10
H520630R	N	N	N	300	20	<5	N	<5	N	10	<10
H520640R	<1.0	N	N	>2,000	50	30	N	20	N	30	10
H520650R	<1.0	N	N	700	50	20	N	20	N	20	15
H520660R	<1.0	N	N	>2,000	50	30	N	15	N	20	15
H520670R	N	N	N	200	20	15	N	15	N	15	10
H520680R	1.0	N	N	50	50	70	N	20	N	30	20
H520690R	<1.0	N	N	70	50	30	N	30	N	30	50
H520700R	1.0	N	N	300	50	70	N	20	N	30	150
H520710R	N	N	N	300	70	30	N	30	N	50	15
H520720R	<1.0	N	N	500	70	30	N	15	N	30	100
H520730R	1.0	N	N	200	50	20	N	30	N	10	20
H520740R	<1.0	N	N	300	20	20	N	70	N	15	200
H520750R	<1.0	N	N	5	10	20	N	20	N	15	50
H520760R	<1.0	N	N	<5	10	15	N	20	N	15	50
H520770R	<1.0	N	N	5	10	10	N	15	N	15	20
H520780R	1.0	N	N	5	20	20	N	200	N	20	50
H520790R	1.0	N	N	5	20	30	N	30	N	20	50
H520800R	1.0	N	N	<5	15	10	N	20	N	10	15
H520810R	1.5	N	N	<5	20	20	N	20	N	20	30
H520820R	1.0	N	N	<5	15	50	N	20	N	15	20
H520830R	<1.0	N	N	<5	15	15	N	20	N	10	10
H520840R	1.0	N	N	5	20	20	N	20	N	20	10
H520850R	1.0	N	N	5	20	10	N	10	N	10	10
H520860R	N	N	N	<5	15	5	N	<5	N	10	N
H520870R	<1.0	N	N	<5	15	5	N	<5	N	10	<10
H520880R	N	N	N	N	15	5	N	5	N	10	<10
H520890R	<1.0	N	N	5	20	5	N	5	N	15	<10
H520900R	<1.0	N	N	10	20	10	N	7	N	20	10
H520910R	<1.0	N	N	5	15	5	N	<5	N	10	N
H520920R	N	N	N	N	15	5	N	<5	N	7	<10
H520930R	N	N	N	N	15	10	N	<5	N	10	<10
H520940R	<1.0	N	N	<5	20	20	N	30	N	15	10
H520950R	<1.0	N	N	<5	20	20	N	20	N	15	10
H520960R	N	N	N	5	15	10	N	10	N	10	N
H520970R	N	N	N	5	15	10	N	15	N	10	<10

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H52, 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
H520530R	N	N	N	N	20	<50	N	N	50	N	21
H520540R	N	<5	N	<100	10	<50	N	N	50	N	21
H520550R	N	N	N	N	15	<50	N	N	10	N	21
H520560R	N	N	N	N	20	70	N	N	50	N	21
H520570R	N	<5	N	<100	50	1,500	N	1,000	100	N	21
H520580R	N	N	N	N	20	<50	N	N	70	N	21
H520590R	N	5	N	N	50	<50	N	700	70	N	21
H520600R	N	<5	N	<100	20	<50	N	N	70	N	21
H520610R	N	<5	N	<100	30	<50	N	N	150	N	21
H520620R	N	<5	N	<100	20	500	N	5,000	100	N	21
H520630R	N	N	N	<100	<10	100	N	N	N	N	21
H520640R	N	<5	N	<100	30	2,000	N	300	200	N	21
H520650R	N	N	N	<100	20	1,500	N	1,500	50	N	21
H520660R	N	<5	N	<100	50	5,000	N	300	70	N	21
H520670R	N	N	N	<100	15	1,000	N	<200	100	N	20
H520680R	N	5	N	<100	50	100	N	<200	100	N	20
H520690R	N	<5	N	<100	50	200	N	300	100	N	20
H520700R	N	5	N	<100	50	200	N	300	100	N	20
H520710R	N	N	N	<100	15	1,000	N	<200	70	N	20
H520720R	N	5	N	<100	50	5,000	N	200	100	N	20
H520730R	N	N	N	<100	20	1,000	N	N	70	N	20
H520740R	N	N	N	N	20	1,000	N	N	30	N	20
H520750R	N	N	N	N	30	<50	N	1,000	50	N	20
H520760R	N	N	N	N	20	<50	N	200	50	N	20
H520770R	N	N	N	N	20	<50	N	N	30	N	20
H520780R	N	<5	N	100	30	<50	N	N	100	N	20
H520790R	N	<5	N	<100	30	<50	N	N	50	N	20
H520800R	N	N	N	N	20	<50	N	N	100	N	20
H520810R	N	<5	N	100	30	<50	N	N	50	N	20
H520820R	N	N	N	N	30	<50	N	N	50	N	20
H520830R	N	N	N	<100	20	<50	N	N	30	N	20
H520840R	N	<5	N	<100	30	<50	N	N	50	N	20
H520850R	N	N	N	<100	15	<50	N	N	50	N	20
H520860R	N	N	N	<100	10	<50	N	N	50	N	20
H520870R	N	N	N	<100	15	<50	N	N	70	N	20
H520880R	N	N	N	<100	10	<50	N	N	50	N	20
H520890R	N	N	N	<100	20	<50	N	N	50	N	20
H520900R	N	N	N	<100	30	<50	N	N	50	N	20
H520910R	N	N	N	<100	10	<50	N	N	30	N	20
H520920R	N	N	N	<100	10	<50	N	N	30	N	20
H520930R	N	N	N	<100	10	<50	N	200	30	N	19
H520940R	N	N	N	<100	20	<50	N	N	50	N	19
H520950R	N	N	N	<100	20	<50	N	N	30	N	19
H520960R	N	N	N	N	20	<50	N	N	50	N	19
H520970R	N	N	N	N	10	<50	N	N	100	N	19

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H52, 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
H520980R	.70	.10	.05	.030	<10	N	N	N	30	30
H520990R	.50	.15	.05	.050	20	N	N	N	50	50
H521000R	.50	.15	.10	.070	20	N	N	N	70	100
H521010R	.50	.10	.05	.020	10	N	N	N	50	50
H521020R	.50	.20	.15	.050	10	N	N	N	50	100
H521030R	.20	.10	.05	.030	10	N	N	N	30	20
H521040R	.15	.05	.05	.015	<10	N	N	N	20	20
H521050R	.20	.10	.07	.030	<10	N	N	N	30	<20
H521060R	.70	.20	.10	.100	10	N	N	N	50	20
H521070R	.15	.07	.05	.020	<10	N	N	N	50	50
H521080R	.30	.10	.05	.050	<10	N	N	N	50	30
H521090R	.20	.50	.30	.050	<10	N	N	N	30	50
H521100R	<.05	.02	<.05	.010	<10	N	N	N	15	100
H521110R	.15	.05	.05	.020	<10	N	N	N	20	50
H521120R	1.00	.20	.20	.030	10	N	N	N	30	70
H521130R	.50	.50	.20	.050	<10	N	N	N	20	20
H521140R	1.00	.70	.50	.050	15	N	N	N	50	20
H521150R	.70	.20	.20	.050	10	N	N	N	50	100
H521160R	.50	.10	.07	.020	<10	N	N	N	50	50
H521170R	1.50	.20	.05	.100	15	N	N	N	30	50
H521180R	.50	.50	.50	.050	10	N	N	N	20	50
H521190R	.30	.50	.50	.030	<10	N	N	N	50	50
H521200R	.30	.50	.70	.050	10	N	N	N	50	70
H521210R	1.00	.30	.05	.200	50	N	N	N	70	50
H521220R	1.00	.10	.05	.002	<10	N	N	N	50	200
H521230R	.05	.07	.05	.005	<10	N	N	N	50	50
H521240R	.07	.07	.05	.005	<10	N	N	N	50	30
H521250R	<.05	.05	.05	<.002	<10	N	N	N	30	50
H521260R	.07	.20	.20	.020	<10	N	N	N	20	20
H521270R	.50	.20	.20	.010	<10	N	N	N	20	<20
H521280R	<.05	.05	.07	.003	<10	N	N	N	20	50
H521290R	.05	.10	.10	.007	<10	N	N	N	30	50
H521300R	.15	.10	.10	.005	<10	N	N	N	30	100
H521310R	.05	.03	<.05	.002	<10	N	N	N	30	150
H521320R	.10	.05	<.05	.005	<10	N	N	N	30	100
H521330R	.15	.15	.15	.020	<10	N	N	N	20	50
H521340R	.20	.10	.05	.050	<10	N	N	N	20	30
H521350R	2.00	.15	.07	.020	<10	N	N	N	30	50
H521360R	.20	.05	<.05	.015	<10	N	N	N	30	30
H521370R	1.00	.20	.20	.030	<10	N	N	N	20	30
H521380R	1.00	.15	.10	.050	<10	N	N	N	30	50
H521390R	5.00	.30	<.05	.300	20	<.5	N	N	50	150
H521400R	1.00	.10	.05	.100	20	N	N	N	50	100
H521410R	.20	.10	.07	.030	<10	N	N	N	70	100
H521420R	.50	.10	.05	.050	<10	N	N	N	50	20

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H52, 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
H520980R	N	N	N	N	15	10	N	<5	N	10	100
H520990R	<1.0	N	N	N	15	5	N	7	N	10	N
H521000R	<1.0	N	N	<5	20	15	N	10	N	10	N
H521010R	<1.0	N	N	N	10	5	N	20	N	10	N
H521020R	<1.0	N	N	N	10	5	N	10	N	7	N
H521030R	N	N	N	N	15	<5	N	10	N	7	N
H521040R	N	N	N	N	10	<5	N	5	N	7	N
H521050R	N	N	N	N	10	<5	N	5	N	7	N
H521060R	N	N	N	N	15	15	N	7	N	10	N
H521070R	N	N	N	N	10	5	N	<5	N	7	N
H521080R	N	N	N	<5	10	10	N	5	N	10	N
H521090R	<1.0	N	N	<5	10	5	N	7	N	7	N
H521100R	<1.0	N	N	N	10	<5	N	<5	N	5	N
H521110R	N	N	N	N	10	<5	N	5	N	7	N
H521120R	N	N	N	<5	10	20	N	15	N	15	N
H521130R	N	N	N	<5	<10	20	N	20	N	10	N
H521140R	<1.0	N	N	N	10	20	N	20	N	10	N
H521150R	<1.0	N	N	200	15	20	N	20	N	15	N
H521160R	N	N	N	<5	10	15	N	10	N	10	N
H521170R	<1.0	N	N	5	15	20	N	20	N	15	15
H521180R	N	N	N	N	15	5	N	5	N	7	N
H521190R	1.0	N	N	N	15	5	N	<5	N	10	N
H521200R	<1.0	N	N	N	15	5	N	<5	N	10	N
H521210R	1.0	N	N	7	20	20	N	5	N	15	20
H521220R	<1.0	N	N	N	15	15	N	<5	N	5	N
H521230R	N	N	N	N	15	5	N	N	N	7	N
H521240R	N	N	N	<5	15	<5	N	N	N	7	N
H521250R	N	N	N	N	15	<5	N	N	N	5	N
H521260R	N	N	N	N	10	5	N	N	N	7	N
H521270R	N	N	N	<5	10	10	N	<5	N	7	N
H521280R	N	N	N	N	15	<5	N	<5	N	5	N
H521290R	N	N	N	N	15	5	N	N	N	7	N
H521300R	N	N	N	N	15	7	N	<5	N	7	N
H521310R	N	N	N	N	15	7	N	N	N	7	N
H521320R	N	N	N	N	10	7	N	N	N	7	N
H521330R	N	N	N	N	10	10	N	N	N	7	N
H521340R	N	N	N	N	15	15	N	5	N	10	N
H521350R	N	N	N	<5	15	20	N	10	N	15	30
H521360R	N	N	N	<5	10	5	N	30	N	10	N
H521370R	N	N	N	7	15	70	N	300	N	20	20
H521380R	<1.0	N	N	15	15	100	N	1,500	N	50	20
H521390R	1.0	N	N	20	50	100	N	1,000	N	100	100
H521400R	<1.0	N	N	<5	50	20	N	150	N	15	<10
H521410R	<1.0	N	N	<5	20	5	N	20	N	7	<10
H521420R	N	N	N	<5	15	7	N	15	N	10	15

