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Spectrographic analyses of insoluble-residue samples, Harrison 1° x 2° quadrangle, Missouri and Arkansas: Drill holes nos. 55, 56, 57, and 58

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CONTENTS

FIGURE

TABLES

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. 55 (Missouri log number 2381), drill hole no. 56 (Missouri log number 20816), drill hole no. 57 (Missouri log number 24724), and drill hole no. 58 (Missouri log number 28115) are given in this report. Drill hole no. 55 is located in sec. 27, T. 22 N., R. 27 W. in Barry County, Missouri; drill hole no. 56 is located in sec. 12, T. 24 N., R. 24 W. in Stone County, Missouri; drill hole no. 57 is located in sec. 13, T. 21 N., R. 22 W. in Taney County, Missouri; and drill hole no. 58 is located in sec. 29, T. 23 N., R. 22 W., in Stone County, Missouri (fig. 1). Data for the insoluble-residue in samples in drill holes 55, 56, 57, and 58 are listed in tables 1, 2, 3, and 4, 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.

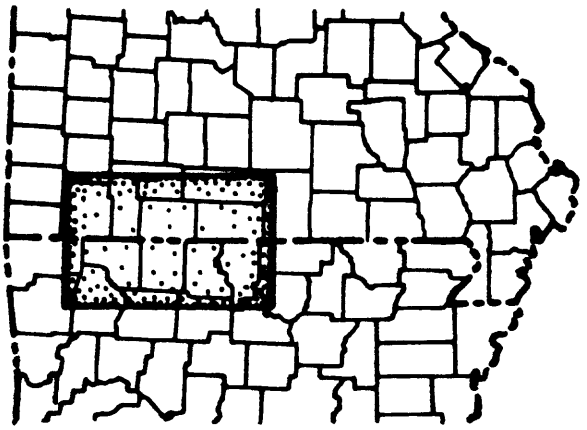
PREPARATION AND ANALYSIS OF SAMPLES

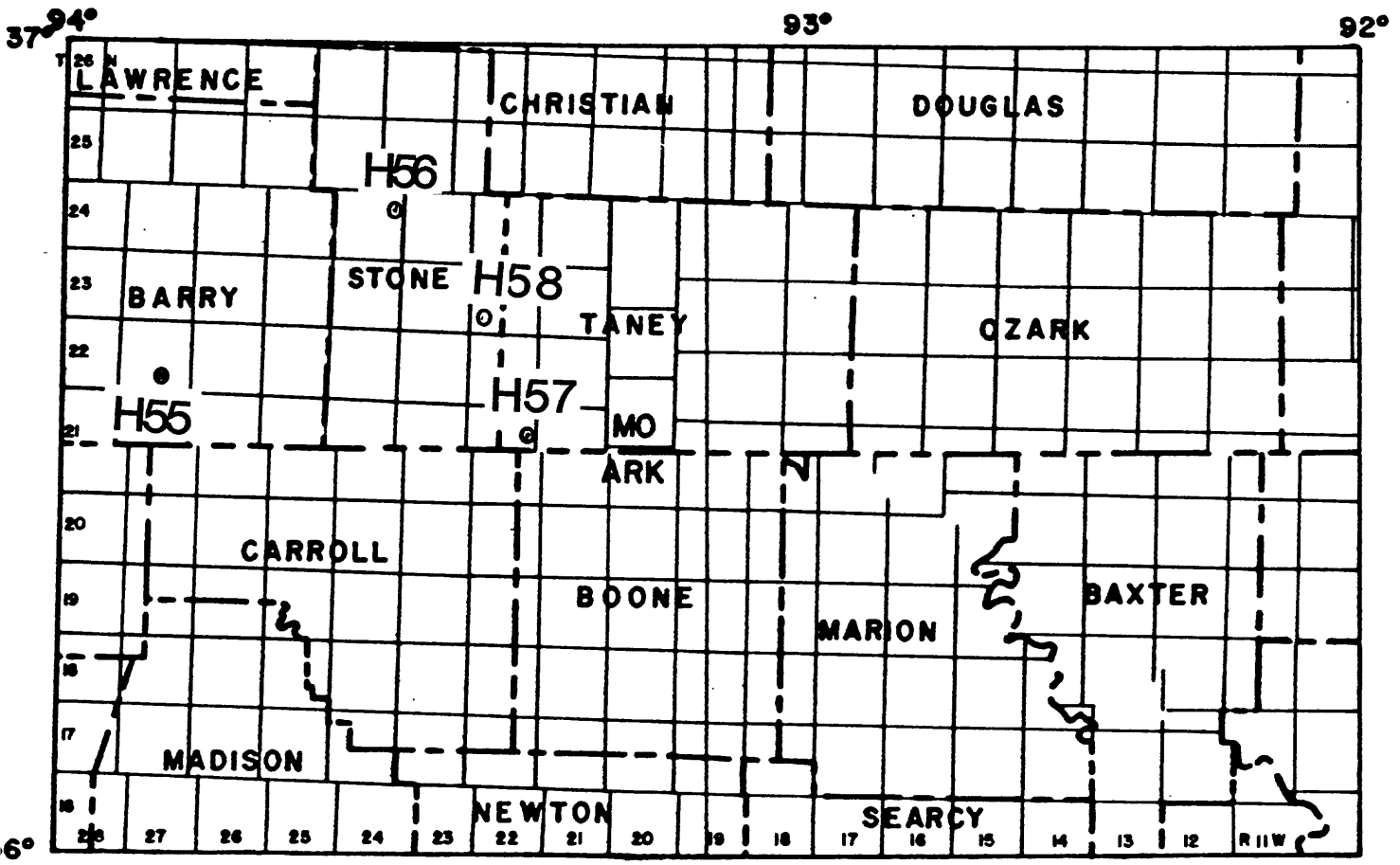
Insoluble residues were prepared by dissolving approximately 80 grams of crushed carbonate rock in repeated applications of 1:5 hydrochloric acid until the carbonate was removed. The samples were then filtered and dried overnight at 50 °C.

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).





HARRISON 1°X2° QUADRANGLE

Locations of drill holes discussed in this report

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

For those given in percent:

Calcium	0.05
Iron	0.05
Magnesium	0.02
Titanium	0.002

For those given in ppm:

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

DESCRIPTION OF DATA TABLES

Each sample is identified by an eight-character code beginning with the letter H, signifying Harrison. The next number signifies the USGS drill-hole number. The letter R either follows this number or appears at the end of the character code and signifies insoluble residue. The four digits before or after the R identify the depth of the sample from the drill-hole collar. Most samples are composites of approximate 10-foot intervals, dependent upon the original sample intervals and upon the amount of sample material available for analysis. Note that in table 4, drill hole 58, insoluble residue samples are missing between 535 ft and 900 ft.

The stratigraphic unit of the sample is identified by a coded number in the last column (tables 1 through 4) following the thorium column. The code and formation names are as follows:

Code	Formation
31	Undifferentiated Mississippian Units
22	Powell Dolomite
21	Cotter Dolomite
39	Jefferson City Dolomite-Cotter Dolomite Undifferentiated
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 4 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 1-4, some of the elements listed in these tables (Fe, Mg, Ca, Ti, Ag, and Be) carry one or more nonsignificant zeros to the right of the significant digits. The analyst did not determine these elements to the accuracy suggested by the extra zeros.

RASS

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

ACKNOWLEDGMENTS

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

REFERENCES

Grimes, D.J., and Marranzino, A.P., 1968, Direct-current arc and alternating-current spark emission spectrographic field methods for the semiquantitative analysis of geologic materials: U.S. Geological Survey Circular 591, 6 p.

Motooka, J.M., and Grimes, D.J., 1976, Analytical precision of one-sixth order semiquantitative spectrographic analyses: U.S. Geological Survey Circular 738, 25 p.

VanTrump, George, Jr., and Miesch, A.T., 1977, The U.S. Geological Survey RASS-STATPAC system for management and statistical reduction of geochemical data: Computers and Geosciences, v. 3, p. 475-488.

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H55, 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
H550050R	N	N	N	N	20	<50	N	N	50	N	21
H550060R	N	N	N	100	30	<50	N	N	100	N	21
H550070R	N	<5	N	700	30	<50	N	N	50	N	21
H550080R	N	5	N	500	50	<50	N	300	200	N	21
H550090R	N	5	N	200	30	<50	N	N	50	N	21
H550100R	N	N	N	<100	15	<50	N	N	20	N	21
H550110R	N	<5	N	<100	20	<50	N	N	50	N	21
H550120R	N	N	N	200	15	<50	N	N	100	N	21
H550130R	N	N	N	200	15	<50	N	N	100	N	21
H550140R	N	<5	N	<100	30	<50	N	N	100	N	21
H550150R	N	N	N	N	15	<50	N	N	100	N	21
H550160R	N	N	N	N	15	<50	N	N	100	N	21
H550170R	N	5	N	N	30	<50	N	N	50	N	21
H550180R	N	N	N	N	20	<50	N	N	30	N	21
H550190R	N	N	N	N	20	<50	N	N	100	N	21
H550200R	N	<5	N	N	30	<50	N	N	50	N	21
H550210R	N	N	N	N	20	<50	N	N	30	N	21
H550220R	N	<5	N	N	<10	<50	N	N	20	N	21
H550230R	N	5	N	N	20	<50	N	N	50	N	21
H550240R	N	5	N	N	20	<50	N	N	50	N	21
H550250R	N	5	N	N	30	<50	N	<200	100	N	21
H550260R	N	<5	N	N	<10	<50	N	N	20	N	21
H550270R	N	5	N	N	30	<50	N	N	70	N	21
H550280R	N	5	N	N	50	<50	N	N	100	N	21
H550290R	N	<5	N	N	50	<50	N	N	100	N	21
H550300R	N	<5	N	N	20	<50	N	N	50	N	21
H550310R	N	<5	N	N	15	<50	N	N	50	N	21
H550320R	N	<5	N	N	50	<50	N	N	70	N	21
H550330R	N	5	N	N	50	<50	N	<200	70	N	21
H550340R	N	5	N	N	70	<50	N	N	100	N	21
H550350R	N	5	N	N	50	<50	N	N	50	N	21
H550360R	N	<5	N	N	20	<50	N	N	30	N	21
H550370R	N	N	N	<100	<10	<50	N	N	10	N	20
H550380R	N	N	N	N	15	<50	N	N	30	N	20
H550390R	N	N	N	N	15	<50	N	N	30	N	20
H550400R	N	N	N	N	10	<50	N	N	10	N	20
H550410R	N	N	N	N	<10	<50	N	N	50	N	20
H550420R	N	<5	N	N	20	<50	N	N	50	N	20
H550430R	N	N	N	N	20	<50	N	N	20	N	20
H550440R	N	<5	N	N	50	<50	N	N	50	N	20
H550450R	N	N	N	N	20	<50	N	N	20	N	20
H550460R	N	N	N	N	10	<50	N	N	N	N	20
H550470R	N	N	N	N	10	<50	N	N	N	N	20
H550480R	N	N	N	N	<10	<50	N	200	N	N	20
H550490R	N	N	N	N	<10	<50	N	N	N	N	20