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H52, 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
H520980R	N	N	N	N	<10	<50	N	N	50	N	19
H520990R	N	N	N	N	20	<50	N	N	30	N	19
H521000R	N	N	N	N	<10	<50	N	N	50	N	19
H521010R	N	N	N	N	10	<50	N	N	50	N	19
H521020R	N	N	N	N	10	<50	N	N	100	N	19
H521030R	N	N	N	N	<10	<50	N	N	30	N	19
H521040R	N	N	N	N	10	<50	N	N	20	N	19
H521050R	N	N	N	N	20	<50	N	N	15	N	19
H521060R	N	N	N	N	<10	<50	N	N	30	N	19
H521070R	N	N	N	N	10	<50	N	N	15	N	19
H521080R	N	N	N	N	20	<50	N	N	20	N	19
H521090R	N	N	N	N	<10	<50	N	N	50	N	19
H521100R	N	N	N	N	<10	<50	N	N	20	N	19
H521110R	N	N	N	N	10	<50	N	N	50	N	19
H521120R	N	N	N	N	<10	<50	N	N	50	N	19
H521130R	N	N	N	N	10	<50	N	N	30	N	19
H521140R	N	N	N	N	10	<50	N	N	50	N	19
H521150R	N	N	N	200	<10	<50	N	N	70	N	18
H521160R	N	N	N	N	<10	<50	N	N	50	N	18
H521170R	N	N	N	N	20	<50	N	N	50	N	18
H521180R	N	N	N	N	10	<50	N	N	50	N	18
H521190R	N	N	N	N	15	<50	N	N,	20	N	18
H521200R	N	N	N	N	15	<50	N	N	30	N	18
H521210R	N	N	N	N	30	<50	N	<200	30	N	18
H521220R	N	N	N	N	<10	<50	N	N	<10	N	18
H521230R	N	N	N	N	<10	<50	N	N	15	N	18
H521240R	N	N	N	N	<10	<50	N	N	15	N	18
H521250R	N	N	N	N	<10	<50	N	N	15	N	18
H521260R	N	N	N	N	<10	<50	N	N	N	N	18
H521270R	N	N	N	N	<10	<50	N	N	15	N	18
H521280R	N	N	N	N	<10	<50	N	N	15	N	18
H521290R	N	N	N	N	<10	<50	N	N	30	N	18
H521300R	N	N	N	N	<10	<50	N	N	<10	N	18
H521310R	N	N	N	N	<10	<50	N	N	<10	N	18
H521320R	N	N	N	N	10	<50	N	N	<10	N	18
H521330R	N	N	N	N	20	<50	N	N	N	N	18
H521340R	N	N	N	N	50	<50	N	N	10	N	18
H521350R	N	N	N	N	30	<50	N	N	10	N	18
H521360R	N	N	N	N	10	<50	N	N	10	N	18
H521370R	N	N	N	N	20	<50	N	N	10	N	18
H521380R	N	N	N	N	50	<50	N	N	15	N	18
H521390R	N	<5	N	N	100	<50	N	N	50	N	18
H521400R	N	N	N	N	20	<50	N	N	20	N	18
H521410R	N	N	N	100	10	<50	N	N	10	N	18
H521420R	N	N	N	N	15	<50	N	N	<10	N	18

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H52, 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
H521430R	.10	.02	.05	.015	<10	N	N	N	50	50
H521440R	1.50	.30	.05	.150	10	N	N	N	10	100
H521450R	.70	.20	.05	.100	<10	N	N	N	50	150
H521460R	5.00	.70	.20	.700	50	N	N	N	100	500
H521470R	.50	.10	.05	.030	10	N	N	N	50	100
H521480R	.50	.15	.05	.050	10	N	N	N	50	30
H521490R	.50	.15	.05	.050	15	N	N	N	50	50
H521500R	.10	.05	<.05	.020	10	N	N	N	20	<20
H521510R	.15	.05	<.05	.030	15	N	N	N	20	20
H521520R	.07	.05	<.05	.020	15	N	N	N	20	50
H521530R	<.05	.02	<.05	.005	10	N	N	N	15	<20
H521540R	.15	.05	<.05	.020	15	N	N	N	20	N
H521550R	.50	.10	<.05	.050	10	N	N	N	50	30
H521560R	.30	.10	.15	.020	15	N	N	N	50	<20
H521570R	5.00	.30	.10	.100	15	N	N	N	100	50
H521580R	3.00	.05	.05	.015	10	N	N	N	30	<20
H521590R	.50	.10	.15	.015	10	N	N	N	30	20
H521600R	.50	.10	.15	.010	<10	N	N	N	30	20
H521610R	.30	.05	.20	.005	<10	N	N	N	30	20
H521620R	.30	.03	.10	.002	10	N	N	N	30	20
H521630R	1.00	.07	.10	.020	<10	N	N	N	30	<20
H521640R	1.00	.10	.10	.030	<10	N	N	N	50	20
H521650R	5.00	1.00	.07	.500	100	N	N	N	200	100
H521660R	5.00	.10	.05	.050	50	N	N	N	50	50
H521670R	3.00	.20	.50	.100	50	N	N	N	70	70
H521680R	5.00	.70	.05	.200	50	<.5	N	N	200	100
H521690R	10.00	.20	<.05	.070	30	1.0	200	N	100	50
H521700R	5.00	1.00	.05	.200	20	.5	<200	N	150	100
H521710R	15.00	.50	.05	.100	20	N	200	N	150	50
H521720R	2.00	.70	.05	.200	50	<.5	N	N	150	100
H521730R	7.00	.50	.05	.100	20	.7	200	N	150	100
H521740R	10.00	1.00	.07	.500	100	.5	N	N	200	100
H521750R	10.00	.30	.07	.150	50	N	<200	N	100	100
H521760R	2.00	.05	.05	.020	<10	<.5	N	N	50	50
H521770R	7.00	.07	<.05	.030	200	.5	<200	N	100	20
H521780R	10.00	.20	.05	.050	30	.7	300	N	70	20
H521790R	10.00	.20	<.05	.050	20	1.0	300	N	100	30
H521800R	20.00	.07	<.05	.030	50	.7	200	N	50	<20
H521810R	15.00	.15	<.05	.050	30	1.0	300	N	100	200
H521820R	15.00	.15	.05	.050	50	1.0	200	N	50	<20
H521830R	20.00	.15	.05	.070	100	1.5	500	N	100	20
H521840R	20.00	.20	.05	.070	150	.5	500	N	100	<20
H521850R	20.00	.15	.05	.030	100	.5	300	N	100	<20
H521860R	20.00	.15	.07	.030	100	<.5	700	N	100	<20
H521870R	.50	.10	.07	.020	10	N	N	N	70	<20
H521880R	1.00	.20	.10	.050	15	N	N	N	100	20

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H52, 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
H521430R	N	N	N	N	10	5	N	20	N	5	N
H521440R	1.0	N	N	7	30	70	N	100	N	20	20
H521450R	<1.0	N	<20	5	15	20	N	200	N	10	20
H521460R	1.0	N	N	10	100	50	N	150	N	70	50
H521470R	<1.0	N	N	<5	15	10	N	20	N	10	10
H521480R	1.0	N	N	<5	20	20	N	30	N	10	<10
H521490R	1.0	N	N	<5	20	15	N	20	N	10	100
H521500R	N	N	N	N	10	<5	N	15	N	7	N
H521510R	N	N	N	N	15	<5	N	10	N	10	N
H521520R	<1.0	N	N	N	10	<5	N	<5	N	7	N
H521530R	<1.0	N	N	N	10	<5	N	N	N	5	N
H521540R	<1.0	N	N	N	<10	<5	N	7	N	7	N
H521550R	<1.0	N	N	N	<10	7	N	30	N	10	N
H521560R	<1.0	N	N	N	<10	7	N	20	N	10	N
H521570R	1.0	N	N	10	<10	50	N	30	N	30	100
H521580R	<1.0	N	N	5	<10	30	N	30	N	15	50
H521590R	<1.0	N	N	<5	10	5	N	10	N	20	N
H521600R	<1.0	N	N	N	10	10	N	5	N	10	N
H521610R	N	N	N	N	10	5	N	10	N	7	N
H521620R	N	N	N	<5	15	10	N	5	N	7	<10
H521630R	N	N	N	N	10	7	N	5	N	7	<10
H521640R	1.0	N	N	<5	10	15	N	50	N	15	<10
H521650R	2.0	N	N	7	150	100	N	70	N	70	15
H521660R	<1.0	N	N	<5	50	100	N	50	N	20	<10
H521670R	1.0	N	N	7	70	100	N	50	N	70	50
H521680R	2.0	N	N	10	100	500	N	200	N	100	70
H521690R	1.0	N	N	10	50	70	N	50	N	100	3,000
H521700R	1.5	N	N	15	50	70	N	300	N	100	50
H521710R	2.0	N	N	10	15	500	N	50	N	70	70
H521720R	1.5	N	N	15	100	50	N	150	N	50	20
H521730R	1.5	N	N	15	20	50	N	150	N	70	50
H521740R	2.0	N	N	20	100	70	N	700	N	100	100
H521750R	1.5	N	N	10	20	100	N	300	N	300	50
H521760R	<1.0	N	N	N	10	20	N	15	N	10	10
H521770R	N	N	N	20	20	70	N	30	N	50	300
H521780R	<1.0	N	N	15	50	100	N	50	N	100	1,000
H521790R	1.0	N	N	10	20	70	N	50	N	70	1,000
H521800R	N	N	N	30	50	70	N	50	N	100	1,000
H521810R	<1.0	N	N	7	50	70	N	50	N	70	150
H521820R	1.0	N	N	7	50	70	N	70	N	70	50
H521830R	1.0	N	N	20	100	700	N	100	N	100	150
H521840R	1.5	N	N	30	150	1,000	N	100	N	150	150
H521850R	1.0	N	N	50	150	700	N	100	N	100	50
H521860R	1.5	N	N	30	150	1,000	N	100	N	100	150
H521870R	1.0	N	N	<5	<10	10	N	7	N	7	N
H521880R	<1.0	N	N	N	20	20	N	50	N	70	10

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H52, 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
H521430R	N	N	N	N	<10	<50	N	N	<10	N	18
H521440R	N	<5	N	N	50	<50	N	N	50	N	18
H521450R	N	<5	N	N	15	<50	N	500	30	N	18
H521460R	N	[illegible]	N	N	50	<50	N	N	300	N	18
H521470R	N	N	N	N	<10	<50	N	N	30	N	18
H521480R	N	N	N	N	20	<50	N	N	20	N	18
H521490R	N	N	N	N	15	<50	N	N	30	N	18
H521500R	N	N	N	N	<10	<50	N	N	20	N	18
H521510R	N	N	N	N	<10	<50	N	N	20	N	17
H521520R	N	N	N	N	<10	<50	N	N	100	N	17
H521530R	N	N	N	N	<10	<50	N	N	30	N	17
H521540R	N	N	N	N	<10	<50	N	N	100	N	17
H521550R	N	N	N	N	10	<50	N	N	70	N	16
H521560R	N	N	N	N	<10	<50	N	N	<10	N	16
H521570R	N	N	N	N	20	<50	N	N	50	N	16
H521580R	N	N	N	N	10	<50	N	700	N	N	16
H521590R	N	N	N	N	<10	<50	N	N	N	N	16
H521600R	N	N	N	N	<10	<50	N	N	N	N	16
H521610R	N	N	N	N	<10	<50	N	N	N	N	16
H521620R	N	N	N	N	<10	<50	N	N	N	N	16
H521630R	N	N	N	N	10	<50	N	N	N	N	16
H521640R	N	N	N	N	20	<50	N	N,	10	N	16
H521650R	N	5	N	N	150	<50	N	N	100	N	16
H521660R	N	N	N	N	30	<50	N	<200	<10	N	16
H521670R	N	<5	N	N	70	<50	N	N	50	N	16
H521680R	N	5	N	N	200	<50	N	N	70	N	16
H521690R	N	<5	N	N	50	<50	N	<200	30	N	16
H521700R	N	5	N	N	150	<50	N	N	50	N	16
H521710R	N	5	N	N	70	<50	N	200	30	N	16
H521720R	N	5	N	N	100	<50	N	N	50	N	16
H521730R	N	<5	N	N	50	<50	N	N	30	N	16
H521740R	N	7	N	N	200	<50	N	N	10	N	16
H521750R	N	N	N	N	100	<50	N	N	70	N	16
H521760R	N	N	N	N	10	<50	N	N	<10	N	16
H521770R	N	N	N	N	20	<50	N	N	20	N	16
H521780R	N	<5	N	N	30	<50	N	N	30	N	16
H521790R	N	<5	N	N	30	<50	N	N	30	N	16
H521800R	N	N	N	N	20	100	N	N	15	N	16
H521810R	N	<5	N	N	30	50	N	300	70	N	16
H521820R	N	N	N	N	30	<50	N	N	15	N	16
H521830R	N	<5	N	N	30	50	N	N	<10	N	16
H521840R	N	N	N	N	50	100	N	N	50	N	16
H521850R	N	N	N	N	50	150	N	N	<10	N	16
H521860R	N	N	N	N	50	100	N	<200	<10	N	16
H521870R	N	N	N	N	10	<50	N	N	15	N	16
H521880R	N	N	N	N	50	<50	N	N	15	N	16

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
H530010R	1.00	.10	N	.070	50	N	N	N	50	50
H530020R	.30	.02	<.05	.050	10	N	N	N	70	30
H530030R	.70	.05	<.05	.070	200	N	N	N	100	50
H530040R	2.00	.20	<.05	.150	700	N	N	N	70	30
H530050R	3.00	.20	<.05	.150	1,500	N	N	N	50	70
H530060R	.70	.10	.15	.050	150	N	N	N	100	20
H530070R	.05	<.02	.70	.005	20	N	N	N	70	N
H530080R	.05	.02	2.00	.007	15	N	N	N	150	20
H530090R	<.05	<.02	.70	.003	30	N	N	N	70	<20
H530100R	<.05	<.02	.70	.002	10	N	N	N	50	50
H530110R	<.05	<.02	1.50	<.002	<10	N	N	N	50	N
H530120R	<.05	<.02	2.00	.002	10	N	N	N	30	N
H530130R	<.05	<.02	2.00	.003	15	N	N	N	70	N
H530140R	<.05	.02	3.00	.002	20	N	N	N	50	N
H530150R	<.05	.02	2.00	.007	10	N	N	N	50	N
H530160R	<.05	<.02	1.00	.003	<10	N	N	N	100	<20
H530170R	<.05	<.02	.70	.002	N	N	N	N	100	N
H530180R	<.05	<.02	1.50	<.002	N	N	N	N	100	N
H530190R	<.05	<.02	.70	<.002	N	N	N	N	100	N
H530200R	<.05	<.02	.70	.003	<10	N	N	N	100	<20
H530210R	<.05	<.02	.50	.005	<10	N	N	N	150	<20
H530220R	<.05	<.02	.50	.007	<10	N	N	N	150	50
H530230R	<.05	<.02	.20	.005	N	N	N	N	70	20
H530240R	.05	.03	1.00	.007	<10	N	N	N	70	30
H530250R	.05	.07	.70	.020	10	N	N	N	50	20
H530260R	<.05	.05	.50	.010	10	N	N	N	50	<20
H530270R	.15	.15	1.50	.030	20	N	N	N	70	30
H530280R	.10	.15	1.00	.020	30	N	N	N	50	20
H530290R	.05	.05	1.00	.015	20	N	N	N	30	20
H530300R	.10	.15	2.00	.030	100	N	N	N	50	30
H530310R	.10	.10	1.50	.050	100	N	N	N	70	50
H530320R	.20	.20	5.00	.030	150	N	N	N	50	20
H530330R	1.00	.10	.50	.030	15	N	N	N	30	<20
H530340R	2.00	.30	.70	.100	2,000	N	N	N	70	300
H530350R	2.00	1.00	.20	.700	70	N	N	N	150	50
H530360R	2.00	1.00	.20	.500	50	N	N	N	150	70
H530370R	3.00	1.50	.15	.300	150	N	N	N	200	150
H530380R	2.00	1.00	.10	.300	150	N	N	N	150	100
H530390R	2.00	.70	.05	.300	70	N	N	N	150	150
H530400R	5.00	.70	1.50	.100	50	N	N	N	50	100
H530410R	1.00	.20	.15	.070	<10	N	N	N	50	70
H530420R	2.00	.30	.10	.070	10	N	N	N	50	70
H530430R	1.00	.15	<.05	.070	<10	N	N	N	30	30
H530440R	.50	.70	1.00	.050	15	N	N	N	100	20
H530450R	.70	.50	.30	.150	<10	N	N	N	150	100

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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
H530010R	N	N	N	N	10	<5	N	N	N	15	N
H530020R	N	N	N	N	N	N	N	N	N	<5	N
H530030R	N	N	N	5	10	<5	N	N	N	10	N
H530040R	1.0	N	N	15	20	5	20	N	N	30	<10
H530050R	1.5	N	N	15	30	5	50	N	N	30	N
H530060R	<1.0	N	N	N	10	<5	N	N	N	5	N
H530070R	N	N	N	N	N	N	N	N	N	<5	N
H530080R	N	N	N	N	N	N	N	N	N	<5	N
H530090R	N	N	N	5	N	N	N	N	N	<5	N
H530100R	N	N	N	N	N	N	N	N	N	N	N
H530110R	N	N	N	N	N	<5	N	N	N	N	N
H530120R	N	N	N	N	N	N	N	N	N	N	N
H530130R	N	N	N	N	N	N	N	N	N	N	N
H530140R	N	N	N	N	N	N	N	N	N	<5	N
H530150R	N	N	N	N	N	N	N	N	N	<5	N
H530160R	N	N	N	N	N	N	N	N	N	N	N
H530170R	N	N	N	N	N	N	N	N	N	N	N
H530180R	N	N	N	N	N	N	N	N	N	N	N
H530190R	N	N	N	N	N	N	N	N	N	N	N
H530200R	N	N	N	N	N	N	N	N	N	<5	N
H530210R	N	N	N	N	N	N	N	N	N	<5	N
H530220R	N	N	N	N	N	N	N	N	N	<5	N
H530230R	N	N	N	N	N	N	N	N	N	<5	N
H530240R	N	N	N	N	<10	N	N	N	<20	7	N
H530250R	N	N	N	N	N	N	N	N	N	7	N
H530260R	N	N	N	N	N	N	N	N	N	5	N
H530270R	N	N	N	5	<10	<5	N	N	N	15	N
H530280R	N	N	N	<5	<10	N	N	N	N	10	N
H530290R	N	N	N	N	N	N	N	N	N	5	N
H530300R	N	N	N	N	<10	<5	N	N	N	10	N
H530310R	N	N	N	N	<10	<5	N	N	N	15	N
H530320R	N	N	N	7	<10	5	N	N	N	100	N
H530330R	N	N	N	5	N	<5	N	N	N	30	N
H530340R	<1.0	N	N	20	<10	10	N	<5	N	150	N
H530350R	2.0	N	N	10	70	50	N	N	N	70	20
H530360R	1.5	N	N	15	70	20	<20	N	N	100	20
H530370R	3.0	N	N	20	100	30	30	10	N	50	50
H530380R	2.0	N	N	15	50	30	<20	10	N	50	30
H530390R	3.0	N	N	15	70	20	20	20	N	50	70
H530400R	<1.0	N	N	5	<10	15	N	15	N	20	30
H530410R	<1.0	N	N	N	N	5	N	5	N	10	N
H530420R	1.0	N	N	<5	<10	10	N	5	N	15	N
H530430R	<1.0	N	N	5	N	7	N	15	N	15	N
H530440R	N	N	N	N	N	<5	N	N	N	10	N
H530450R	1.0	N	N	<5	<10	5	N	<5	N	15	N

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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
H530010R	N	<5	N	N	30	<50	N	N	30	N	31
H530020R	N	N	N	N	15	<50	N	N	10	N	31
H530030R	N	<5	N	N	20	<50	10	N	20	N	31
H530040R	N	7	N	N	70	<50	20	<200	30	N	31
H530050R	N	7	N	N	70	<50	30	<200	50	N	31
H530060R	N	<5	N	N	20	<50	15	N	20	N	31
H530070R	N	N	N	N	N	<50	N	N	N	N	31
H530080R	N	N	N	N	N	<50	N	N	N	N	31
H530090R	N	N	N	N	N	<50	N	N	N	N	31
H530100R	N	N	N	N	N	<50	N	N	N	N	31
H530110R	N	N	N	N	N	<50	N	N	N	N	31
H530120R	N	N	N	N	N	<50	N	N	N	N	31
H530130R	N	N	N	N	N	<50	N	N	N	N	31
H530140R	N	N	N	N	N	<50	N	N	N	N	31
H530150R	N	N	N	N	N	<50	N	N	N	N	31
H530160R	N	N	N	N	N	<50	N	N	N	N	31
H530170R	N	N	N	N	N	<50	N	N	N	N	31
H530180R	N	N	N	N	N	<50	N	N	N	N	31
H530190R	N	N	N	N	N	<50	N	N	N	N	31
H530200R	N	N	N	N	N	<50	N	N	N	N	31
H530210R	N	N	N	N	N	<50	N	N	N	N	31
H530220R	N	N	N	N	N	<50	N	N	N	N	31
H530230R	N	N	N	N	N	<50	N	N	N	N	31
H530240R	N	N	N	N	<10	<50	N	<200	N	N	31
H530250R	N	N	N	N	10	<50	N	N	N	N	31
H530260R	N	N	N	N	<10	<50	N	N	N	N	31
H530270R	N	N	N	N	20	<50	N	N	15	N	31
H530280R	N	N	N	N	10	<50	N	N	N	N	31
H530290R	N	N	N	N	10	<50	N	N	N	N	31
H530300R	N	N	N	N	15	<50	N	<200	10	N	31
H530310R	N	N	N	N	20	<50	N	N	15	N	31
H530320R	N	<5	N	N	15	<50	N	N	10	N	31
H530330R	N	N	N	N	10	<50	N	N	10	N	31
H530340R	N	5	N	N	50	<50	N	<200	30	N	31
H530350R	N	7	N	N	150	<50	10	N	100	N	31
H530360R	N	5	N	N	100	<50	15	<200	150	N	31
H530370R	N	15	N	N	200	<50	20	<200	100	N	31
H530380R	N	10	N	N	150	<50	15	<200	70	N	30
H530390R	N	15	N	N	100	<50	15	N	70	N	30
H530400R	N	N	N	N	20	<50	N	N	50	N	40
H530410R	N	N	N	N	10	<50	N	N	30	N	40
H530420R	N	N	N	N	20	<50	N	N	50	N	40
H530430R	N	N	N	N	30	<50	N	N	20	N	40
H530440R	N	N	N	N	N	<50	N	N	10	N	40
H530450R	N	N	N	N	20	<50	N	N	50	N	40