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H55, 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
H550500R	1.50	.70	.50	.200	20	N	N	N	70	150
H550510R	.50	.20	.10	.100	100	N	N	N	70	100
H550520R	.50	.10	.10	.100	100	N	N	N	70	100
H550530R	.70	.10	.07	.100	100	N	N	N	70	50
H550540R	.50	.05	.05	.050	30	N	N	N	70	100
H550550R	1.50	.10	.05	.070	50	N	N	N	70	100
H550560R	2.00	.50	.10	.200	50	N	N	N	100	150
H550570R	1.00	.20	.10	.100	30	N	N	N	100	100
H550580R	1.00	.07	.07	.070	10	N	N	N	50	50
H550590R	.20	<.02	<.05	.010	15	N	N	N	10	20
H550600R	.10	.02	<.05	.002	10	N	N	N	50	20
H550610R	.30	.05	<.05	.015	10	N	N	N	100	50
H550620R	.20	.05	.05	.020	10	N	N	N	50	50
H550630R	.50	.03	.05	.015	<10	N	N	N	30	100
H550640R	.50	.05	<.05	.030	50	N	N	N	30	70
H550650R	.10	.02	<.05	.070	100	N	N	N	30	20
H550660R	1.00	.02	<.05	.010	20	N	N	N	50	20
H550670R	1.00	.03	.05	.010	15	N	N	N	50	<20
H550680R	.50	.02	.10	.005	<10	N	N	N	50	100
H550690R	.30	.07	.05	.020	10	N	N	N	50	50
H550700R	.30	.03	.05	.010	10	N	N	N	50	30
H550710R	.05	<.02	<.05	.005	10	N	N	N	50	30
H550720R	.20	.02	<.05	.070	100	N	N	N	50	30
H550730R	.30	.02	<.05	.020	20	N	N	N	20	20
H550740R	.30	<.02	<.05	.050	70	N	N	N	20	20
H550750R	.50	<.02	<.05	.003	50	N	N	N	30	50
H550760R	.20	<.02	<.05	.020	30	N	N	N	30	100
H550770R	.20	.03	.05	.020	30	N	N	N	50	50
H550780R	1.00	.07	.05	.020	20	N	N	N	50	50
H550790R	.70	.05	<.05	.150	200	N	N	N	50	50
H550800R	1.50	.07	.05	.050	30	N	N	N	50	100
H550810R	.70	.02	.05	.002	10	N	N	N	50	50
H550820R	.50	<.02	.05	.005	10	N	N	N	50	50
H550830R	.50	.10	.10	.007	10	N	N	N	50	50
H550840R	.30	.02	.05	.015	10	N	N	N	50	50
H550850R	.20	.02	.05	.003	10	N	N	N	50	50
H550860R	.20	.02	.05	.015	15	N	N	N	50	50
H550870R	.20	.10	.05	.070	100	N	N	N	50	50
H550880R	.10	.02	.05	.020	50	N	N	N	50	70
H550890R	<.05	<.02	.05	.002	<10	N	N	N	20	50
H550900R	.20	<.02	<.05	.050	30	N	N	N	20	20
H550910R	.10	<.02	.05	.002	10	N	N	N	30	50
H550920R	.20	.05	.05	.010	10	N	N	N	30	50
H550930R	.20	.05	.05	.020	20	N	N	N	30	20
H550940R	1.00	.05	<.05	.015	50	N	N	N	30	20

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H55, 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
H550500R	1	N	N	<5	70	30	N	20	N	15	<10
H550510R	1	N	N	N	500	10	N	50	N	10	N
H550520R	1	N	N	N	500	7	N	30	N	10	N
H550530R	<1	N	N	N	300	10	N	20	N	10	N
H550540R	<1	N	N	N	200	5	N	30	N	10	N
H550550R	1	N	N	<5	1,000	20	N	100	N	20	15
H550560R	15	N	N	5	1,000	20	N	70	N	30	N
H550570R	1	N	N	<5	300	15	N	30	N	20	N
H550580R	N	N	N	N	500	5	N	70	N	7	N
H550590R	<1	N	N	N	200	<5	N	30	N	7	N
H550600R	<1	N	N	N	150	<5	N	15	N	7	N
H550610R	<1	N	N	N	100	<5	N	15	N	10	N
H550620R	<1	N	N	N	20	<5	N	15	N	10	N
H550630R	<1	N	N	N	15	<5	N	7	N	7	N
H550640R	<1	N	N	N	200	<5	N	30	N	10	N
H550650R	<1	N	N	N	500	<5	N	7	N	10	N
H550660R	<1	N	N	N	100	5	N	20	N	10	N
H550670R	<1	N	N	N	50	5	N	15	N	10	N
H550680R	N	N	N	N	50	<5	N	5	N	7	N
H550690R	<1	N	N	N	20	<5	N	7	N	10	N
H550700R	<1	N	N	N	70	7	N	7	N	10	N
H550710R	<1	N	N	N	20	<5	N	5	N	10	N
H550720R	<1	N	N	N	700	<5	N	20	N	10	N
H550730R	<1	N	N	N	500	<5	N	20	N	7	N
H550740R	N	N	N	N	500	<5	N	20	N	10	N
H550750R	N	N	N	N	30	<5	N	7	N	10	N
H550760R	N	N	N	N	200	<5	N	5	N	7	N
H550770R	<1	N	N	5	70	5	N	10	N	10	<10
H550780R	<1	N	N	N	150	10	N	30	N	15	10
H550790R	<1	N	N	N	1,000	10	N	20	N	15	<10
H550800R	<1	N	N	N	500	15	N	50	N	15	10
H550810R	N	N	N	N	150	7	N	30	N	10	<10
H550820R	N	N	N	N	50	<5	N	10	N	7	N
H550830R	N	N	N	N	50	5	N	20	N	10	N
H550840R	N	N	N	N	100	<5	N	7	N	10	N
H550850R	N	N	N	N	100	<5	N	10	N	7	N
H550860R	<1	N	N	N	200	<5	N	15	N	7	N
H550870R	<1	N	N	N	200	5	N	100	N	10	N
H550880R	<1	N	N	N	300	<5	N	20	N	7	N
H550890R	<1	N	N	N	15	<5	N	5	N	7	N
H550900R	<1	N	N	N	150	<5	N	7	N	10	N
H550910R	N	N	N	N	50	<5	N	15	N	10	N
H550920R	N	N	N	N	70	10	N	15	N	10	N
H550930R	N	N	N	N	200	7	N	20	N	10	N
H550940R	N	N	N	N	200	10	N	30	N	15	N

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H55, 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
H550500R	N	5	N	N	50	<50	N	N	50	N	20
H550510R	N	N	N	N	15	<50	N	N	50	N	20
H550520R	N	N	N	N	15	<50	N	N	50	N	20
H550530R	N	N	N	N	20	<50	N	N	50	N	20
H550540R	N	N	N	<100	15	<50	N	N	30	N	20
H550550R	N	<5	N	N	20	<50	N	N	30	N	20
H550560R	N	5	N	N	50	<50	N	N	50	N	20
H550570R	N	<5	N	N	20	<50	N	N	50	N	20
H550580R	N	N	N	N	<10	<50	N	N	20	N	20
H550590R	N	N	N	N	<10	<50	N	N	50	N	20
H550600R	N	N	N	N	<10	<50	N	N	N	N	20
H550610R	N	N	N	N	<10	<50	N	N	N	N	19
H550620R	N	N	N	N	<10	<50	N	N	N	N	19
H550630R	N	N	N	N	<10	<50	N	N	20	N	19
H550640R	N	N	N	N	10	<50	N	N	50	N	19
H550650R	N	N	N	N	10	<50	N	N	30	N	19
H550660R	N	N	N	N	10	<50	N	N	15	N	19
H550670R	N	N	N	N	10	<50	N	N	15	N	19
H550680R	N	N	N	N	<10	<50	N	N	<10	N	19
H550690R	N	N	N	N	10	<50	N	N	30	N	19
H550700R	N	N	N	N	<10	<50	N	N	N	N	19
H550710R	N	N	N	N	<10	<50	N	N	50	N	19
H550720R	N	N	N	N	10	<50	N	N	150	N	19
H550730R	N	N	N	N	15	<50	N	N	20	N	19
H550740R	N	N	N	N	10	<50	N	N	20	N	19
H550750R	N	N	N	N	<10	<50	N	N	<10	N	19
H550760R	N	N	N	N	<10	<50	N	N	N	N	18
H550770R	N	N	N	N	10	<50	N	N	70	N	18
H550780R	N	N	N	N	10	<50	N	N	30	N	18
H550790R	N	N	N	N	15	<50	N	N	50	N	18
H550800R	N	N	N	N	15	<50	N	N	30	N	18
H550810R	N	N	N	N	<10	<50	N	N	N	N	18
H550820R	N	N	N	N	<10	<50	N	N	N	N	18
H550830R	N	N	N	N	<10	<50	N	N	N	N	18
H550840R	N	N	N	N	<10	<50	N	N	N	N	18
H550850R	N	N	N	N	<10	<50	N	N	N	N	18
H550860R	N	N	N	N	<10	<50	N	N	N	N	18
H550870R	N	N	N	N	10	<50	N	N	N	N	18
H550880R	N	N	N	N	<10	<50	N	N	N	N	18
H550890R	N	N	N	N	<10	<50	N	N	N	N	18
H550900R	N	N	N	N	10	<50	N	N	N	N	18
H550910R	N	N	N	N	<10	<50	N	N	N	N	18
H550920R	N	N	N	N	50	<50	N	N	N	N	18
H550930R	N	N	N	N	20	<50	N	N	N	N	18
H550940R	N	N	N	N	20	<50	N	N	N	N	18

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H55, 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
H550950R	1.00	.02	.05	.100	100	N	N	N	50	30
H550960R	1.00	.05	.05	.020	10	N	N	N	50	30
H550970R	1.00	.05	.05	.015	10	N	N	N	50	20
H550980R	1.00	.05	.05	.030	50	N	N	N	50	50
H550990R	.20	.02	.05	.007	10	N	N	N	30	50
H551000R	.20	.07	.10	.010	10	N	N	N	20	50
H551010R	.50	.03	.05	.050	100	N	N	N	30	50
H551020R	1.00	.05	.05	.070	300	N	N	N	30	50
H551030R	3.00	.10	.05	.070	150	N	N	N	50	50
H551040R	1.00	.05	<.05	.020	70	N	N	N	50	30
H551050R	.30	.05	.05	.015	20	N	N	N	50	50
H551060R	.20	.02	.05	.010	15	N	N	N	50	30
H551070R	.05	<.02	<.05	.015	20	N	N	N	10	N
H551080R	.10	<.02	<.05	.005	10	N	N	N	10	<20
H551090R	.15	<.02	<.05	.010	20	N	N	N	10	N
H551100R	.50	.02	<.05	.020	30	N	N	N	20	20
H551110R	1.00	.05	.05	.100	100	N	N	N	20	20
H551120R	.70	.02	<.05	.150	150	N	N	N	20	<20
H551130R	.07	.05	.10	.007	10	N	N	N	50	20
H551140R	.07	.02	.10	.007	10	N	N	N	50	<20
H551150R	.07	.03	.10	.050	50	N	N	N	50	20
H551160R	.10	.03	.10	.007	10	N	N	N	50	20
H551170R	.10	.02	.10	.020	20	N	N	N	50	<20