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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
H530460R	1.00	.70	3.00	.200	20	N	N	N	100	70
H530470R	.20	.30	.30	.050	15	N	N	N	15	70
H530480R	.70	1.00	1.00	.300	30	N	N	N	150	150
H530490R	1.00	1.00	1.00	.200	30	N	N	N	70	100
H530500R	.05	.02	.10	.007	N	N	N	N	10	<20
H530510R	.70	.20	<.05	.150	<10	N	N	N	100	100
H530520R	1.00	.50	.20	.500	10	N	N	N	200	100
H530530R	3.00	1.00	.30	.300	15	N	N	N	150	150
H530540R	.70	.50	.15	.300	10	N	N	N	100	150
H530550R	2.00	.70	.20	.200	10	N	N	N	150	70
H530560R	5.00	1.00	.15	.500	15	N	N	N	200	100
H530570R	.50	.20	.20	.070	<10	N	N	N	30	50
H530580R	.70	.15	.15	.050	N	N	N	N	50	50
H530590R	1.00	.70	<.05	.300	15	N	N	N	150	150
H530600R	1.00	.30	.20	.070	N	N	N	N	50	70
H530610R	1.00	.20	.05	.050	N	N	N	N	70	70
H530620R	.10	.50	.70	.030	N	N	N	N	50	50
H530630R	.30	.15	.30	.070	20	N	N	N	70	70
H530640R	.30	.30	.10	.200	<10	N	N	N	100	70
H530650R	.50	.20	.15	.070	<10	N	N	N	70	70
H530660R	.50	.20	.15	.300	<10	N	N	N	100	700
H530670R	2.00	.70	.15	.300	10	N	N	N	100	150
H530680R	2.00	.50	.15	.200	<10	N	N	N	70	150
H530690R	2.00	1.00	.30	.300	10	N	N	N	150	150
H530700R	.70	.70	.70	.100	15	N	N	N	50	70
H530710R	1.00	.20	.15	.070	<10	N	N	N	70	70
H530720R	.50	.30	.10	.150	<10	N	N	N	70	70
H530730R	1.00	.50	.20	.150	10	N	N	N	70	100
H530740R	.10	.30	.20	.050	<10	N	N	N	50	50
H530750R	1.00	.50	.30	.100	<10	N	N	N	100	100
H530760R	1.00	.20	.10	.070	<10	N	N	N	70	70
H530770R	2.00	1.00	.30	.200	10	N	N	N	100	100
H530780R	1.50	1.00	.50	.150	15	N	N	N	100	100
H530790R	.70	.70	.30	.150	10	N	N	N	150	100
H530800R	5.00	.70	.30	.200	15	N	N	N	100	150
H530810R	.30	.30	.30	.050	N	N	N	N	70	50
H530820R	2.00	1.00	.50	.200	30	N	N	N	150	100
H530830R	2.00	1.00	.50	.300	20	N	N	N	150	150
H530840R	1.50	.50	.30	.200	30	N	N	N	150	150
H530850R	.70	2.00	1.50	.150	15	N	N	N	100	100
H530860R	.70	.70	.50	.150	10	N	N	N	100	100
H530870R	.50	.30	.20	.100	10	N	N	N	70	100
H530880R	.20	.20	.30	.030	<10	N	N	N	50	100
H530890R	1.00	.70	.30	.150	15	N	N	N	100	70
H530900R	.50	.20	.20	.050	10	N	N	N	70	70

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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
H530460R	1.5	N	N	10	30	15	N	<5	N	30	30
H530470R	N	N	N	N	N	5	N	N	N	5	N
H530480R	1.5	N	N	N	30	7	N	N	N	7	15
H530490R	1.0	N	N	<5	20	10	N	N	N	10	20
H530500R	N	N	N	N	N	N	N	N	N	N	N
H530510R	<1.0	N	N	<5	10	5	N	N	N	7	N
H530520R	1.0	N	N	5	20	15	<20	N	N	15	N
H530530R	1.5	N	N	10	70	10	N	N	N	20	30
H530540R	<1.0	N	N	<5	50	10	N	N	N	5	<10
H530550R	1.0	N	N	7	30	10	N	N	N	20	30
H530560R	1.5	N	N	15	70	20	N	N	N	50	50
H530570R	N	N	N	N	<10	<5	N	N	N	5	N
H530580R	<1.0	N	N	N	<10	<5	N	N	N	7	N
H530590R	2.0	N	N	7	50	15	N	N	N	15	30
H530600R	<1.0	N	N	10	<10	7	N	<5	N	10	N
H530610R	N	N	N	5	N	10	N	<5	N	10	N
H530620R	N	N	N	N	N	<5	N	N	N	<5	N
H530630R	N	N	N	N	N	5	N	5	N	N	N
H530640R	<1.0	N	N	N	20	5	N	N	N	5	20
H530650R	N	N	N	N	N	<5	N	<5	N	5	N
H530660R	<1.0	N	N	<5	10	7	N	5	N	7	10
H530670R	1.0	N	N	7	30	7	N	N	N	20	15
H530680R	<1.0	N	N	7	20	5	N	<5	N	20	20
H530690R	<1.0	N	N	15	30	20	N	5	N	50	50
H530700R	N	N	N	N	10	5	N	N	N	7	N
H530710R	N	N	N	<5	N	<5	N	<5	N	7	N
H530720R	N	N	N	<5	N	<5	N	N	N	7	N
H530730R	<1.0	N	N	<5	20	10	N	N	N	10	<10
H530740R	N	N	N	N	N	<5	N	N	N	<5	N
H530750R	<1.0	N	N	5	<10	15	N	<5	N	15	<10
H530760R	<1.0	N	N	5	N	10	N	<5	N	10	<10
H530770R	1.0	N	N	7	30	50	N	5	N	20	30
H530780R	<1.0	N	N	5	20	30	N	5	N	30	30
H530790R	1.0	N	N	N	10	20	N	<5	N	10	20
H530800R	<1.0	N	N	15	20	150	N	20	N	50	50
H530810R	N	N	N	N	N	5	N	N	N	10	N
H530820R	2.0	N	N	15	30	50	N	7	N	30	50
H530830R	1.5	N	N	15	30	50	N	10	N	30	70
H530840R	1.5	N	N	10	20	20	N	7	N	20	15
H530850R	<1.0	N	N	<5	<10	15	N	5	N	10	10
H530860R	1.0	N	N	<5	10	15	N	5	N	10	20
H530870R	<1.0	N	N	N	<10	7	N	N	N	5	N
H530880R	N	N	N	N	N	<5	N	N	N	<5	N
H530890R	<1.0	N	N	<5	20	15	N	10	N	15	10
H530900R	N	N	N	N	N	5	N	<5	N	<5	N

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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
H530460R	N	<5	N	N	50	N	N	N	50	N	40
H530470R	N	N	N	N	10	<50	N	N	20	N	40
H530480R	N	<5	N	N	30	<50	N	N	100	N	40
H530490R	N	N	N	N	20	<50	N	N	70	N	40
H530500R	N	N	N	N	N	<50	N	N	N	N	40
H530510R	N	N	N	N	20	<50	N	N	50	N	40
H530520R	N	N	N	N	30	<50	15	N	700	N	40
H530530R	N	N	N	N	70	<50	N	N	70	N	40
H530540R	N	N	N	N	30	<50	N	N	70	N	40
H530550R	N	<5	N	N	50	<50	N	N	50	N	40
H530560R	N	5	N	N	70	<50	N	N	70	N	40
H530570R	N	N	N	100	10	<50	N	N	15	N	40
H530580R	N	N	N	N	10	<50	N	N	15	N	40
H530590R	N	<5	N	N	50	<50	N	N	100	N	40
H530600R	N	N	N	150	15	<50	N	N	30	N	40
H530610R	N	N	N	N	10	<50	N	N	30	N	40
H530620R	N	N	N	N	<10	<50	N	N	10	N	40
H530630R	N	N	N	N	<10	<50	N	N	20	N	40
H530640R	N	N	N	N	30	<50	N	N	50	N	40
H530650R	N	N	N	N	10	<50	N	N	50	N	40
H530660R	N	N	N	1,000	15	<50	N	N	150	N	40
H530670R	N	N	N	N	70	<50	N	N	150	N	40
H530680R	N	N	N	N	30	<50	N	N	150	N	40
H530690R	N	N	N	N	30	<50	N	N	100	N	40
H530700R	N	N	N	N	20	<50	N	N	70	N	40
H530710R	N	N	N	N	<10	<50	N	N	50	N	40
H530720R	N	N	N	N	15	<50	N	N	70	N	40
H530730R	N	N	N	N	30	<50	N	N	30	N	40
H530740R	N	N	N	N	<10	<50	N	N	20	N	40
H530750R	N	N	N	N	30	<50	N	N	50	N	40
H530760R	N	N	N	N	15	<50	N	N	20	N	40
H530770R	N	N	N	N	50	<50	N	N	70	N	40
H530780R	N	N	N	N	50	<50	N	N	100	N	40
H530790R	N	N	N	N	50	<50	N	N	70	N	40
H530800R	N	N	N	N	50	<50	N	N	150	N	40
H530810R	N	N	N	N	<10	<50	N	N	10	N	40
H530820R	N	5	N	N	50	<50	N	N	50	N	40
H530830R	N	5	N	N	50	<50	N	N	50	N	40
H530840R	N	<5	N	N	50	<50	N	N	100	N	40
H530850R	N	N	N	N	30	N	N	N	70	N	40
H530860R	N	N	N	N	30	N	N	N	50	N	40
H530870R	N	N	N	N	30	<50	N	N	30	N	40
H530880R	N	N	N	N	<10	<50	N	N	15	N	40
H530890R	N	N	N	N	50	<50	N	N	70	N	40
H530900R	N	N	N	N	<10	<50	N	N	20	N	40

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, HARRISON 1 × 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
H530910R	.15	.20	.20	.030	<10	N	N	N	50	50
H530920R	.70	.30	.15	.070	15	N	N	N	50	50
H530930R	1.00	.50	.30	.150	20	N	N	N	70	100
H530940R	.50	.20	.20	.070	10	N	N	N	70	50
H530950R	.70	.20	.10	.050	10	N	N	N	70	70
H530960R	.50	1.00	.70	.100	15	N	N	N	70	150
H530970R	1.50	.70	.30	.200	20	N	N	N	100	100
H530980R	1.00	.30	.10	.100	15	N	N	N	50	70
H530990R	.20	.50	.70	.050	<10	N	N	N	70	50
H531000R	3.00	.70	.10	.300	50	N	N	N	100	300
H531010R	1.00	.20	.07	.150	15	N	N	N	50	70
H531020R	1.00	.30	.30	.070	20	N	N	N	70	70
H531030R	.70	.20	.05	.070	15	N	N	N	70	70
H531040R	.70	.15	.10	.020	<10	N	N	N	50	30
H531050R	1.00	.30	.05	.100	15	N	N	N	100	100
H531060R	1.00	.30	<.05	.100	10	N	N	N	70	50
H531070R	1.50	.30	<.05	.150	15	N	N	N	50	100
H531080R	3.00	.70	.30	.300	30	N	N	N	70	70
H531090R	1.00	.15	<.05	.070	20	N	N	N	30	20
H531100R	1.50	.70	.50	.100	20	N	N	N	70	50
H531110R	1.00	.30	.20	.100	10	N	N	N	50	50
H531120R	1.00	.30	.15	.150	15	N	N	N	50	70
H531130R	1.00	.50	.30	.150	15	N	N	N	70	100
H531140R	.50	.10	.05	.030	N	N	N	N	15	30
H531150R	2.00	.10	<.05	.050	<10	N	N	N	20	30
H531160R	.70	.15	.05	.030	N	N	N	N	15	30
H531170R	.50	.20	.10	.050	<10	N	N	N	30	70
H531180R	.50	.20	<.05	.070	<10	N	N	N	50	50
H531190R	.10	.05	<.05	.020	N	N	N	N	30	30
H531200R	1.50	.30	.05	.100	15	N	N	N	70	70
H531210R	1.00	.20	<.05	.070	10	N	N	N	50	30
H531220R	.20	.07	<.05	.030	<10	N	N	N	50	30
H531230R	1.00	.30	<.05	.070	10	N	N	N	70	30
H531240R	.70	.02	<.05	.010	<10	N	N	N	50	30
H531250R	.10	.03	<.05	.015	N	N	N	N	50	20
H531260R	.05	.05	<.05	.010	N	N	N	N	20	30
H531270R	.10	.05	<.05	.020	N	N	N	N	15	30
H531280R	.15	.07	<.05	.020	N	N	N	N	30	20
H531290R	.05	.02	<.05	.007	N	N	N	N	20	20
H531300R	.05	.02	N	.007	N	N	N	N	50	20
H531310R	.05	.07	N	.020	N	N	N	N	20	20
H531320R	<.05	.05	N	.030	N	N	N	N	15	<20
H531330R	1.00	.20	<.05	.100	15	N	N	N	30	30
H531340R	1.00	.30	.05	.150	20	N	N	N	70	50
H531350R	1.50	.50	.05	.150	50	N	N	N	50	50