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H55, 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
H550950R	N	N	N	N	500	5	N	30	N	10	N
H550960R	N	N	N	N	50	5	N	20	N	15	N
H550970R	N	N	N	N	50	<5	N	15	N	10	N
H550980R	N	N	N	N	300	20	N	30	N	10	N
H550990R	N	N	N	N	100	5	N	10	N	10	N
H551000R	N	N	N	N	100	<5	N	20	N	10	N
H551010R	N	N	N	N	200	<5	N	50	N	10	N
H551020R	N	N	N	<5	1,000	5	N	50	N	10	N
H551030R	N	N	N	<5	1,000	20	N	100	N	15	N
H551040R	N	N	N	N	1,000	7	N	30	N	10	N
H551050R	N	N	N	N	100	<5	N	20	N	7	N
H551060R	N	N	N	N	70	<5	N	20	N	7	N
H551070R	N	N	N	<5	70	<5	N	10	N	7	N
H551080R	N	N	N	N	100	<5	N	30	N	7	N
H551090R	N	N	N	N	150	<5	N	30	N	7	N
H551100R	N	N	N	N	300	5	N	30	N	7	N
H551110R	N	N	N	N	300	5	N	20	N	7	N
H551120R	N	N	N	N	500	70	N	20	N	7	N
H551130R	N	N	N	N	50	<5	N	15	N	7	N
H551140R	N	N	N	N	50	<5	N	10	N	7	N
H551150R	N	N	N	N	200	<5	N	10	N	7	N
H551160R	N	N	N	N	200	<5	N	10	N	7	N
H551170R	N	N	N	N	100	<5	N	10	N	7	N

TABLE 1.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H55, 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
H550950R	N	N	N	N	15	<50	N	N	N	N	18
H550960R	N	N	N	N	20	<50	N	N	N	N	18
H550970R	N	N	N	N	15	<50	N	N	N	N	18
H550980R	N	N	N	N	20	<50	N	N	N	N	18
H550990R	N	N	N	N	<10	<50	N	N	N	N	18
H551000R	N	N	N	N	<10	<50	N	N	N	N	18
H551010R	N	N	N	N	<10	<50	N	N	N	N	18
H551020R	N	N	N	N	10	<50	N	N	N	N	18
H551030R	N	N	N	N	20	<50	N	N	50	N	18
H551040R	N	N	N	N	15	<50	N	N	N	N	18
H551050R	N	N	N	N	10	<50	N	N	N	N	18
H551060R	N	N	N	N	10	<50	N	N	20	N	18
H551070R	N	N	N	N	<10	<50	N	N	30	N	17
H551080R	N	N	N	N	<10	<50	N	N	30	N	17
H551090R	N	N	N	N	<10	<50	N	N	200	N	17
H551100R	N	N	N	N	10	<50	N	N	20	N	16
H551110R	N	N	N	N	20	<50	N	N	100	N	16
H551120R	N	N	N	N	20	<50	N	N	50	N	16
H551130R	N	N	N	N	10	<50	N	N	N	N	16
H551140R	N	N	N	N	10	<50	N	N	N	N	16
H551150R	N	N	N	N	10	<50	N	N	N	N	16
H551160R	N	N	N	N	10	<50	N	N	N	N	16
H551170R	N	N	N	N	10	<50	N	N	N	N	16

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H56, 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.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	As-ppm	Au-ppm	B-ppm	Ba-ppm
	s	s	s	s	s	s	s	s	s	s
H56R0060	.07	.02	1.00	.020	10	N	N	N	70	20
H56R0070	.15	.05	.70	.050	30	N	N	N	100	50
H56R0080	.20	.50	1.00	.020	20	N	N	N	70	20
H56R0090	.15	.50	1.00	.015	30	N	N	N	50	<20
H56R0100	.20	.50	1.00	.020	20	N	N	N	70	50
H56R0110	.20	.30	1.00	.015	20	N	N	N	70	20
H56R0120	.30	.50	1.00	.010	20	N	N	N	70	30
H56R0130	.20	.30	1.00	.020	30	N	N	N	70	30
H56R0140	.10	.07	1.00	.015	20	N	N	N	70	20
H56R0150	.07	.05	1.00	.010	50	N	N	N	50	<20
H56R0160	.10	.07	1.00	.015	30	N	N	N	70	20
H56R0170	.15	.10	1.00	.020	30	N	N	N	50	50
H56R0180	1.00	.07	1.00	.020	30	N	N	N	50	30
H56R0190	20.00	.02	.15	.030	20	N	N	N	50	70
H56R0200	>20.00	.03	.10	.030	150	N	N	N	70	70
H56R0210	2.00	.20	.10	.100	30	N	N	N	70	100
H56R0220	.50	.50	.20	.100	15	N	N	N	70	200
H56R0230	1.50	.20	.15	.150	20	N	N	N	100	300
H56R0240	7.00	.20	.15	.070	50	.7	N	N	100	200
H56R0245	.10	<.02	<.05	.007	10	N	N	N	<10	100
H56R0250	2.00	.02	<.05	.070	30	<.5	N	N	20	200
H56R0260	1.00	.05	.05	.100	30	N	N	N	50	200
H56R0270	1.50	.20	.30	.150	30	N	N	N	100	200
H56R0280	.50	.70	1.00	.150	20	N	N	N	70	200
H56R0290	1.00	.50	.50	.200	20	N	N	N	100	200
H56R0300	2.00	.50	.15	.300	30	N	N	N	100	200
H56R0310	.20	.07	.05	.030	10	N	N	N	70	100
H56R0320	.20	.50	.50	.200	20	N	N	N	70	200
H56R0330	.50	.30	.20	.200	20	N	N	N	70	100
H56R0340	.20	.10	.07	.050	10	N	N	N	50	100
H56R0350	1.50	.70	.70	.300	30	.7	N	N	100	200
H56R0360	.50	.20	.07	.200	20	N	N	N	100	150
H56R0370	1.50	.70	.50	.300	50	N	N	N	100	200
H56R0380	1.00	.70	2.00	.300	30	N	N	N	100	200
H56R0390	.20	.10	.15	.070	20	N	N	N	100	150
H56R0400	1.00	.50	1.00	.200	30	N	N	N	100	150
H56R0410	.70	.20	.10	.100	30	N	N	N	70	200
H56R0420	1.00	.20	.07	.200	30	N	N	N	70	200
H56R0430	.15	.30	.30	.050	10	N	N	N	50	200
H56R0440	.30	.30	.20	.100	10	N	N	N	70	200
H56R0450	.50	.20	.15	.070	15	N	N	N	50	100
H56R0460	1.00	.50	.50	.150	20	<.5	N	N	100	200
H56R0470	5.00	.30	.20	.200	30	N	N	N	100	300
H56R0480	.50	.07	.15	.020	15	N	N	N	50	150
H56R0490	.15	.50	.70	.020	15	N	N	N	50	100

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H56, 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
H56R0060	N	N	N	N	10	<5	N	<5	N	7	N
H56R0070	<1.0	N	N	N	50	<5	N	<5	N	10	N
H56R0080	N	N	N	N	10	<5	N	<5	N	15	N
H56R0090	N	N	N	<5	10	<5	N	5	N	15	N
H56R0100	N	N	N	N	10	<5	N	5	N	15	N
H56R0110	N	N	N	N	10	<5	N	5	N	15	N
H56R0120	N	N	N	<5	10	<5	N	5	N	20	N
H56R0130	N	N	N	N	10	<5	N	<5	N	20	N
H56R0140	N	N	N	N	10	<5	N	5	N	30	N
H56R0150	N	N	N	20	10	<5	N	5	N	30	N
H56R0160	N	N	N	7	10	<5	N	<5	N	20	N
H56R0170	N	N	N	7	10	150	N	5	N	30	N
H56R0180	N	N	N	N	10	15	N	<5	N	20	N
H56R0190	N	N	N	7	10	7	N	7	N	20	N
H56R0200	N	N	N	20	10	50	N	7	N	200	N
H56R0210	1.0	N	N	7	50	10	N	<5	N	20	N
H56R0220	1.0	N	N	5	50	20	N	5	N	15	N
H56R0230	1.0	N	N	7	50	30	N	10	N	15	10
H56R0240	<1.0	N	N	10	20	30	N	20	N	30	20
H56R0245	N	N	N	N	10	<5	N	<5	N	5	N
H56R0250	<1.0	N	N	7	10	30	N	20	N	15	<10
H56R0260	<1.0	N	N	5	15	20	N	7	N	15	10
H56R0270	1.0	N	N	20	20	30	N	10	N	30	20
H56R0280	1.0	N	N	5	20	15	N	5	N	20	<10
H56R0290	1.0	N	N	5	30	10	N	5	N	15	10
H56R0300	1.5	N	N	15	50	20	N	5	N	30	20
H56R0310	<1.0	N	N	<5	10	<5	N	<5	N	10	N
H56R0320	1.0	N	N	N	30	10	N	<5	N	10	N
H56R0330	1.0	N	N	N	20	10	N	<5	N	10	N
H56R0340	<1.0	N	N	N	10	7	N	5	N	10	N
H56R0350	1.5	N	N	50	50	300	N	15	N	100	30
H56R0360	1.0	N	N	15	20	30	N	20	N	20	15
H56R0370	1.5	N	N	20	50	30	N	20	N	50	50
H56R0380	1.0	N	N	20	50	100	N	50	N	50	50
H56R0390	<1.0	N	N	N	15	5	N	7	N	10	N
H56R0400	1.0	N	N	N	20	10	N	10	N	15	10
H56R0410	1.0	N	N	7	20	15	N	15	N	15	<10
H56R0420	1.0	N	N	20	50	50	N	20	N	30	20
H56R0430	<1.0	N	N	N	10	<5	N	<5	N	7	N
H56R0440	1.0	N	N	N	20	7	N	<5	N	7	N
H56R0450	1.0	N	N	N	20	5	N	5	N	10	N
H56R0460	1.0	N	N	15	30	50	N	5	N	15	N
H56R0470	1.0	N	N	20	50	150	N	20	N	50	50
H56R0480	<1.0	N	N	N	10	5	N	5	N	10	N
H56R0490	<1.0	N	N	N	15	<5	N	5	N	7	N

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H56, 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
H56R0060	N	N	N	N	10	<50	N	N	<10	N	31
H56R0070	N	N	N	N	20	<50	N	N	15	N	31
H56R0080	N	N	N	N	20	<50	N	N	10	N	31
H56R0090	N	N	N	N	20	<50	N	N	N	N	31
H56R0100	N	N	N	N	15	<50	N	200	N	N	31
H56R0110	N	N	N	N	20	<50	N	<200	N	N	31
H56R0120	N	N	N	N	20	<50	N	<200	<10	N	31
H56R0130	N	N	N	N	20	<50	N	N	<10	N	31
H56R0140	N	N	N	N	15	<50	N	200	N	N	31
H56R0150	N	N	N	<100	15	<50	N	N	N	N	31
H56R0160	N	N	N	N	20	<50	N	N	10	N	31
H56R0170	N	N	N	N	15	<50	N	N	10	N	31
H56R0180	N	N	N	N	15	<50	N	N	N	N	31
H56R0190	N	N	N	N	10	<50	N	200	50	N	31
H56R0200	N	5	N	N	20	<50	N	200	15	N	31
H56R0210	N	<5	N	300	50	<50	N	N	50	N	21
H56R0220	N	<5	N	N	20	<50	N	N	150	N	21
H56R0230	N	N	N	<100	20	<50	N	N	150	N	21
H56R0240	N	N	N	N	15	<50	N	<200	70	N	21
H56R0245	N	N	N	N	10	<50	N	N	50	N	21
H56R0250	N	N	N	<100	15	<50	N	N	50	N	21
H56R0260	N	N	N	N	15	<50	N	N	100	N	21
H56R0270	N	N	N	N	30	<50	N	N	100	N	21
H56R0280	N	<5	N	N	30	<50	N	N	50	N	21
H56R0290	N	<5	N	<100	20	<50	N	N	70	N	21
H56R0300	N	5	N	N	50	<50	N	N	70	N	21
H56R0310	N	N	N	N	15	<50	N	N	15	N	21
H56R0320	N	N	N	N	20	<50	N	N	100	N	21
H56R0330	N	N	N	N	20	<50	N	N	50	N	21
H56R0340	N	5	N	N	10	<50	N	N	50	N	21
H56R0350	N	<5	N	<100	100	<50	N	N	70	N	21
H56R0360	N	5	N	N	30	<50	N	N	50	N	21
H56R0370	N	<5	N	N	50	<50	N	N	70	N	21
H56R0380	N	<5	N	N	50	<50	N	N	70	N	21
H56R0390	N	<5	N	N	10	<50	N	N	70	N	21
H56R0400	N	N	N	N	30	<50	N	N	70	N	21
H56R0410	N	<5	N	N	20	<50	N	N	70	N	21
H56R0420	N	<5	N	N	30	<50	N	N	100	N	21
H56R0430	N	N	N	N	10	<50	N	N	100	N	21
H56R0440	N	N	N	N	15	<50	N	N	100	N	21
H56R0450	N	N	N	N	15	<50	N	N	100	N	21
H56R0460	N	<5	N	<100	50	<50	N	N	50	N	21
H56R0470	N	5	N	100	50	100	N	N	100	N	21
H56R0480	N	N	N	<100	10	<50	N	N	10	N	21
H56R0490	N	N	N	N	15	<50	N	N	10	N	20

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H56, 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
H56R0500	.07	.50	1.00	.020	15	N	N	N	50	100
H56R0510	.30	.20	.20	.070	15	N	N	N	50	100
H56R0520	1.00	.30	.30	.070	20	N	N	N	70	200
H56R0530	.30	.50	.70	.050	20	N	N	N	50	100
H56R0540	.30	.50	1.00	.100	20	N	N	N	70	150
H56R0550	1.00	.50	1.00	.100	20	N	N	N	70	200
H56R0560	.20	.50	1.50	.100	20	N	N	N	100	150
H56R0570	1.00	.50	.30	.100	20	N	N	N	70	100
H56R0580	5.00	.30	.20	.200	20	N	N	N	100	150
H56R0590	5.00	.50	1.00	.100	20	N	N	N	100	100
H56R0600	.50	.07	.10	.015	10	N	N	N	50	70
H56R0610	.70	.20	.30	.020	10	N	N	N	70	100
H56R0620	.30	.10	.15	.050	10	N	N	N	50	100
H56R0630	1.00	1.00	2.00	.200	20	N	N	N	100	150
H56R0640	.15	.10	.15	.030	10	N	N	N	70	100
H56R0650	.15	.10	.15	.050	10	N	N	N	70	100
H56R0660	.10	.05	.10	.030	10	N	N	N	50	50
H56R0670	.50	.20	.20	.070	10	N	N	N	50	100
H56R0680	1.50	.15	.10	.070	10	N	N	N	100	100
H56R0690	.50	.50	1.00	.050	15	N	N	N	50	150
H56R0700	.50	.07	.15	.070	10	N	N	N	100	200
H56R0710	.50	.05	.07	.020	15	N	N	N	50	100
H56R0720	.10	<.02	<.05	.005	10	N	N	N	20	20
H56R0730	.15	<.02	<.05	.003	10	N	N	N	20	20
H56R0740	.15	.02	.05	.005	10	N	N	N	50	100
H56R0750	.10	.05	.05	.020	10	N	N	N	70	100
H56R0760	.05	.03	.05	.007	15	N	N	N	50	50
H56R0770	.10	.02	<.05	.010	15	N	N	N	50	100
H56R0780	.15	.05	.05	.050	10	N	N	N	70	100
H56R0790	.10	.02	<.05	.007	10	N	N	N	50	20
H56R0800	.30	.02	.05	.007	10	N	N	N	50	20
H56R0810	.07	.02	.05	.005	10	N	N	N	50	50
H56R0820	.15	.02	.05	.005	15	N	N	N	50	50
H56R0830	.10	.02	.05	.005	10	N	N	N	50	30
H56R0840	.10	.02	.05	.005	20	N	N	N	50	30
H56R0850	.05	.02	.05	.007	15	N	N	N	50	50
H56R0860	.10	.02	.05	.007	15	N	N	N	50	50
H56R0870	1.00	.02	<.05	.010	15	N	N	N	50	70
H56R0880	.70	.02	.07	.010	15	N	N	N	50	50
H56R0890	.10	.02	<.05	.007	10	N	N	N	30	30
H56R0900	.20	.02	<.05	.007	20	N	N	N	30	50
H56R0910	.10	.02	.05	.005	10	N	N	N	50	100
H56R0920	.20	<.02	<.05	.005	20	N	N	N	30	70
H56R0930	1.00	.02	.05	.010	20	N	N	N	50	50
H56R0940	1.00	.05	.07	.015	20	N	N	N	50	100

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H56, 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
H56R0500	<1.0	N	N	N	10	<5	N	<5	N	10	<10
H56R0510	<1.0	N	N	N	20	5	N	5	N	10	100
H56R0520	<1.0	N	N	N	20	7	N	15	N	15	15
H56R0530	<1.0	N	N	N	15	<5	N	10	N	15	<10
H56R0540	1.0	N	N	<5	30	5	N	7	N	15	10
H56R0550	1.0	N	N	<5	20	7	N	7	N	10	<10
H56R0560	1.0	N	N	N	50	5	N	7	N	10	<10
H56R0570	1.0	N	N	N	50	5	N	10	N	15	<10
H56R0580	1.0	N	N	20	50	20	N	15	N	30	20
H56R0590	1.0	N	N	15	20	15	N	20	N	20	10
H56R0600	N	N	N	N	15	<5	N	5	N	10	10
H56R0610	N	N	N	N	15	5	N	7	N	10	50
H56R0620	1.0	N	N	N	15	7	N	5	N	10	<10
H56R0630	1.5	N	N	5	30	15	N	7	N	20	10
H56R0640	<1.0	N	N	5	10	5	N	5	N	10	<10
H56R0650	N	N	N	N	15	<5	N	5	N	10	<10
H56R0660	N	N	N	N	10	20	N	5	N	10	150
H56R0670	<1.0	N	N	5	15	15	N	5	N	10	<10
H56R0680	<1.0	N	N	5	15	70	N	10	N	15	20
H56R0690	<1.0	N	N	<5	15	5	N	5	N	10	20
H56R0700	N	N	N	<5	20	5	N	5	N	10	<10
H56R0710	N	N	N	N	20	10	N	5	N	10	<10
H56R0720	N	N	N	N	15	5	N	<5	N	10	<10
H56R0730	N	N	N	N	10	200	N	<5	N	7	N
H56R0740	N	N	N	N	10	20	N	<5	N	10	N
H56R0750	N	N	N	N	10	<5	N	<5	N	7	N
H56R0760	N	N	N	N	10	<5	N	<5	N	7	N
H56R0770	N	N	N	N	10	<5	N	<5	N	10	N
H56R0780	N	N	N	N	20	<5	N	<5	N	10	N
H56R0790	N	N	N	N	15	<5	N	<5	N	10	N
H56R0800	N	N	N	N	10	5	N	<5	N	10	N
H56R0810	N	N	N	N	10	50	N	5	N	10	N
H56R0820	N	N	N	N	10	<5	N	5	N	10	N
H56R0830	N	N	N	N	10	<5	N	5	N	10	N
H56R0840	N	N	N	N	10	<5	N	<5	N	7	N
H56R0850	N	N	N	N	10	10	N	<5	N	10	N
H56R0860	N	N	N	N	10	<5	N	5	N	10	N
H56R0870	N	N	N	N	10	10	N	5	N	15	N
H56R0880	N	N	N	N	15	50	N	5	N	10	N
H56R0890	<1.0	N	N	N	10	20	N	<5	N	7	N
H56R0900	<1.0	N	N	N	10	20	N	<5	N	7	N
H56R0910	<1.0	N	N	N	10	<5	N	<5	N	10	N
H56R0920	<1.0	N	N	N	10	5	N	<5	N	10	N
H56R0930	<1.0	N	N	N	10	300	N	5	N	10	N
H56R0940	<1.0	N	N	N	10	10	N	5	N	10	N

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H56, 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
H56R0500	N	N	N	<100	10	<50	N	N	<10	N	20
H56R0510	N	N	N	<100	20	<50	N	N	30	N	20
H56R0520	N	N	N	100	15	<50	N	N	50	N	20
H56R0530	N	N	N	N	10	<50	N	N	10	N	20
H56R0540	N	N	N	N	20	<50	N	N	50	N	20
H56R0550	N	<5	N	N	20	<50	N	N	70	N	20
H56R0560	N	<5	N	N	20	<50	N	N	50	N	20
H56R0570	N	N	N	N	20	50	N	N	50	N	20
H56R0580	N	N	N	N	50	100	N	N	100	N	20
H56R0590	N	5	N	N	30	<50	N	N	30	N	20
H56R0600	N	5	N	N	10	<50	N	N	N	N	20
H56R0610	N	N	N	100	10	<50	N	N	10	N	20
H56R0620	N	N	N	N	15	<50	N	N	20	N	20
H56R0630	N	5	N	N	50	<50	N	N	50	N	20
H56R0640	N	N	N	N	10	<50	N	N	10	N	20
H56R0650	N	N	N	N	15	<50	N	N	10	N	20
H56R0660	N	N	N	N	10	<50	N	N	10	N	20
H56R0670	N	N	N	N	20	<50	N	N	50	N	20
H56R0680	N	N	N	N	30	<50	N	N	30	N	20
H56R0690	N	N	N	N	15	<50	N	N	100	N	19
H56R0700	N	N	N	100	20	<50	N	N	50	N	19
H56R0710	N	N	N	<100	10	<50	N	N	<10	N	19
H56R0720	N	N	N	N	<10	<50	N	N	20	N	19
H56R0730	N	N	N	N	10	<50	N	N	20	N	19
H56R0740	N	N	N	200	<10	<50	N	N	N	N	19
H56R0750	N	N	N	<100	10	<50	N	N	30	N	19
H56R0760	N	N	N	N	10	<50	N	N	10	N	19
H56R0770	N	N	N	N	10	<50	N	N	50	N	19
H56R0780	N	N	N	N	20	<50	N	N	50	N	19
H56R0790	N	N	N	N	10	<50	N	N	20	N	19
H56R0800	N	N	N	N	10	<50	N	N	N	N	19
H56R0810	N	N	N	N	10	<50	N	N	N	N	19
H56R0820	N	N	N	N	10	<50	N	N	N	N	19
H56R0830	N	N	N	N	10	<50	N	N	N	N	19
H56R0840	N	N	N	N	10	<50	N	N	N	N	19
H56R0850	N	N	N	N	10	<50	N	N	30	N	19
H56R0860	N	N	N	N	10	<50	N	N	N	N	19
H56R0870	N	N	N	N	10	<50	N	N	10	N	19
H56R0880	N	N	N	N	10	<50	N	N	50	N	19
H56R0890	N	N	N	N	<10	<50	N	N	30	N	19
H56R0900	N	N	N	N	<10	<50	N	N	<10	N	19
H56R0910	N	N	N	N	10	<50	N	N	N	N	18
H56R0920	N	N	N	N	<10	<50	N	N	N	N	18
H56R0930	N	N	N	N	<10	<50	N	N	N	N	18
H56R0940	N	N	N	N	<10	<50	N	N	N	N	18