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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
H530910R	N	N	N	N	N	<5	N	<5	N	<5	N
H530920R	<1.0	N	N	N	20	<5	N	<5	N	7	N
H530930R	<1.0	N	N	5	30	10	N	30	N	10	<10
H530940R	N	N	N	N	N	7	N	50	N	7	<10
H530950R	<1.0	N	N	N	N	5	N	20	N	5	N
H530960R	<1.0	N	N	N	N	30	N	15	N	5	30
H530970R	1.5	N	N	7	30	20	N	30	N	20	30
H530980R	<1.0	N	N	N	20	10	20	20	N	10	N
H530990R	N	N	N	N	N	5	N	20	N	5	N
H531000R	1.5	N	N	5	70	15	50	20	N	30	20
H531010R	<1.0	N	N	<5	10	7	N	50	N	10	N
H531020R	<1.0	N	N	N	10	5	N	15	N	15	N
H531030R	<1.0	N	N	N	10	<5	N	7	N	10	N
H531040R	N	N	N	N	N	5	N	5	N	5	N
H531050R	1.0	N	N	<5	10	10	N	<5	N	10	N
H531060R	1.0	N	N	<5	<10	7	N	10	N	10	N
H531070R	<1.0	N	N	5	20	10	N	20	N	20	N
H531080R	1.5	N	N	5	70	15	20	5	N	30	10
H531090R	N	N	N	N	10	<5	N	N	N	10	N
H531100R	<1.0	N	N	<5	30	7	N	N	N	15	<10
H531110R	<1.0	N	N	5	10	15	N	7	N	30	20
H531120R	<1.0	N	N	<5	30	10	N	5	N	10	N
H531130R	<1.0	N	N	N	30	10	N	5	N	7	<10
H531140R	N	N	N	N	N	<5	N	<5	N	<5	N
H531150R	N	N	N	N	<10	5	N	N	N	5	N
H531160R	N	N	N	N	N	10	N	N	N	<5	N
H531170R	N	N	N	N	N	<5	N	<5	N	5	N
H531180R	N	N	N	N	10	5	N	7	N	7	N
H531190R	N	N	N	N	N	N	N	N	N	<5	N
H531200R	1.0	N	N	<5	20	7	N	15	N	15	N
H531210R	<1.0	N	N	N	15	<5	N	5	N	10	N
H531220R	N	N	N	N	<10	N	N	N	N	<5	N
H531230R	1.0	N	N	N	20	N	N	N	N	7	N
H531240R	N	N	N	N	<10	<5	N	N	N	<5	N
H531250R	N	N	N	N	<10	<5	N	<5	N	<5	N
H531260R	N	N	N	N	N	N	N	N	N	N	N
H531270R	N	N	N	N	N	N	N	N	N	<5	N
H531280R	N	N	N	N	N	N	N	N	N	5	N
H531290R	N	N	N	N	N	N	N	N	N	<5	N
H531300R	N	N	N	N	N	N	N	N	N	N	N
H531310R	N	N	N	N	N	N	N	N	N	N	N
H531320R	N	N	N	N	N	N	N	N	N	N	N
H531330R	<1.0	N	N	N	30	5	20	N	N	15	N
H531340R	1.0	N	N	N	50	7	30	N	N	15	10
H531350R	1.5	N	N	5	70	10	30	<5	N	30	<10

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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
H530910R	N	N	N	N	<10	<50	N	N	10	N	40
H530920R	N	N	N	N	30	<50	10	N	30	N	40
H530930R	N	N	N	N	50	<50	N	N	70	N	40
H530940R	N	N	N	N	10	<50	N	N	20	N	40
H530950R	N	N	N	N	15	<50	N	N	20	N	40
H530960R	N	N	N	N	15	<50	N	N	30	N	40
H530970R	N	N	N	N	50	<50	N	N	70	N	40
H530980R	N	<5	N	N	30	<50	10	N	50	N	40
H530990R	N	N	N	N	10	<50	N	N	15	N	40
H531000R	N	7	N	N	100	<50	15	<200	70	N	40
H531010R	N	<5	N	N	30	<50	N	N	30	N	40
H531020R	N	N	N	N	20	<50	N	N	20	N	40
H531030R	N	N	N	N	30	<50	N	N	20	N	40
H531040R	N	N	N	N	N	<50	N	N	10	N	40
H531050R	N	N	N	N	30	<50	N	N	30	N	40
H531060R	N	N	N	N	20	<50	N	N	30	N	40
H531070R	N	N	N	N	50	<50	N	N	30	N	40
H531080R	N	10	N	N	100	<50	30	<200	70	N	40
H531090R	N	N	N	N	20	<50	N	N	20	N	40
H531100R	N	<5	N	N	50	<50	N	N	30	N	40
H531110R	N	N	N	N	20	<50	N	N	20	N	40
H531120R	N	N	N	N	30	<50	N	N	30	N	40
H531130R	N	N	N	N	50	<50	N	N	50	N	40
H531140R	N	N	N	N	<10	<50	N	N	10	N	40
H531150R	N	N	N	N	10	<50	N	N	20	N	40
H531160R	N	N	N	100	<10	<50	N	N	15	N	40
H531170R	N	N	N	N	10	<50	N	N	20	N	40
H531180R	N	N	N	N	20	<50	N	N	30	N	40
H531190R	N	N	N	N	N	<50	N	N	10	N	40
H531200R	N	N	N	N	50	<50	N	N	50	N	40
H531210R	N	N	N	N	30	<50	10	N	30	N	40
H531220R	N	N	N	N	10	<50	N	N	20	N	40
H531230R	N	N	N	N	50	<50	10	N	20	N	40
H531240R	N	N	N	N	<10	<50	10	N	N	N	40
H531250R	N	N	N	N	<10	<50	N	N	N	N	40
H531260R	N	N	N	N	N	<50	N	N	10	N	40
H531270R	N	N	N	N	<10	<50	N	N	15	N	40
H531280R	N	N	N	N	<10	<50	N	N	10	N	40
H531290R	N	N	N	N	N	<50	N	N	N	N	40
H531300R	N	N	N	N	<10	<50	N	N	N	N	40
H531310R	N	N	N	N	10	<50	N	N	15	N	40
H531320R	N	N	N	N	<10	<50	N	N	20	N	40
H531330R	N	5	N	N	50	<50	15	<200	30	N	40
H531340R	N	5	N	N	70	<50	30	<200	50	N	40
H531350R	N	7	N	N	70	<50	20	<200	50	N	40

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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
H531360R	.10	.05	N	.020	<10	N	N	N	20	<20
H531370R	.30	.10	N	.070	N	N	N	N	30	20
H531380R	2.00	.30	<.05	.150	20	N	N	N	30	30
H531390R	2.00	.20	.05	.150	30	N	N	N	50	50
H531400R	1.50	.15	.05	1.000	20	N	N	N	30	30
H531410R	2.00	.50	<.05	.070	30	N	N	N	70	50
H531420R	1.00	.20	.05	1.000	15	N	N	N	50	30
H531430R	.20	.05	<.05	.030	N	N	N	N	30	<20
H531440R	.70	.15	<.05	.070	15	N	N	N	50	20
H531450R	2.00	.50	<.05	.200	30	N	N	N	70	50
H531460R	.70	.02	N	.005	N	N	N	N	20	N
H531470R	2.00	.30	.05	.150	15	N	N	N	50	50
H531480R	.10	.02	N	.020	N	N	N	N	30	N
H531490R	.70	.20	<.05	.070	15	N	N	N	20	30
H531500R	.15	.10	.05	.030	20	N	N	N	20	<20
H531510R	.05	.02	N	.010	<10	N	N	N	15	N
H531520R	.10	.15	<.05	.030	<10	N	N	N	20	30
H531530R	.10	.07	<.05	.020	N	N	N	N	15	N
H531540R	<.05	.02	N	.010	N	N	N	N	30	N
H531550R	<.05	.05	<.05	.007	N	N	N	N	30	N
H531560R	<.05	.03	<.05	.007	N	N	N	N	30	N
H531570R	<.05	.03	<.05	.003	N	N	N	N	50	<20
H531580R	<.05	.02	<.05	.002	N	N	N	N	50	N
H531590R	<.05	.03	<.05	.003	N	N	N	N	50	<20
H531600R	<.05	.02	<.05	.003	N	N	N	N	50	N
H531610R	.05	.03	<.05	.005	<10	N	N	N	50	<20
H531620R	<.05	.03	<.05	.003	<10	N	N	N	30	N
H531630R	<.05	.05	.10	.005	<10	N	N	N	70	30
H531640R	<.05	.02	<.05	.005	N	N	N	N	50	N
H531650R	1.50	.15	.05	.050	10	N	N	N	100	30
H531660R	2.00	.10	<.05	.050	10	N	N	N	70	<20
H531670R	.70	<.02	N	.007	N	N	N	N	15	<20
H531680R	.50	.05	.05	.020	<10	N	N	N	30	50
H531690R	.10	.02	N	.010	10	N	N	N	10	<20
H531700R	.05	<.02	N	.005	N	N	N	N	10	<20
H531710R	.05	.02	N	.010	N	N	N	N	10	<20
H531720R	.70	.02	N	.010	N	N	N	N	N	20
H531730R	.70	.05	N	.020	<10	N	N	N	N	20
H531740R	.20	.02	N	.015	<10	N	N	N	10	N
H531750R	.10	.02	N	.015	N	N	N	N	N	N
H531760R	.10	.02	N	.010	N	N	N	N	N	<20
H531770R	1.50	.20	<.05	.150	10	<.5	N	N	70	20
H531780R	2.00	.10	N	.050	<10	N	N	N	50	<20
H531790R	2.00	.15	N	.030	<10	N	N	N	50	<20
H531800R	2.00	.15	<.05	.070	10	<.5	<200	N	50	<20

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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
H531360R	N	N	N	N	10	<5	N	N	N	5	N
H531370R	<1.0	N	N	N	N	10	N	10	N	10	N
H531380R	1.0	N	N	<5	50	5	<20	N	N	20	N
H531390R	1.0	N	N	N	50	15	30	N	N	15	N
H531400R	1.0	N	N	N	30	<5	20	N	N	10	N
H531410R	1.5	N	N	N	70	5	30	7	N	20	N
H531420R	<1.0	N	N	N	30	<5	30	N	N	10	N
H531430R	N	N	N	N	N	N	N	N	N	<5	N
H531440R	<1.0	N	N	N	20	<5	<20	N	N	10	N
H531450R	1.5	N	N	5	70	10	50	N	N	20	10
H531460R	N	N	N	N	N	<5	N	N	N	<5	N
H531470R	<1.0	N	N	<5	50	5	20	N	N	20	N
H531480R	N	N	N	N	<10	N	N	N	N	<5	N
H531490R	<1.0	N	N	N	15	<5	N	N	N	7	N
H531500R	N	N	N	N	N	<5	N	N	N	<5	N
H531510R	N	N	N	N	N	N	N	N	N	N	N
H531520R	N	N	N	N	N	N	N	<5	N	<5	N
H531530R	N	N	N	N	N	N	N	<5	N	<5	N
H531540R	N	N	N	N	N	N	N	N	N	N	N
H531550R	N	N	N	N	N	N	N	N	N	N	N
H531560R	N	N	N	N	N	N	N	N	N	N	N
H531570R	N	N	N	N	N	N	N	N	N	N	N
H531580R	N	N	N	N	N	N	N	N	N	N	N
H531590R	N	N	N	N	N	N	N	N	N	N	N
H531600R	N	N	N	N	N	N	N	N	N	<5	N
H531610R	N	N	N	N	N	N	N	N	N	N	N
H531620R	N	N	N	N	N	N	N	N	N	<5	N
H531630R	N	N	N	N	N	N	N	<5	N	<5	N
H531640R	N	N	N	N	N	N	N	<5	N	<5	N
H531650R	N	N	N	<5	10	7	N	30	N	15	30
H531660R	N	N	N	5	<10	7	N	30	N	10	N
H531670R	N	N	N	N	N	N	N	<5	N	<5	N
H531680R	N	N	N	N	<10	<5	N	15	N	5	N
H531690R	N	N	N	N	<10	N	N	<5	N	N	N
H531700R	N	N	N	N	N	N	N	N	N	10	N
H531710R	N	N	N	N	N	300	N	5	N	N	100
H531720R	N	N	N	N	N	N	N	7	N	<5	N
H531730R	N	N	N	N	N	5	N	10	N	5	N
H531740R	N	N	N	N	N	7	N	15	N	<5	N
H531750R	N	N	N	<5	N	100	N	N	N	N	N
H531760R	N	N	N	N	N	N	N	N	N	N	N
H531770R	1.0	N	N	<5	10	15	N	20	N	15	N
H531780R	<1.0	N	N	<5	N	10	N	10	N	15	N
H531790R	<1.0	N	N	30	N	10	N	10	N	10	N
H531800R	<1.0	N	N	7	N	15	N	15	N	15	N