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H56, 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
H56R0960	.30	<.02	.05	.003	20	N	N	N	50	100
H56R0970	.10	.02	.05	<.002	15	N	N	N	50	100
H56R0980	.10	.03	.05	.005	15	N	N	N	70	50
H56R0990	.20	.02	.05	.007	20	N	N	N	50	50
H56R1000	.30	.02	.10	.007	20	N	N	N	50	70
H56R1010	.50	.02	.10	.005	20	N	N	N	50	50
H56R1020	.20	.02	.05	<.002	20	N	N	N	50	20
H56R1030	.20	.02	.05	.005	20	N	N	N	50	50
H56R1040	.15	.02	.05	.005	20	N	N	N	50	70
H56R1050	.15	.02	.05	.005	15	N	N	N	50	70
H56R1060	.07	.02	.05	.005	15	N	N	N	50	30
H56R1070	.15	.03	.05	.007	10	N	N	N	50	20
H56R1080	.07	.02	.05	.007	10	N	N	N	50	100
H56R1090	.10	.02	.05	.003	10	N	N	N	50	20
H56R1100	.05	.03	.07	.010	10	N	N	N	30	30
H56R1110	.15	.05	.05	.010	10	N	N	N	50	50
H56R1120	.50	.03	<.05	.010	15	N	N	N	30	20
H56R1130	.10	.02	.05	.005	10	N	N	N	50	20
H56R1140	.20	<.02	.05	.002	15	N	N	N	50	50
H56R1150	.20	.02	.05	.010	15	N	N	N	50	70
H56R1160	.07	.03	.05	.005	15	N	N	N	50	50
H56R1170	.20	<.02	.07	.070	15	N	N	N	50	70
H56R1180	.15	.02	.05	.007	10	N	N	N	50	70
H56R1190	.20	.03	.05	.007	15	N	N	N	70	50
H56R1200	.15	.02	.05	.010	10	N	N	N	70	<20
H56R1210	.30	.02	<.05	.010	20	N	N	N	70	<20
H56R1220	<.05	<.02	<.05	.007	10	N	N	N	10	<20
H56R1230	<.05	<.02	<.05	.005	10	N	N	N	10	<20
H56R1240	.05	<.02	<.05	.007	10	N	N	N	10	<20
H56R1250	<.05	<.02	<.05	.007	10	N	N	N	10	<20
H56R1260	<.05	<.02	<.05	.005	10	N	N	N	10	<20
H56R1270	.10	.02	<.05	.010	10	N	N	N	10	<20
H56R1280	.50	.02	<.05	.010	10	N	N	N	10	<20
H56R1290	.30	.02	.05	.007	10	N	N	N	10	50
H56R1300	.70	.03	.07	.007	10	N	N	N	10	30

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H56, 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
H56R0960	<1.0	N	N	N	10	7	N	<5	N	10	N
H56R0970	<1.0	N	N	N	10	5	N	<5	N	10	N
H56R0980	<1.0	N	N	N	10	<5	N	<5	N	10	N
H56R0990	<1.0	N	N	N	10	<5	N	<5	N	10	N
H56R1000	<1.0	N	N	N	10	7	N	<5	N	10	N
H56R1010	<1.0	N	N	N	10	10	N	<5	N	10	N
H56R1020	<1.0	N	N	N	10	30	N	<5	N	10	N
H56R1030	<1.0	N	N	N	10	7	N	<5	N	7	N
H56R1040	<1.0	N	N	N	10	5	N	<5	N	7	N
H56R1050	<1.0	N	N	N	10	<5	N	<5	N	10	N
H56R1060	<1.0	N	N	N	10	<5	N	<5	N	10	N
H56R1070	<1.0	N	N	N	10	50	N	<5	N	10	N
H56R1080	<1.0	N	N	N	10	50	N	<5	N	10	N
H56R1090	<1.0	N	N	N	10	<5	N	<5	N	10	N
H56R1100	<1.0	N	N	N	10	<5	N	<5	N	10	N
H56R1110	<1.0	N	N	N	10	5	N	<5	N	7	N
H56R1120	<1.0	N	N	N	10	<5	N	<5	N	10	N
H56R1130	<1.0	N	N	N	10	7	N	<5	N	10	N
H56R1140	<1.0	N	N	N	10	200	N	<5	N	10	N
H56R1150	<1.0	N	N	N	10	500	N	<5	N	10	N
H56R1160	<1.0	N	N	N	10	10	N	<5	N	10	N
H56R1170	<1.0	N	N	N	10	5	N	<5	N	10	N
H56R1180	<1.0	N	N	N	10	10	N	<5	N	10	N
H56R1190	<1.0	N	N	N	10	5	N	<5	N	10	N
H56R1200	<1.0	N	N	N	10	5	N	<5	N	10	N
H56R1210	<1.0	N	N	N	10	<5	N	<5	N	10	N
H56R1220	<1.0	N	N	N	10	5	N	<5	N	10	N
H56R1230	<1.0	N	N	N	10	<5	N	<5	N	10	N
H56R1240	<1.0	N	N	N	10	<5	N	<5	N	10	N
H56R1250	<1.0	N	N	N	10	<5	N	<5	N	10	N
H56R1260	<1.0	N	N	N	10	<5	N	<5	N	10	N
H56R1270	<1.0	N	N	N	10	5	N	<5	N	10	N
H56R1280	<1.0	N	N	N	10	15	N	<5	N	15	N
H56R1290	<1.0	N	N	N	10	15	N	<5	N	10	N
H56R1300	<1.0	N	N	N	10	<5	N	<5	N	10	N

TABLE 2.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H56, 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
H56R0960	N	N	N	N	<10	<50	N	N	N	N	18
H56R0970	N	N	N	N	<10	<50	N	N	N	N	18
H56R0980	N	N	N	N	<10	<50	N	N	N	N	18
H56R0990	N	N	N	N	<10	<50	N	N	N	N	18
H56R1000	N	N	N	N	<10	<50	N	N	N	N	18
H56R1010	N	N	N	N	<10	<50	N	N	N	N	18
H56R1020	N	N	N	N	<10	<50	N	N	N	N	18
H56R1030	N	N	N	N	10	<50	N	N	N	N	18
H56R1040	N	N	N	N	<10	<50	N	N	N	N	18
H56R1050	N	N	N	N	<10	<50	N	N	N	N	18
H56R1060	N	N	N	N	<10	<50	N	N	N	N	18
H56R1070	N	N	N	N	<10	<50	N	N	N	N	18
H56R1080	N	N	N	100	<10	<50	N	N	N	N	18
H56R1090	N	N	N	N	<10	<50	N	N	N	N	18
H56R1100	N	N	N	N	10	<50	N	N	N	N	18
H56R1110	N	N	N	N	20	<50	N	N	N	N	18
H56R1120	N	N	N	N	10	<50	N	N	N	N	18
H56R1130	N	N	N	N	<10	<50	N	N	N	N	18
H56R1140	N	N	N	N	<10	<50	N	N	N	N	18
H56R1150	N	N	N	N	10	<50	N	N	N	N	18
H56R1160	N	N	N	N	10	<50	N	N	N	N	18
H56R1170	N	N	N	N	<10	<50	N	N	N	N	18
H56R1180	N	N	N	N	<10	<50	N	N	N	N	18
H56R1190	N	N	N	N	10	<50	N	N	N	N	18
H56R1200	N	N	N	N	<10	<50	N	N	N	N	18
H56R1210	N	N	N	N	10	<50	N	N	50	N	18
H56R1220	N	N	N	N	<10	<50	N	N	30	N	18
H56R1230	N	N	N	N	<10	<50	N	N	30	N	17
H56R1240	N	N	N	N	<10	<50	N	N	50	N	17
H56R1250	N	N	N	N	<10	<50	N	N	15	N	17
H56R1260	N	N	N	N	<10	<50	N	N	50	N	17
H56R1270	N	N	N	N	15	<50	N	N	30	N	16
H56R1280	N	N	N	N	<10	<50	N	N	30	N	16
H56R1290	N	N	N	N	<10	<50	N	N	N	N	16
H56R1300	N	N	N	N	<10	<50	N	N	N	N	16

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H57, 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
H57R0080	.20	.70	2.00	.020	100	N	N	N	70	50
H57R0090	.20	.50	2.00	.030	30	N	N	N	100	150
H57R0100	.20	.20	1.50	.030	20	N	N	N	70	200
H57R0110	.20	.20	1.50	.020	30	N	N	N	70	100
H57R0120	.15	.20	2.00	.020	20	N	N	N	50	200
H57R0130	.07	.05	2.00	.010	20	N	N	N	70	700
H57R0140	.10	.02	2.00	.015	20	N	N	N	50	150
H57E0150	.15	.03	2.00	.015	30	N	N	N	50	700
H57R0160	.15	.02	2.00	.015	30	N	N	N	30	1,500
H57R0170	7.00	.02	.15	.015	150	N	N	N	30	>5,000
H57R0180	10.00	.02	.10	.150	100	N	N	N	50	>5,000
H57R0190	20.00	<.02	.10	.070	100	N	N	N	100	>5,000
H57R0195	>20.00	.02	.10	.070	500	N	N	N	100	>5,000
H57R0210	1.00	.50	1.00	.020	20	N	N	N	100	1,000
H57R0220	1.50	1.00	1.00	.200	50	N	N	N	200	300
H57R0230	.30	.70	1.00	.100	15	N	N	N	100	200
H57R0240	.20	.50	.50	.070	10	N	N	N	100	200
H57R0250	1.00	.30	.20	.020	15	N	N	N	100	2,000
H57R0260	.50	.10	.10	.020	10	N	N	N	100	1,000
H57R0270	.70	.50	.10	.100	20	N	N	N	100	500
H57R0280	1.00	.50	.10	.150	15	N	N	N	100	150
H57R0290	1.00	.70	.20	.300	30	N	N	N	150	300
H57R0300	1.00	.30	.20	.070	15	N	N	N	100	100
H57R0310	.20	.10	.10	.020	10	N	N	N	100	150
H57R0320	.70	.15	.15	.050	10	N	N	N	100	200
H57R0340	.50	.07	.07	.070	150	N	N	N	70	150
H57R0350	.50	.10	.05	.070	50	N	N	N	50	150
H57R0360	.70	.07	.05	.050	30	N	N	N	50	200
H57R0370	.30	.10	.05	.070	20	N	N	N	70	200
H57R0380	1.00	.15	.05	.100	20	N	N	N	70	150
H57R0390	5.00	.50	.07	.150	30	N	N	N	100	200
H57R0400	5.00	.20	.05	.100	20	N	N	N	100	200
H57R0410	1.00	.20	.05	.150	20	N	N	N	100	200
H57R0420	1.00	.10	.05	.100	15	N	N	N	70	200
H57R0430	5.00	.20	.05	.300	30	N	N	N	150	500
H57R0440	1.50	.30	.05	.300	10	N	N	N	100	700
H57R0450	.15	.05	.05	.030	30	N	N	N	50	100
H57R0460	1.00	.10	.07	.050	20	N	N	N	70	150
H57R0470	1.00	.50	.10	.200	30	N	N	N	100	300
H57R0480	.70	.50	.10	.200	30	N	N	N	100	150
H57R0490	2.00	.70	.15	.300	15	N	N	N	150	300
H57R0500	1.00	.10	.05	.100	10	N	N	N	70	100
H57R0510	.50	.20	.15	.100	15	N	N	N	100	100
H57R0520	.70	.50	.30	.100	15	N	N	N	100	150
H57R0530	1.50	.30	.50	.030	10	N	N	N	70	100