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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
H531360R	N	N	N	N	20	<50	N	N	10	N	40
H531370R	N	N	N	N	20	<50	N	N	30	N	40
H531380R	N	5	N	N	70	<50	15	<200	50	N	40
H531390R	N	5	N	N	70	<50	20	<200	50	N	40
H531400R	N	<5	N	N	50	<50	15	<200	30	N	40
H531410R	N	5	N	N	70	<50	15	<200	50	N	40
H531420R	N	<5	N	N	50	<50	20	N	30	N	40
H531430R	N	N	N	N	10	<50	N	N	10	N	40
H531440R	N	<5	N	N	30	<50	15	N	20	N	40
H531450R	N	7	N	N	100	<50	30	<200	70	N	40
H531460R	N	N	N	N	<10	<50	N	N	N	N	40
H531470R	N	5	N	N	70	<50	20	<200	50	N	40
H531480R	N	N	N	N	10	<50	N	N	N	N	40
H531490R	N	N	N	N	30	<50	10	<200	20	N	40
H531500R	N	N	N	N	10	<50	N	N	15	N	40
H531510R	N	N	N	N	N	<50	N	N	N	N	40
H531520R	N	N	N	N	30	<50	N	N	10	N	40
H531530R	N	N	N	N	15	<50	N	N	N	N	40
H531540R	N	N	N	N	<10	<50	N	N	N	N	40
H531550R	N	N	N	N	<10	<50	N	N	N	N	40
H531560R	N	N	N	N	<10	<50	N	N	N	N	40
H531570R	N	N	N	N	N	<50	N	N	N	N	40
H531580R	N	N	N	N	N	<50	N	N	N	N	40
H531590R	N	N	N	N	N	<50	N	N	N	N	40
H531600R	N	N	N	N	N	<50	N	N	N	N	40
H531610R	N	N	N	N	N	<50	N	N	N	N	40
H531620R	N	N	N	N	N	<50	N	N	N	N	40
H531630R	N	N	N	N	N	<50	N	N	N	N	40
H531640R	N	N	N	N	N	<50	N	N	N	N	40
H531650R	N	N	N	N	30	50	N	N	15	N	40
H531660R	N	N	N	N	20	500	N	N	15	N	40
H531670R	N	N	N	N	<10	<50	N	N	10	N	40
H531680R	N	N	N	100	10	<50	N	N	N	N	40
H531690R	N	N	N	N	<10	<50	N	N	10	N	40
H531700R	N	N	N	N	N	<50	N	N	N	N	17
H531710R	N	N	N	N	N	<50	N	N	15	N	17
H531720R	N	N	N	N	N	<50	N	N	30	N	17
H531730R	N	N	N	N	<10	<50	N	N	20	N	41
H531740R	N	N	N	N	<10	50	N	N	10	N	41
H531750R	N	N	N	N	<10	<50	N	N	20	N	41
H531760R	N	N	N	N	<10	<50	N	N	N	N	41
H531770R	N	N	N	N	70	<50	N	N	30	N	41
H531780R	N	N	N	N	20	<50	N	<200	20	N	41
H531790R	N	N	N	N	20	70	N	N	20	N	41
H531800R	N	N	N	N	30	70	N	N	20	N	41

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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
H531810R	3.00	.15	N	.050	10	<.5	500	N	70	<20
H531820R	2.00	.07	N	.030	<10	<.5	700	N	50	N
H531830R	5.00	.50	<.05	.150	15	.5	500	N	150	20
H531840R	7.00	.70	<.05	.200	15	.5	700	N	200	30
H531850R	7.00	.30	<.05	.070	15	.5	700	N	100	50
H531860R	10.00	.10	N	.030	10	.5	1,000	N	50	3,000
H531870R	15.00	.30	<.05	.100	20	1.0	700	N	150	50
H531880R	15.00	.07	<.05	.030	15	1.0	2,000	N	30	N
H531890R	15.00	.02	<.05	.050	15	2.0	3,000	N	30	70
H531900R	15.00	.20	N	.050	15	5.0	3,000	N	70	700
H531910R	10.00	.05	N	.030	10	5.0	7,000	N	50	1,000
H531920R	>20.00	.15	<.05	.030	30	10.0	>10,000	N	10	20
H531925R	20.00	.07	N	.030	10	7.0	7,000	N	10	<20

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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
H531810R	<1.0	N	N	5	N	20	N	20	N	20	N
H531820R	N	N	N	5	N	30	N	30	N	30	30
H531830R	1.5	N	N	15	20	50	N	100	N	30	70
H531840R	2.0	N	N	15	30	150	N	150	N	50	70
H531850R	1.5	N	N	7	<10	100	N	70	N	30	70
H531860R	<1.0	N	N	10	<10	100	N	50	N	30	30
H531870R	1.0	N	N	15	20	500	N	30	N	50	150
H531880R	<1.0	N	N	10	<10	500	N	30	N	30	30
H531890R	1.5	N	N	20	<10	1,500	N	300	N	70	200
H531900R	1.5	N	N	30	N	200	N	300	N	150	200
H531910R	N	N	N	20	N	700	N	70	N	70	150
H531920R	<1.0	N	N	70	N	3,000	N	200	N	300	300
H531925R	N	N	N	50	N	3,000	N	300	N	150	150

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H53, 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
H531810R	N	N	N	N	20	<50	N	N	15	N	41
H531820R	N	N	N	N	15	<50	N	N	10	N	41
H531830R	N	<5	N	N	70	<50	N	N	30	N	41
H531840R	N	5	N	N	100	<50	N	N	50	N	41
H531850R	N	N	N	N	50	<50	N	N	30	N	41
H531860R	N	N	N	N	30	<50	N	N	10	N	41
H531870R	N	N	N	N	70	<50	N	N	100	N	41
H531880R	N	N	N	N	15	<50	N	N	30	N	41
H531890R	N	N	N	N	150	<50	N	N	50	N	41
H531900R	N	N	N	N	70	<50	N	<200	10	N	41
H531910R	N	N	N	N	30	<50	N	<200	N	N	41
H531920R	N	N	N	N	30	<50	N	<200	N	N	41
H531925R	N	N	N	N	20	<50	N	<200	N	N	41

TABLE 5.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H54, 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	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
H540010R	1.50	.02	.05	.020	200	N	N	N	50	100
H540020R	2.00	.10	.05	.150	15	N	N	N	70	200
H540030R	3.00	1.00	.70	.300	50	N	N	N	150	500
H540040R	5.00	1.00	.30	.300	30	N	N	N	100	200
H540050R	.20	.30	.20	.100	<10	N	N	N	100	100
H540060R	5.00	1.00	.15	1.000	20	N	N	N	150	300
H540070R	1.00	.50	.20	.100	<10	N	N	N	50	100
H540080R	1.50	.50	.05	.200	10	N	N	N	100	150
H540090R	1.00	.20	.05	.100	15	N	N	N	50	150
H540100R	1.00	.20	.07	.100	15	N	N	N	50	150
H540110R	1.00	.10	<.05	.070	<10	N	N	N	30	100
H540120R	2.00	.10	.05	.030	10	N	N	N	50	30
H540130R	.70	.05	<.05	.010	10	N	N	N	30	50
H540140R	5.00	.10	<.05	.150	50	N	N	N	70	100
H540150R	20.00	.10	.07	.100	30	.7	<200	N	70	150
H540160R	.20	.20	.20	.005	10	N	N	N	70	70
H540170R	.50	.15	.15	.015	<10	N	N	N	70	50
H540180R	.50	.10	.10	.010	<10	N	N	N	70	30
H540190R	.50	.10	.10	.020	<10	N	N	N	50	50
H540200R	1.50	.07	.07	.020	10	N	N	N	70	100
H540210R	1.00	.50	.30	.030	<10	N	N	N	70	100
H540220R	.30	.15	.15	.020	<10	N	N	N	70	50
H540230R	.70	.30	.20	.100	10	N	N	N	100	100
H540240R	.20	.50	.30	.100	20	N	N	N	100	100
H540250R	1.50	.30	.15	.050	10	N	N	N	70	70
H540260R	.20	.02	<.05	.003	<10	N	N	N	100	30
H540270R	.50	.20	.30	.015	<10	N	N	N	50	50
H540280R	.70	.20	.15	.050	10	N	N	N	70	100
H540290R	.70	.20	.15	.070	15	N	N	N	70	150
H540300R	1.00	.30	.15	.070	10	N	N	N	100	150
H540310R	1.50	.10	.10	.050	20	N	N	N	70	50
H540320R	.10	.05	.05	.002	<10	N	N	N	50	50
H540330R	.50	.20	.07	.050	<10	N	N	N	50	100
H540340R	1.00	.15	.05	.100	10	N	N	N	70	100
H540350R	.30	.10	.10	.015	<10	N	N	N	50	50
H540360R	.15	.10	.10	.020	<10	N	N	N	50	70
H540370R	.20	.07	.10	.005	<10	N	N	N	70	30
H540380R	.05	<.02	<.05	<.002	<10	N	N	N	10	20
H540390R	.10	.05	.10	<.002	<10	N	N	N	50	50
H540400R	1.00	.10	.10	.050	<10	N	N	N	70	200
H540410R	.15	.05	.05	.010	<10	N	N	N	50	50
H540420R	.07	.02	<.05	.003	<10	N	N	N	50	20
H540430R	<.05	<.02	<.05	.003	<10	N	N	N	15	50
H540440R	1.00	.20	.30	.050	10	N	N	N	50	70
H540450R	.05	.05	<.05	.010	<10	N	N	N	30	50

TABLE 5.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H54, 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
H540010R	<1.0	N	N	5	20	7	N	5	N	7	N
H540020R	1.0	N	N	5	20	50	N	10	N	20	10
H540030R	1.5	N	N	7	100	50	N	30	N	30	20
H540040R	1.5	N	N	10	70	70	N	50	N	20	30
H540050R	N	N	N	N	20	10	N	7	N	10	N
H540060R	1.5	N	N	15	100	100	N	20	<20	30	30
H540070R	1.0	N	N	5	20	70	N	7	N	10	10
H540080R	1.0	N	N	5	50	50	N	10	N	15	15
H540090R	1.0	N	N	<5	20	15	N	10	N	10	10
H540100R	<1.0	N	N	<5	20	15	N	15	N	15	<10
H540110R	N	N	N	<5	20	5	N	5	N	10	N
H540120R	N	N	N	<5	15	10	N	10	N	10	N
H540130R	N	N	N	N	15	7	N	5	N	10	N
H540140R	<1.0	N	N	5	20	20	N	20	N	15	10
H540150R	N	N	N	20	20	100	N	100	N	150	50
H540160R	N	N	N	N	15	<5	N	5	N	7	15
H540170R	N	N	N	N	15	<5	N	5	N	10	N
H540180R	N	N	N	N	15	50	N	<5	N	10	N
H540190R	N	N	N	N	15	<5	N	5	N	7	N
H540200R	N	N	N	N	15	10	N	7	N	10	N
H540210R	N	N	N	N	10	10	N	<5	N	10	N
H540220R	N	N	N	N	10	5	N	<5	N	10	N
H540230R	<1.0	N	N	N	20	20	N	7	N	15	N
H540240R	N	N	N	N	20	20	N	10	N	15	10
H540250R	N	N	N	N	15	20	N	5	N	10	10
H540260R	N	N	N	N	10	20	N	<5	N	10	N
H540270R	N	N	N	N	15	30	N	5	N	10	N
H540280R	N	N	N	N	20	15	N	<5	N	10	N
H540290R	N	N	N	N	20	10	N	10	N	10	10
H540300R	N	N	N	N	20	15	N	15	N	15	10
H540310R	N	N	N	N	20	20	N	5	N	10	10
H540320R	N	N	N	N	20	<5	N	N	N	7	N
H540330R	N	N	N	N	20	5	N	<5	N	10	N
H540340R	N	N	N	N	20	20	N	10	N	15	15
H540350R	N	N	N	N	15	10	N	5	N	10	N
H540360R	N	N	N	N	15	5	N	5	N	10	N
H540370R	N	N	N	N	15	<5	N	<5	N	10	N
H540380R	N	N	N	N	10	50	N	N	N	7	N
H540390R	N	N	N	N	10	<5	N	5	N	7	N
H540400R	N	N	N	N	15	10	N	5	N	10	N
H540410R	N	N	N	N	15	<5	N	<5	N	7	N
H540420R	N	N	N	N	10	<5	N	5	N	7	N
H540430R	N	N	N	N	15	<5	N	<5	N	7	N
H540440R	N	N	N	N	15	10	N	5	N	15	<10
H540450R	N	N	N	N	10	<5	N	<5	N	7	N

TABLE 5.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H54, 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
H540010R	N	N	N	N	20	<50	N	N	30	N	21
H540020R	N	<5	N	<100	20	<50	N	200	50	N	21
H540030R	N	7	N	N	100	<50	N	N	100	N	21
H540040R	N	7	N	N	100	<50	N	<200	70	N	21
H540050R	N	N	N	N	20	<50	N	N	50	N	21
H540060R	N	10	N	N	200	<50	N	N	100	N	21
H540070R	N	N	N	N	30	<50	N	N	30	N	21
H540080R	N	N	N	N	50	<50	N	1,000	50	N	21
H540090R	N	N	N	N	20	<50	N	<200	100	N	21
H540100R	N	N	N	N	20	<50	N	N	100	N	21
H540110R	N	N	N	N	15	<50	N	N	50	N	21
H540120R	N	N	N	N	10	<50	N	N	30	N	21
H540130R	N	N	N	N	10	<50	N	N	<10	N	21
H540140R	N	N	N	N	20	<50	N	N	50	N	21
H540150R	N	<5	N	N	10	<50	N	N	30	N	21
H540160R	N	N	N	N	10	<50	N	N	N	N	20
H540170R	N	N	N	N	10	<50	N	N	N	N	20
H540180R	N	N	N	N	10	<50	N	N	N	N	20
H540190R	N	N	N	N	10	<50	N	N	<10	N	20
H540200R	N	N	N	N	10	<50	N	N	20	N	20
H540210R	N	N	N	N	20	<50	N	N	30	N	20
H540220R	N	N	N	N	15	<50	N	N	20	N	20
H540230R	N	N	N	<100	50	<50	N	N	50	N	20
H540240R	N	N	N	N	30	<50	N	N	30	N	20
H540250R	N	N	N	N	20	<50	N	N	20	N	20
H540260R	N	N	N	N	10	<50	N	N	N	N	20
H540270R	N	N	N	N	15	<50	N	N	N	N	20
H540280R	N	N	N	N	20	<50	N	N	10	N	20
H540290R	N	N	N	200	20	<50	N	N	20	N	20
H540300R	N	N	N	150	30	<50	N	N	30	N	20
H540310R	N	N	N	N	20	<50	N	N	20	N	20
H540320R	N	N	N	N	10	<50	N	N	N	N	20
H540330R	N	N	N	N	20	<50	N	N	50	N	20
H540340R	N	N	N	N	50	<50	N	200	30	N	20
H540350R	N	N	N	N	15	<50	N	N	N	N	20
H540360R	N	N	N	N	15	<50	N	N	N	N	19
H540370R	N	N	N	N	15	<50	N	N	N	N	19
H540380R	N	N	N	N	10	<50	N	N	10	N	19
H540390R	N	N	N	<100	10	<50	N	N	N	N	19
H540400R	N	N	N	200	20	<50	N	N	30	N	19
H540410R	N	N	N	<100	15	<50	N	N	N	N	19
H540420R	N	N	N	N	15	<50	N	N	N	N	19
H540430R	N	N	N	N	10	<50	N	N	70	N	19
H540440R	N	N	N	N	30	<50	N	N	10	N	19
H540450R	N	N	N	N	10	<50	N	N	30	N	19

TABLE 5.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H54, 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
H540460R	.30	.05	<.05	.010	<10	N	N	N	50	50
H540470R	.10	.03	<.05	.005	<10	N	N	N	50	50
H540480R	.05	.02	<.05	.003	<10	N	N	N	30	30
H540490R	1.00	3.00	<.05	.070	<10	N	N	N	50	30
H540500R	7.00	.05	<.05	.010	20	N	N	N	50	50
H540510R	1.50	.02	<.05	.002	<10	N	N	N	20	50
H540520R	.30	.02	<.05	.005	10	N	N	N	20	20
H540530R	.70	.02	<.05	.005	10	N	N	N	20	50
H540540R	2.00	.02	<.05	.005	10	N	N	N	20	50
H540550R	2.00	.05	<.05	.020	10	N	N	N	30	20
H540560R	.15	.05	<.05	.015	<10	N	N	N	20	30
H540570R	2.00	.10	.05	.030	15	N	N	N	30	50
H540580R	5.00	.50	.05	.020	50	N	N	N	50	20
H540590R	3.00	.02	.10	.005	10	N	N	N	50	30
H540600R	5.00	.03	.05	.015	15	N	N	N	30	N
H540610R	5.00	.10	.10	.020	15	N	N	N	50	30
H540620R	3.00	.03	<.05	<.002	20	N	N	N	50	50
H540630R	20.00	.07	.05	.002	100	N	<200	N	50	70
H540640R	15.00	.07	.05	.002	150	N	<200	N	50	50
H540650R	1.50	.05	.05	.003	15	N	N	N	50	50
H540660R	2.00	.07	.05	.002	10	N	N	N	30	<20
H540670R	2.00	.03	.05	.003	10	N	N	N	50	30
H540680R	5.00	.10	.15	.010	20	N	N	N	50	50
H540690R	1.50	.05	.05	.002	15	N	N	N	20	30
H540700R	1.50	.02	<.05	.002	10	N	N	N	50	20
H540710R	2.00	.02	<.05	<.002	<10	N	N	N	50	<20
H540720R	5.00	.03	.05	.003	<10	N	N	N	30	20
H540730R	7.00	.05	.05	.005	30	N	N	N	50	50
H540740R	1.00	.02	<.05	<.002	<10	N	N	N	50	30
H540750R	1.00	.05	.05	.010	10	N	N	N	30	20
H540760R	3.00	.03	<.05	.015	10	N	N	N	30	<20
H540770R	.30	.02	<.05	.005	<10	N	N	N	50	50
H540780R	2.00	.05	<.05	.010	<10	N	N	N	50	50
H540790R	1.50	.03	<.05	.002	<10	N	N	N	50	<20
H540800R	.10	.03	<.05	.002	<10	N	N	N	50	20
H540810R	.30	.02	<.05	<.002	<10	N	N	N	50	50
H540820R	2.00	.07	.05	.020	<10	N	N	N	70	50
H540830R	.50	.03	.05	.020	<10	N	N	N	50	20
H540840R	2.00	.05	.05	.015	<10	N	N	N	50	30
H540850R	5.00	.03	<.05	.005	<10	N	N	N	50	20
H540860R	3.00	.05	<.05	.007	<10	N	N	N	70	<20
H540870R	1.50	.05	<.05	.005	<10	N	N	N	50	20
H540880R	2.00	.05	<.05	.010	10	N	N	N	50	20
H540890R	.30	.05	<.05	.007	<10	N	N	N	70	30
H540900R	.05	.02	<.05	<.002	<10	N	N	N	50	<20

TABLE 5.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H54, 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
H540460R	N	N	N	N	15	20	N	<5	N	10	N
H540470R	N	N	N	N	10	10	N	5	N	10	N
H540480R	N	N	N	N	10	7	N	5	N	7	N
H540490R	N	N	N	N	10	15	N	5	N	10	N
H540500R	N	N	N	5	10	150	N	20	N	20	N
H540510R	N	N	N	N	10	10	N	5	N	10	N
H540520R	N	N	N	N	10	7	N	<5	N	7	N
H540530R	N	N	N	N	10	15	N	5	N	7	N
H540540R	N	N	N	N	10	50	N	7	N	10	N
H540550R	N	N	N	N	15	50	N	7	N	10	N
H540560R	N	N	N	N	10	5	N	<5	N	10	N
H540570R	<1.0	N	N	N	15	200	N	7	N	10	<10
H540580R	1.5	N	N	N	10	200	N	10	N	15	<10
H540590R	N	N	N	N	10	20	N	<5	N	10	N
H540600R	<1.0	N	N	N	15	70	N	5	N	15	<10
H540610R	<1.0	N	N	N	15	100	N	<5	N	15	10
H540620R	N	N	N	N	10	15	N	5	N	7	<10
H540630R	1.5	N	N	N	15	100	N	10	N	20	100
H540640R	1.5	N	N	N	15	300	N	10	N	20	50
H540650R	N	N	N	N	10	15	N	<5	N	10	N
H540660R	N	N	N	N	10	30	N	<5	N	7	20
H540670R	<1.0	N	N	N	10	20	N	<5	N	10	15
H540680R	1.0	N	N	N	15	20	N	5	N	15	30
H540690R	N	N	N	N	15	20	N	5	N	7	N
H540700R	N	N	N	N	20	20	N	<5	N	10	N
H540710R	N	N	N	N	10	15	N	N	N	10	N
H540720R	N	N	N	N	10	15	N	N	N	7	N
H540730R	1.0	N	N	N	15	70	N	5	N	15	50
H540740R	N	N	N	N	10	15	N	N	N	7	N
H540750R	N	N	N	N	15	10	N	N	N	7	N
H540760R	N	N	N	N	10	30	N	<5	N	10	15
H540770R	N	N	N	N	N	7	N	<5	N	5	N
H540780R	N	N	N	N	N	15	N	5	N	7	N
H540790R	N	N	N	N	N	15	N	<5	N	7	N
H540800R	N	N	N	N	<10	<5	N	N	N	7	N
H540810R	N	N	N	N	<10	5	N	<5	N	7	N
H540820R	N	N	N	N	10	10	N	<5	N	10	N
H540830R	N	N	N	N	<10	7	N	<5	N	7	N
H540840R	N	N	N	N	N	20	N	N	N	7	N
H540850R	N	N	N	N	<10	20	N	10	N	10	N
H540860R	N	N	N	N	10	30	N	7	N	10	N
H540870R	N	N	N	N	10	15	N	20	N	10	N
H540880R	N	N	N	N	15	20	N	10	N	10	N
H540890R	N	N	N	N	10	5	N	7	N	7	N
H540900R	N	N	N	N	<10	<5	N	5	N	7	N