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H57, 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
H57R0080	<1.0	N	N	10	10	<5	N	<5	N	50	N
H57R0090	<1.0	N	N	7	10	<5	N	N	N	30	N
H57R0100	<1.0	N	N	<5	10	<5	N	N	N	15	N
H57R0110	<1.0	N	N	7	10	<5	N	N	N	20	N
H57R0120	<1.0	N	N	5	10	<5	N	<5	N	20	N
H57R0130	<1.0	N	N	N	<10	<5	N	<5	N	10	N
H57R0140	<1.0	N	N	N	<10	<5	N	<5	N	10	N
H57E0150	<1.0	N	N	N	10	<5	N	N	N	10	N
H57R0160	N	N	N	N	10	<5	N	<5	N	15	N
H57R0170	<1.0	N	N	5	10	<5	N	N	N	100	N
H57R0180	<1.0	N	N	7	15	20	N	N	N	150	N
H57R0190	<1.0	N	N	30	10	20	N	<5	N	300	N
H57R0195	N	N	N	50	100	150	N	<5	N	200	N
H57R0210	<1.0	N	N	N	<10	150	N	<5	N	7	N
H57R0220	1.5	N	N	7	70	5	N	7	N	50	<10
H57R0230	1.0	N	N	<5	20	15	N	<5	N	10	N
H57R0240	1.0	N	N	N	10	5	N	N	N	7	N
H57R0250	1.0	N	N	N	10	5	N	N	N	10	N
H57R0260	<1.0	N	N	N	10	5	N	N	N	10	N
H57R0270	1.0	N	N	N	20	<5	N	N	N	10	N
H57R0280	1.0	N	N	N	15	7	N	<5	N	10	N
H57R0290	1.5	N	N	N	50	7	N	N	N	10	N
H57R0300	1.0	N	N	N	20	7	N	N	N	10	<10
H57R0310	<1.0	N	N	N	10	<5	N	<5	N	10	N
H57R0320	<1.0	N	N	N	15	15	N	5	N	15	<10
H57R0340	<1.0	N	N	N	30	5	N	<5	N	7	N
H57R0350	1.0	N	N	N	20	10	N	N	N	10	N
H57R0360	1.0	N	N	N	20	10	N	<5	N	10	N
H57R0370	<1.0	N	N	N	20	7	N	<5	N	10	N
H57R0380	1.0	N	N	5	30	20	N	5	N	50	10
H57R0390	1.5	N	N	7	70	50	N	<5	N	70	50
H57R0400	1.0	N	N	5	50	50	N	N	N	20	30
H57R0410	<1.0	N	N	5	70	10	N	<5	N	20	N
H57R0420	<1.0	N	N	<5	50	10	N	<5	N	15	<10
H57R0430	1.0	N	N	10	70	50	N	5	N	70	50
H57R0440	1.0	N	N	5	70	15	N	<5	N	30	N
H57R0450	<1.0	N	N	N	15	<5	N	<5	N	7	N
H57R0460	<1.0	N	N	N	50	7	N	N	N	7	N
H57R0470	1.5	N	N	5	70	15	N	<5	N	15	20
H57R0480	1.5	N	N	<5	50	10	N	N	N	15	10
H57R0490	1.5	N	N	7	100	200	N	5	N	20	30
H57R0500	<1.0	N	N	N	20	15	N	5	N	10	N
H57R0510	N	N	N	<5	30	7	N	5	N	10	N
H57R0520	1.0	N	N	<5	20	30	N	5	N	10	10
H57R0530	<1.0	N	N	<5	10	15	N	7	N	10	N

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H57, 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
H57R0080	N	N	N	N	20	<50	N	200	<10	N	31
H57R0090	N	N	N	N	20	<50	N	N	150	N	31
H57R0100	N	N	N	N	15	<50	N	N	N	N	31
H57R0110	N	N	N	<100	15	<50	N	<200	N	N	31
H57R0120	N	N	N	N	20	<50	N	N	N	N	31
H57R0130	N	N	N	N	10	<50	N	N	N	N	31
H57R0140	N	N	N	N	15	<50	N	N	N	N	31
H57E0150	N	N	N	<100	15	<50	N	N	N	N	31
H57R0160	N	N	N	<100	10	<50	N	N	N	N	31
H57R0170	N	N	N	200	15	<50	N	<200	N	N	31
H57R0180	N	N	N	300	20	<50	N	300	100	N	31
H57R0190	N	N	N	N	15	<50	N	500	50	N	31
H57R0195	N	N	N	100	20	<50	N	1,000	30	N	31
H57R0210	N	N	N	100	10	<50	N	200	<10	N	21
H57R0220	N	5	N	<100	50	<50	N	<200	50	N	21
H57R0230	N	N	N	<100	20	<50	N	300	100	N	21
H57R0240	N	N	N	<100	20	<50	N	<200	100	N	21
H57R0250	N	N	N	150	10	<50	N	300	10	N	21
H57R0260	N	N	N	150	10	<50	N	200	<10	N	21
H57R0270	N	N	N	100	20	<50	N	<200	50	N	21
H57R0280	N	<5	N	100	30	<50	N	<200	50	N	21
H57R0290	N	5	N	<100	70	<50	N	200	100	N	21
H57R0300	N	<5	N	200	10	<50	N	500	70	N	21
H57R0310	N	N	N	200	<10	<50	N	N	15	N	21
H57R0320	N	N	N	200	15	<50	N	N	30	N	21
H57R0340	N	N	N	500	10	<50	N	N	20	N	21
H57R0350	N	N	N	200	15	<50	N	<200	50	N	21
H57R0360	N	N	N	700	15	<50	N	<200	30	N	21
H57R0370	N	N	N	300	15	<50	N	N	50	N	21
H57R0380	N	<5	N	100	15	<50	N	N	50	N	21
H57R0390	N	5	N	100	70	<50	N	N	50	N	21
H57R0400	N	<5	N	200	50	<50	N	N	50	N	21
H57R0410	N	<5	N	150	30	<50	N	N	50	N	21
H57R0420	N	N	N	100	20	<50	N	N	30	N	21
H57R0430	N	5	N	<100	50	<50	N	N	100	N	21
H57R0440	N	5	N	<100	50	<50	N	N	100	N	21
H57R0450	N	N	N	200	10	<50	N	N	20	N	21
H57R0460	N	N	N	<100	20	<50	N	N	50	N	21
H57R0470	N	5	N	<100	50	<50	N	N	100	N	21
H57R0480	N	<5	N	<100	50	<50	N	N	100	N	21
H57R0490	N	7	N	<100	100	<50	N	N	100	N	21
H57R0500	N	N	N	<100	15	<50	N	N	50	N	21
H57R0510	N	N	N	150	15	<50	N	N	30	N	21
H57R0520	N	N	N	200	20	<50	N	N	50	N	21
H57R0530	N	N	N	200	<10	<50	N	N	15	N	21

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H57, 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
H57R0540	1.50	.70	.50	.150	15	N	N	N	100	200
H57R0550	1.50	.70	.50	.300	20	N	N	N	200	200
H57R0560	5.00	.20	.10	.300	30	N	200	N	100	200
H57R0570	1.50	.70	.30	.300	30	N	N	N	100	300
H57R0580	1.00	.30	.10	.150	20	N	N	N	100	150
H57R0590	1.50	.50	.30	.500	150	N	N	N	100	200
H57R0600	1.00	.30	.15	.100	20	N	N	N	50	150
H57R0610	.30	.20	.15	.050	15	N	N	N	70	100
H57R0620	.50	.30	.15	.150	15	N	N	N	100	100
H57R0630	.50	.20	.20	.070	15	N	N	N	70	100
H57R0640	1.00	.50	.15	.150	20	N	N	N	100	150
H57R0650	1.50	.50	.30	.150	30	N	N	N	100	150
H57R0660	2.00	.70	.50	.200	30	N	N	N	100	200
H57R0670	.30	.10	.15	.070	10	N	N	N	50	50
H57R0680	.70	2.00	5.00	.150	20	N	<200	N	100	150
H57R0690	1.00	.30	.20	.150	20	N	N	N	100	300
H57R0700	1.00	.70	.20	.200	20	N	N	N	100	200
H57R0710	1.50	.70	1.50	.200	20	N	N	N	70	150
H57R0720	.50	.20	.20	.050	10	N	N	N	70	70
H57R0730	2.00	1.00	2.00	.200	50	N	N	N	100	500
H57R0740	1.00	.30	.50	.100	20	N	N	N	50	150
H57R0750	1.50	.70	1.50	.200	20	N	N	N	70	150
H57R0760	2.00	.30	.50	.200	50	N	N	N	70	150
H57R0770	.70	.10	.15	.050	10	N	N	N	50	100
H57R0780	.20	.02	.05	.010	10	N	N	N	50	50
H57R0790	.70	.10	.15	.030	15	N	N	N	70	100
H57R0800	.50	.07	.10	.070	20	N	N	N	70	100
H57R0810	.50	.07	.10	.070	20	N	N	N	50	100
H57R0820	.50	.70	1.00	.050	15	N	N	N	70	70
H57R0830	.50	.30	1.00	.050	20	N	N	N	70	70
H57R0840	.30	.20	.20	.070	50	N	N	N	100	100
H57R0850	.70	.20	1.00	.100	70	N	N	N	70	100
H57R0860	1.50	.50	1.50	.070	20	N	N	N	70	100
H57R0870	.50	.30	1.00	.150	30	N	N	N	100	150
H57R0880	.20	.10	.15	.020	10	N	N	N	50	50
H57R0890	.15	.05	.15	.007	10	N	N	N	70	20
H57R0900	.50	.05	.10	.015	10	N	N	N	50	50
H57R0910	.30	.50	1.00	.070	10	N	N	N	70	100
H57R0920	.20	.30	1.00	.070	10	N	N	N	50	100
H57R0930	.20	.20	.10	.070	20	N	N	N	50	100
H57R0940	.50	.05	.10	.050	20	N	N	N	50	30
H57R0950	1.50	.10	.15	.050	20	N	N	N	50	50
H57R0960	.30	.50	.50	.200	30	N	N	N	70	100
H57R0970	.50	.10	.15	.050	30	N	N	N	50	50
H57R0980	1.00	.20	.15	.100	20	N	N	N	50	100

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H57, 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
H57R0540	1.0	N	N	5	30	100	N	10	N	15	10
H57R0550	1.0	N	N	15	50	30	N	15	N	30	20
H57R0560	1.0	N	N	10	50	100	N	30	N	50	100
H57R0570	1.0	N	N	10	50	20	N	15	N	30	20
H57R0580	<1.0	N	N	<5	50	15	N	10	N	15	10
H57R0590	1.0	N	N	10	70	20	N	30	N	30	20
H57R0600	<1.0	N	N	<5	20	15	N	10	N	10	<10
H57R0610	<1.0	N	N	N	30	5	N	<5	N	10	<10
H57R0620	1.0	N	N	N	20	10	N	10	N	15	<10
H57R0630	<1.0	N	N	N	10	7	N	10	N	10	<10
H57R0640	1.0	N	N	<5	20	10	N	10	N	15	15
H57R0650	1.0	N	N	7	50	15	N	10	N	20	100
H57R0660	1.0	N	N	20	50	20	N	15	N	30	50
H57R0670	<1.0	N	N	N	20	7	N	20	N	10	<10
H57R0680	1.0	N	N	<5	30	15	N	20	N	15	30
H57R0690	<1.0	N	N	7	50	50	N	20	N	20	1,000
H57R0700	1.0	N	N	10	50	20	N	15	N	20	50
H57R0710	<1.0	N	N	5	20	15	N	20	N	20	15
H57R0720	<1.0	N	N	<5	30	5	N	10	N	7	15
H57R0730	1.0	N	N	7	50	30	N	15	N	30	15
H57R0740	<1.0	N	N	<5	30	20	N	15	N	15	10
H57R0750	1.0	N	N	10	50	20	N	50	N	20	1,500
H57R0760	1.0	N	N	15	50	30	N	200	N	50	20
H57R0770	<1.0	N	N	N	20	5	N	20	N	7	<10
H57R0780	<1.0	N	N	N	10	<5	N	<5	N	7	N
H57R0790	<1.0	N	N	N	50	5	N	10	N	7	N
H57R0800	<1.0	N	N	N	50	5	N	<5	N	10	N
H57R0810	1.0	N	N	N	100	<5	N	<5	N	10	150
H57R0820	1.0	N	N	N	50	<5	N	10	N	7	N
H57R0830	<1.0	N	N	N	100	5	N	15	N	10	N
H57R0840	<1.0	N	N	N	70	5	N	10	N	10	N
H57R0850	1.0	N	N	<5	100	10	N	15	N	10	N
H57R0860	<1.0	N	N	N	10	10	N	10	N	10	10
H57R0870	1.0	N	N	<5	100	20	N	20	N	20	20
H57R0880	<1.0	N	N	N	10	7	N	5	N	10	<10
H57R0890	<1.0	N	N	N	10	<5	N	<5	N	5	N
H57R0900	<1.0	N	N	N	30	7	N	5	N	5	15
H57R0910	1.0	N	N	5	30	5	N	5	N	15	N
H57R0920	1.0	N	N	N	30	5	N	5	N	7	N
H57R0930	1.0	N	N	N	30	7	N	5	N	7	N
H57R0940	<1.0	N	N	N	50	<5	N	7	N	7	N
H57R0950	<1.0	N	N	N	500	5	N	30	N	7	N
H57R0960	1.0	N	N	5	300	15	N	20	N	10	<10
H57R0970	<1.0	N	N	N	200	15	N	15	N	7	100
H57R0980	<1.0	N	N	N	50	7	N	5	N	10	<10

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H57, 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
H57R0540	N	5	N	<100	30	<50	N	N	100	N	21
H57R0550	N	5	N	N	30	<50	N	1,000	100	N	21
H57R0560	N	5	N	N	30	<50	N	1,500	200	N	21
H57R0570	N	5	N	N	30	<50	N	300	100	N	21
H57R0580	N	N	N	N	20	<50	N	1,000	50	N	21
H57R0590	N	5	N	N	30	<50	N	300	100	N	21
H57R0600	N	<5	N	N	15	<50	N	<200	100	N	21
H57R0610	N	N	N	N	15	<50	N	N	30	N	21
H57R0620	N	N	N	N	20	<50	N	<200	50	N	21
H57R0630	N	N	N	N	15	<50	N	N	30	N	21
H57R0640	N	<5	N	N	20	<50	N	N	150	N	21
H57R0650	N	<5	N	N	20	<50	N	N	100	N	21
H57R0660	N	<5	N	N	30	<50	N	N	70	N	21
H57R0670	N	N	N	N	20	<50	N	N	30	N	21
H57R0680	N	5	N	N	30	<50	N	N	50	N	21
H57R0690	N	<5	N	N	20	<50	N	1,000	100	N	21
H57R0700	N	5	N	N	50	<50	N	N	100	N	21
H57R0710	N	<5	N	N	30	<50	N	N	70	N	21
H57R0720	N	N	N	N	15	<50	N	N	50	N	21
H57R0730	N	5	N	N	50	<50	N	N	100	N	21
H57R0740	N	N	N	N	15	<50	N	700	50	N	21
H57R0750	N	5	N	N	20	<50	N	<200	50	N	21
H57R0760	N	<5	N	N	30	<50	N	N	70	N	21
H57R0770	N	N	N	N	15	<50	N	N	20	N	21
H57R0780	N	N	N	N	10	<50	N	N	N	N	20
H57R0790	N	N	N	N	20	<50	N	N	10	N	20
H57R0800	N	N	N	N	20	<50	N	N	10	N	20
H57R0810	N	N	N	N	20	<50	N	N	20	N	20
H57R0820	N	N	N	N	20	<50	N	N	20	N	20
H57R0830	N	N	N	N	20	<50	N	N	20	N	20
H57R0840	N	N	N	N	20	<50	N	N	20	N	20
H57R0850	N	N	N	N	20	<50	N	N	50	N	20
H57R0860	N	N	N	N	15	<50	N	N	20	N	20
H57R0870	N	N	N	N	50	<50	N	N	30	N	20
H57R0880	N	N	N	N	15	<50	N	N	N	N	20
H57R0890	N	N	N	N	10	<50	N	N	N	N	20
H57R0900	N	N	N	N	10	<50	N	N	<10	N	20
H57R0910	N	N	N	N	30	<50	N	N	30	N	20
H57R0920	N	N	N	N	30	<50	N	N	50	N	20
H57R0930	N	N	N	N	30	<50	N	N	50	N	20
H57R0940	N	N	N	N	10	<50	N	N	10	N	20
H57R0950	N	N	N	N	15	<50	N	N	10	N	20
H57R0960	N	<5	N	N	50	<50	N	N	50	N	20
H57R0970	N	N	N	N	10	<50	N	N	<10	N	20
H57R0980	N	N	N	N	20	<50	N	N	50	N	19

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H57, 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
H57R0990	.20	.05	.07	.020	10	N	N	N	20	50
H57R1000	.15	.02	.05	.007	15	N	N	N	20	30
H57R1010	.50	.07	.07	.050	10	N	N	N	70	100
H57R1020	.20	.05	.05	.010	10	N	N	N	50	70
H57R1030	.10	<.02	.05	.010	15	N	N	N	30	50
H57R1040	.20	.02	.05	.015	10	N	N	N	50	50
H57R1050	.15	<.02	<.05	.010	10	N	N	N	30	20
H57R1060	.20	<.02	<.05	.010	10	N	N	N	30	30
H57R1070	.20	.02	<.05	.007	15	N	N	N	50	50
H57R1080	.30	.03	<.05	.030	20	N	N	N	50	20
H57R1090	.20	.02	<.05	.010	10	N	N	N	50	30
H57R1100	.15	.02	.05	.020	20	N	N	N	50	50
H57R1110	.15	.02	<.05	.010	10	N	N	N	50	50
H57R1120	.70	.02	<.05	.030	30	N	N	N	50	70
H57R1130	.20	.03	.05	.010	20	N	N	N	30	50
H57R1140	.10	<.02	<.05	.015	20	N	N	N	20	20
H5741150	.30	.02	<.05	.015	15	N	N	N	30	50
H57R1160	.20	.02	<.05	.010	20	N	N	N	20	20
H57R1170	.30	.02	<.05	.020	15	N	N	N	20	50
H57R1180	.15	.02	<.05	.015	20	N	N	N	20	20
H57R1190	.10	<.02	.05	.005	10	N	N	N	50	100
H57R1200	1.00	<.02	<.05	.005	15	N	200	N	20	20
H57R1210	1.50	.02	<.05	.050	50	N	N	N	50	30
H57R1220	.50	<.02	<.05	.020	30	N	N	N	30	20
H57R1230	.15	<.02	<.05	.020	30	N	N	N	20	50
H57R1240	1.00	.02	.05	.010	20	N	N	N	50	100
H57R1250	.70	.02	.05	.002	10	N	N	N	50	150
H57R1260	.30	<.02	.07	.002	10	N	N	N	50	100
H57R1270	.50	.02	.05	.010	20	N	N	N	50	100
H57R1280	.10	.02	.05	.010	10	N	N	N	50	20
H57R1290	.05	.05	.10	.010	10	N	N	N	50	70
H57R1300	.15	.02	<.05	.003	10	N	N	N	50	100
H57R1310	.20	.02	<.05	.015	15	N	N	N	50	100
H57R1320	.10	.02	<.05	.030	20	N	N	N	50	100
H57R1330	.10	.20	.50	.020	20	N	N	N	50	70
H57R1340	.20	.02	.05	.005	10	N	N	N	50	100
H57R1350	.20	.02	.05	.015	15	N	N	N	50	150
H57R1360	.20	.03	.05	.020	15	N	N	N	50	100
H57R1370	.30	.10	.07	.020	15	N	N	N	50	70
H57R1380	.50	.02	<.05	.010	15	N	N	N	50	50
H57R1390	.30	.02	<.05	.010	15	N	N	N	50	20
H57R1400	.30	.02	<.05	.015	20	N	N	N	50	50
H57R1410	.30	.05	.05	.010	15	N	N	N	50	100
H57R1420	.50	.07	.05	.050	50	N	N	N	50	50
H57R1430	.20	.02	<.05	.010	15	N	N	N	50	150