TABLE 5.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H54, 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
H540460R	N	N	N	N	15	<50	N	N	N	N	19
H540470R	N	N	N	N	15	<50	N	N	N	N	19
H540480R	N	N	N	N	15	<50	N	N	N	N	19
H540490R	N	N	N	N	15	<50	N	N	N	N	19
H540500R	N	N	N	N	15	<50	N	N	N	N	19
H540510R	N	N	N	N	15	<50	N	N	15	N	19
H540520R	N	N	N	N	15	<50	N	N	20	N	19
H540530R	N	N	N	N	10	<50	N	N	30	N	19
H540540R	N	N	N	N	15	<50	N	N	50	N	19
H540550R	N	N	N	N	20	<50	N	N	50	N	18
H540560R	N	N	N	N	15	<50	N	N	30	N	18
H540570R	N	N	N	N	20	<50	N	N	50	N	18
H540580R	N	N	N	N	30	<50	N	N	50	N	18
H540590R	N	N	N	N	15	<50	N	N	N	N	18
H540600R	N	N	N	N	15	<50	N	N	N	N	18
H540610R	N	N	N	N	30	<50	N	N	N	N	18
H540620R	N	N	N	N	15	<50	N	N	N	N	18
H540630R	N	N	N	N	70	<50	15	<200	N	N	18
H540640R	N	N	N	N	50	<50	<10	N	N	N	18
H540650R	N	N	N	N	15	<50	N	N	N	N	18
H540660R	N	N	N	N	15	<50	N	N	N	N	18
H540670R	N	N	N	N	20	<50	N	N	N	N	18
H540680R	N	N	N	N	30	<50	N	N	N	N	18
H540690R	N	N	N	N	10	<50	N	N	N	N	18
H540700R	N	N	N	N	15	<50	N	N	N	N	18
H540710R	N	N	N	N	10	<50	N	N	N	N	18
H540720R	N	N	N	N	10	<50	N	N	N	N	18
H540730R	N	N	N	N	20	<50	N	N	N	N	18
H540740R	N	N	N	N	15	<50	N	N	N	N	18
H540750R	N	N	N	N	15	<50	N	N	N	N	18
H540760R	N	N	N	N	20	<50	N	N	N	N	18
H540770R	N	N	N	100	10	<50	N	N	N	N	18
H540780R	N	N	N	<100	20	<50	N	N	N	N	18
H540790R	N	N	N	N	15	<50	N	N	N	N	18
H540800R	N	N	N	N	10	<50	N	N	N	N	18
H540810R	N	N	N	<100	10	<50	N	N	N	N	18
H540820R	N	N	N	N	15	<50	N	N	N	N	18
H540830R	N	N	N	N	15	<50	N	N	N	N	18
H540840R	N	N	N	N	15	<50	N	N	N	N	18
H540850R	N	N	N	N	10	<50	N	N	N	N	18
H540860R	N	N	N	N	10	<50	N	N	N	N	18
H540870R	N	N	N	N	10	<50	N	N	N	N	18
H540880R	N	N	N	N	10	<50	N	N	N	N	18
H540890R	N	N	N	N	<10	<50	N	N	N	N	18
H540900R	N	N	N	N	10	<50	N	N	10	N	17

TABLE 5.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H54, 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
H540910R	.05	<.02	<.05	<.002	<10	N	N	N	10	<20
H540920R	<.05	.02	<.05	.005	<10	N	N	N	10	<20
H540930R	<.05	<.02	<.05	.002	<10	N	N	N	10	<20
H540940R	.05	<.02	<.05	.002	<10	N	N	N	10	<20
H540950R	1.50	.05	.05	.010	10	N	N	N	10	<20
H540960R	1.00	.10	.07	.010	20	N	N	N	30	20
H540970R	.20	.05	.05	.002	10	N	N	N	50	20
H540980R	1.00	.07	.05	.005	15	N	N	N	50	<20
H540990R	.10	.05	.05	.005	<10	N	N	N	100	20
H541000R	.07	.02	<.05	.003	<10	N	N	N	20	<20
H541010R	.50	.05	.07	.003	<10	N	N	N	50	20
H541020R	.15	.07	.07	.005	<10	N	N	N	20	20
H541030R	.20	.50	5.00	.015	15	N	N	N	30	<20
H541040R	.50	.07	.05	.005	<10	N	N	N	30	20
H541050R	1.00	.70	.50	.050	20	1.5	N	N	50	<20
H541060R	10.00	.30	.20	.005	30	N	N	N	50	<20
H541070R	2.00	.50	.05	.100	20	N	N	N	100	20
H541080R	2.00	.30	.05	.100	15	N	N	N	70	20
H541090R	3.00	.50	.05	.150	15	N	N	N	70	20
H541100R	3.00	.50	.15	.100	10	N	N	N	70	20
H541110R	3.00	.30	.10	.100	30	N	N	N	100	20
H541120R	3.00	.30	.10	.050	10	N	N	N	50	<20
H541130R	3.00	.30	.10	.050	20	N	N	N	50	<20
H541140R	1.50	.20	.10	.030	15	N	N	N	30	<20
H541150R	7.00	.15	.10	.050	20	1.0	<200	N	70	20
H541160R	15.00	.20	.10	.050	20	1.0	700	N	100	20
H541170R	10.00	.20	.10	.050	30	1.0	200	N	70	20
H541180R	15.00	1.00	.10	.200	100	2.0	<200	N	300	50
H541190R	20.00	.70	.15	.100	100	5.0	500	N	100	50
H541200R	10.00	.50	.05	.150	300	3.0	500	N	100	20
H541210R	10.00	.10	.10	.030	50	1.0	700	N	50	<20
H541220R	5.00	.07	<.05	.020	10	1.0	1,000	N	30	<20
H541230R	10.00	.15	.10	.100	50	1.5	700	N	50	30
H541240R	.70	.15	.10	.058	10	N	N	N	50	70
H541250R	7.00	.15	.10	.050	100	N	N	N	100	20
H541260R	20.00	.15	.05	.010	150	N	700	N	100	20
H541270R	>20.00	.20	.05	.015	200	N	700	N	100	50
H541280R	>20.00	.30	.10	.015	300	N	700	N	100	50
H541290R	>20.00	.30	.05	.020	300	.7	700	N	100	50
H541300R	>20.00	.30	.07	.010	300	2.0	700	N	100	50
H541310R	>20.00	.20	.05	.010	300	1.0	500	N	150	50

TABLE 5.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H54, 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
H540910R	N	N	N	N	10	<5	N	N	N	5	N
H540920R	N	N	N	N	10	<5	N	N	N	7	N
H540930R	N	N	N	N	10	<5	N	N	N	5	N
H540940R	N	N	N	N	10	<5	N	N	N	7	N
H540950R	N	N	N	N	20	10	N	5	N	7	N
H540960R	N	N	N	N	<10	10	N	5	N	7	N
H540970R	N	N	N	N	<10	5	N	<5	N	7	N
H540980R	N	N	N	N	<10	10	N	5	N	7	N
H540990R	N	N	N	N	<10	<5	N	<5	N	7	N
H541000R	N	N	N	N	<10	<5	N	N	N	7	N
H541010R	N	N	N	N	<10	<5	N	<5	N	7	N
H541020R	N	N	N	N	<10	<5	N	<5	N	7	N
H541030R	N	N	N	N	<10	5	N	<5	N	7	N
H541040R	N	N	N	N	<10	7	N	N	N	7	50
H541050R	N	N	N	N	<10	15	N	<5	N	10	N
H541060R	N	N	N	N	<10	70	N	7	N	15	N
H541070R	1.0	N	N	N	20	100	N	7	N	15	10
H541080R	1.0	N	N	N	20	20	N	5	N	15	15
H541090R	1.0	N	N	N	20	30	N	<5	N	15	15
H541100R	1.0	N	N	N	15	30	N	5	N	20	15
H541110R	1.0	N	N	N	20	50	N	10	N	15	<10
H541120R	<1.0	N	N	N	20	30	N	7	N	10	<10
H541130R	<1.0	N	N	N	20	30	N	5	N	10	<10
H541140R	<1.0	N	N	N	10	20	N	<5	N	10	N
H541150R	1.0	N	N	N	15	50	N	5	N	20	50
H541160R	1.0	N	N	7	10	100	N	7	N	50	100
H541170R	1.0	N	N	7	15	70	N	7	N	50	70
H541180R	2.0	N	N	10	70	100	N	30	N	100	200
H541190R	1.0	N	N	15	20	150	N	50	N	100	500
H541200R	1.0	N	N	10	20	100	N	30	N	70	100
H541210R	N	N	N	10	10	70	N	20	N	70	70
H541220R	N	N	N	7	10	300	N	20	N	50	50
H541230R	N	N	N	15	20	100	N	150	N	100	100
H541240R	N	N	N	N	20	15	N	5	N	7	N
H541250R	N	N	N	5	20	70	N	15	N	20	20
H541260R	5.0	N	N	20	<10	100	N	20	N	100	150
H541270R	5.0	N	N	50	N	150	N	100	N	200	200
H541280R	5.0	N	N	50	N	300	N	100	N	300	300
H541290R	5.0	N	N	30	N	200	N	150	N	200	200
H541300R	1.5	N	N	20	N	300	N	300	N	200	300
H541310R	1.5	N	N	10	N	200	N	150	N	100	150

TABLE 5.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H54, 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
H540910R	N	N	N	N	<10	<50	N	N	10	N	17
H540920R	N	N	N	N	<10	<50	N	N	50	N	17
H540930R	N	N	N	N	<10	<50	N	N	<10	N	17
H540940R	N	N	N	N	<10	<50	N	N	50	N	17
H540950R	N	N	N	N	<10	<50	N	N	20	N	16
H540960R	N	N	N	N	10	<50	N	N	20	N	16
H540970R	N	N	N	N	10	<50	N	N	N	N	16
H540980R	N	N	N	N	10	<50	N	N	N	N	16
H540990R	N	N	N	N	10	<50	N	N	N	N	16
H541000R	N	N	N	N	10	<50	N	N	10	N	16
H541010R	N	N	N	N	10	<50	N	N	10	N	16
H541020R	N	N	N	N	15	<50	N	N	20	N	16
H541030R	N	N	N	N	10	<50	N	N	200	N	16
H541040R	N	N	N	N	15	<50	N	N	20	N	16
H541050R	N	N	N	N	10	<50	N	N	20	N	16
H541060R	N	N	N	N	50	<50	N	N	N	N	16
H541070R	N	N	N	N	50	<50	N	N	50	N	16
H541080R	N	N	N	N	50	<50	N	N	50	N	16
H541090R	N	N	N	N	30	<50	N	N	50	N	16
H541100R	N	N	N	N	70	<50	N	N	30	N	16
H541110R	N	N	N	N	50	<50	N	N	50	N	16
H541120R	N	N	N	N	50	<50	N	N	20	N	16
H541130R	N	N	N	N	50	<50	N	N	30	N	16
H541140R	N	N	N	N	50	<50	N	N	N	N	16
H541150R	N	N	N	N	30	N	N	N	10	N	16
H541160R	N	N	N	N	50	N	N	N	<10	N	16
H541170R	N	N	N	N	50	N	N	N	50	N	16
H541180R	N	7	N	N	300	N	N	N	100	N	16
H541190R	N	<5	N	N	100	N	N	N	50	N	16
H541200R	N	<5	N	N	100	N	N	5,000	50	N	16
H541210R	N	N	N	N	15	N	N	N	<10	N	16
H541220R	N	N	N	N	20	N	N	N	N	N	16
H541230R	N	N	N	N	30	N	N	N	100	N	16
H541240R	N	N	N	N	10	<50	N	N	30	N	16
H541250R	N	N	N	N	30	N	N	N	20	N	16
H541260R	N	N	N	N	200	N	N	200	N	N	16
H541270R	N	<5	N	N	300	N	10	500	10	N	16
H541280R	N	<5	N	N	300	N	15	500	10	N	16
H541290R	N	<5	N	N	200	N	10	500	10	N	16
H541300R	N	N	N	N	70	N	<10	500	10	N	16
H541310R	N	N	N	N	50	N	N	300	10	N	16