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H57, 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
H57R0990	<1.0	N	N	N	30	<5	N	5	N	10	N
H57R1000	N	N	N	N	50	<5	N	5	N	10	<10
H57R1010	<1.0	N	N	N	10	10	N	7	N	10	N
H57R1020	<1.0	N	N	N	50	<5	N	7	N	10	N
H57R1030	N	N	N	N	50	<5	N	5	N	10	N
H57R1040	N	N	N	N	50	<5	N	7	N	10	50
H57R1050	N	N	N	N	50	<5	N	10	N	10	<10
H57R1060	N	N	N	N	50	<5	N	5	N	10	N
H57R1070	<1.0	N	N	N	70	<5	N	7	N	10	N
H57R1080	N	N	N	N	100	<5	N	10	N	10	<10
H57R1090	N	N	N	N	50	5	N	10	N	10	<10
H57R1100	N	N	N	N	100	<5	N	7	N	10	<10
H57R1110	<1.0	N	N	N	20	<5	N	7	N	10	<10
H57R1120	N	N	N	N	300	7	N	30	N	15	15
H57R1130	N	N	N	N	70	5	N	15	N	7	N
H57R1140	N	N	N	N	70	<5	N	7	N	7	N
H5741150	N	N	N	N	100	<5	N	30	N	10	N
H57R1160	N	N	N	N	100	7	N	20	N	7	N
H57R1170	N	N	N	N	200	<5	N	20	N	7	N
H57R1180	N	N	N	N	100	<5	N	10	N	7	N
H57R1190	N	N	N	N	10	<5	N	5	N	7	N
H57R1200	N	N	N	5	10	10	N	15	N	15	20
H57R1210	N	N	N	5	200	7	N	20	N	15	15
H57R1220	N	N	N	N	150	<5	N	10	N	10	300
H57R1230	N	N	N	N	50	5	N	5	N	7	15
H57R1240	N	N	N	<5	70	15	N	20	N	20	30
H57R1250	N	N	N	N	15	15	N	15	N	15	70
H57R1260	N	N	N	N	15	7	N	7	N	15	<10
H57R1270	N	N	N	N	70	5	N	10	N	20	<10
H57R1280	N	N	N	N	50	<5	N	15	N	5	N
H57R1290	N	N	N	N	15	<5	N	5	N	5	10
H57R1300	N	N	N	N	150	<5	N	20	N	7	10
H57R1310	N	N	N	N	500	5	N	30	N	7	<10
H57R1320	N	N	N	N	200	<5	N	10	N	5	<10
H57R1330	N	N	N	N	70	<5	N	10	N	7	70
H57R1340	N	N	N	N	100	<5	N	15	N	7	20
H57R1350	N	N	N	N	70	5	N	10	N	7	<10
H57R1360	N	N	N	N	150	<5	N	15	N	5	<10
H57R1370	N	N	N	N	150	5	N	20	N	10	<10
H57R1380	N	N	N	N	300	5	N	50	N	10	<10
H57R1390	N	N	N	N	150	5	N	30	N	10	N
H57R1400	N	N	N	N	200	5	N	50	N	10	<10
H57R1410	N	N	N	N	100	5	N	20	N	10	10
H57R1420	N	N	N	N	300	15	N	50	N	10	<10
H57R1430	N	N	N	N	150	<5	N	20	N	10	<10

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H57, 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
H57R0990	N	N	N	N	10	<50	N	N	20	N	19
H57R1000	N	N	N	<100	<10	<50	N	N	30	N	19
H57R1010	N	N	N	<100	20	<50	N	N	30	N	19
H57R1020	N	N	N	<100	<10	<50	N	N	N	N	19
H57R1030	N	N	N	N	<10	<50	N	N	N	N	19
H57R1040	N	N	N	N	<10	<50	N	N	10	N	19
H57R1050	N	N	N	N	<10	<50	N	<200	15	N	19
H57R1060	N	N	N	N	10	<50	N	N	10	N	19
H57R1070	N	N	N	N	10	<50	N	N	50	N	19
H57R1080	N	N	N	N	10	<50	N	N	20	N	19
H57R1090	N	N	N	N	10	<50	N	N	30	N	19
H57R1100	N	N	N	N	10	<50	N	N	10	N	19
H57R1110	N	N	N	N	10	<50	N	N	10	N	19
H57R1120	N	N	N	N	20	<50	N	N	30	N	19
H57R1130	N	N	N	N	10	<50	N	N	20	N	19
H57R1140	N	N	N	N	10	<50	N	N	20	N	19
H5741150	N	N	N	N	15	<50	N	N	20	N	19
H57R1160	N	N	N	N	10	<50	N	N	10	N	18
H57R1170	N	N	N	N	10	<50	N	N	20	N	18
H57R1180	N	N	N	N	<10	<50	N	N	20	N	18
H57R1190	N	N	N	N	<10	<50	N	N	N	N	18
H57R1200	N	N	N	N	10	<50	N	N	10	N	18
H57R1210	N	N	N	N	15	<50	N	N	100	N	18
H57R1220	N	N	N	N	10	<50	N	N	N	N	18
H57R1230	N	N	N	N	10	<50	N	N	N	N	18
H57R1240	N	N	N	N	15	<50	N	N	15	N	18
H57R1250	N	N	N	N	10	<50	N	N	10	N	18
H57R1260	N	N	N	N	10	<50	N	N	N	N	18
H57R1270	N	N	N	N	10	<50	N	N	N	N	18
H57R1280	N	N	N	N	10	<50	N	N	N	N	18
H57R1290	N	N	N	N	<10	<50	N	N	N	N	18
H57R1300	N	N	N	N	10	<50	N	N	N	N	18
H57R1310	N	N	N	N	10	<50	N	N	N	N	18
H57R1320	N	N	N	N	10	<50	N	N	N	N	18
H57R1330	N	N	N	N	20	<50	N	N	N	N	18
H57R1340	N	N	N	N	10	<50	N	N	N	N	18
H57R1350	N	N	N	N	10	<50	N	N	N	N	18
H57R1360	N	N	N	N	10	<50	N	N	N	N	18
H57R1370	N	N	N	N	15	<50	N	N	N	N	18
H57R1380	N	N	N	N	15	<50	N	N	N	N	18
H57R1390	N	N	N	N	10	<50	N	N	N	N	18
H57R1400	N	N	N	N	15	<50	N	N	N	N	18
H57R1410	N	N	N	N	10	<50	N	N	N	N	18
H57R1420	N	N	N	N	10	<50	N	N	N	N	18
H57R1430	N	N	N	N	10	<50	N	N	20	N	18

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H57, 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
H57R1440	.50	.02	<.05	.007	15	N	N	N	50	150
H57R1450	.50	.03	.05	.005	10	N	N	N	50	300
H57R1460	1.00	.05	<.05	.050	20	N	N	N	50	100
H57R1470	1.00	.10	.05	.070	70	N	N	N	50	150
H57R1480	1.00	.05	.05	.050	50	N	N	N	50	150
H57R1490	.70	.07	.15	.020	20	N	N	N	50	70
H57R1500	.30	.05	.05	.010	20	N	N	N	50	30
H57R1510	.20	<.02	<.05	<.002	10	N	N	N	50	70
H57R1520	.07	<.02	<.05	.100	150	N	N	N	70	30
H57R1530	.20	<.02	<.05	.020	50	N	N	N	30	30
H57R1540	15.00	.07	.05	.010	50	N	500	N	50	50
H57R1550	.07	<.02	<.05	.005	10	N	N	N	10	<20
H57R1560	.10	<.02	<.05	.005	10	N	N	N	10	N
H57R1570	<.05	<.02	<.05	.003	10	N	N	N	10	N
H57R1580	.05	<.02	<.05	.007	10	N	N	N	10	N
H57R1590	<.05	<.02	<.05	.005	10	N	N	N	10	N
H57R1600	<.05	<.02	<.05	.005	10	N	N	N	10	N
H57R1610	.20	.02	<.05	.030	10	N	N	N	20	20

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H57, 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
H57R1440	N	N	N	N	100	5	N	30	N	10	<10
H57R1450	N	N	N	<5	30	10	N	20	N	10	<10
H57R1460	N	N	N	<5	50	7	N	100	N	10	<10
H57R1470	<1.0	N	N	N	200	15	N	200	N	10	N
H57R1480	<1.0	N	N	N	200	10	N	100	N	10	200
H57R1490	N	N	N	N	30	10	N	20	N	10	N
H57R1500	N	N	N	N	70	<5	N	30	N	10	N
H57R1510	N	N	N	N	50	<5	N	15	N	7	N
H57R1520	N	N	N	N	200	<5	N	7	N	7	N
H57R1530	N	N	N	N	300	50	N	20	N	7	N
H57R1540	1.0	N	N	N	100	50	N	50	N	10	<10
H57R1550	N	N	N	N	10	<5	N	<5	N	5	N
H57R1560	N	N	N	N	50	<5	N	7	N	5	N
H57R1570	N	N	N	N	30	<5	N	5	N	5	N
H57R1580	N	N	N	N	70	<5	N	10	N	5	N
H57R1590	N	N	N	N	30	5	N	5	N	5	N
H57R1600	N	N	N	N	10	<5	N	<5	N	7	N
H57R1610	N	N	N	N	15	<5	N	<5	N	5	N

TABLE 3.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H57, 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
H57R1440	N	N	N	N	10	<50	N	N	N	N	18
H57R1450	N	N	N	200	10	<50	N	N	N	N	18
H57R1460	N	N	N	N	15	<50	N	N	N	N	18
H57R1470	N	N	N	200	50	<50	N	N	10	N	18
H57R1480	N	N	N	150	20	<50	N	N	20	N	18
H57R1490	N	N	N	<100	10	<50	N	N	N	N	18
H57R1500	N	N	N	N	<10	<50	N	N	N	N	18
H57R1510	N	N	N	<100	<10	<50	N	N	N	N	18
H57R1520	N	N	N	N	<10	<50	N	N	N	N	18
H57R1530	N	N	N	N	<10	<50	N	N	N	N	18
H57R1540	N	N	N	N	50	<50	N	200	N	N	18
H57R1550	N	N	N	N	<10	<50	N	<200	50	N	17
H57R1560	N	N	N	N	<10	<50	N	N	10	N	17
H57R1570	N	N	N	N	<10	<50	N	N	200	N	17
H57R1580	N	N	N	N	<10	<50	N	N	10	N	17
H57R1590	N	N	N	N	<10	<50	N	N	100	N	17
H57R1600	N	N	N	N	<10	<50	N	N	10	N	17
H57R1610	N	N	N	N	10	<50	N	N	50	N	16

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H58, 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
H58R0010	.30	.05	<.05	.050	500	N	N	N	70	70
H58R0020	.50	.05	.20	.050	500	N	N	N	50	50
H58R0030	.15	<.02	.15	.010	20	N	N	N	50	50
H58R0040	.10	.03	.50	.015	100	N	N	N	50	30
H58R0050	.20	.05	.50	.020	10	N	N	N	50	50
H58R0060	.50	.20	.50	.015	10	N	N	N	50	50
H58R0070	.15	.30	1.00	.010	15	N	N	N	50	30
H58R0080	.20	.30	1.00	.015	20	N	N	N	70	30
H58R0090	.20	.50	.30	.020	15	N	N	N	50	30
H58R0100	.30	.70	.50	.015	15	N	N	N	50	20
H58R0110	.10	.30	1.00	.015	15	N	N	N	70	30
H58R0120	.10	.20	1.00	.010	15	N	N	N	70	20
H58R0130	.10	.20	1.50	.010	20	N	N	N	70	30
H58R0140	.20	.30	3.00	.020	70	N	N	N	70	30
H58R0150	.10	.20	2.00	.010	20	N	N	N	70	30
H58R0160	.20	.50	2.00	.015	100	N	N	N	50	20
H58R0170	.20	.30	2.00	.050	70	N	N	N	70	50
H58R0180	.20	.50	1.00	.500	70	N	N	N	100	100
H58R0190	3.00	.50	2.00	.100	300	N	N	N	200	100
H58R0200	5.00	.20	.15	.070	200	N	N	N	70	100
H58R0210	5.00	.30	.50	.200	100	N	N	N	100	150
H58R0220	1.50	.10	.05	.050	20	N	N	N	50	100
H58R0230	2.00	.30	.10	.150	20	N	N	N	100	150
H58R0240	1.00	.20	.50	.100	20	N	N	N	100	200
H58R0250	2.00	.30	.30	.200	20	N	N	N	100	200
H58R0260	1.50	.50	.30	.300	50	N	N	N	150	200
H58R0270	1.50	.20	.15	.200	30	N	N	N	100	200
H58R0280	.50	.15	.10	.050	15	N	N	N	70	150
H58R0290	.50	.20	.20	.100	15	N	N	N	70	200
H58R0300	1.50	.50	.50	.200	50	N	N	N	100	200
H58R0310	1.00	.50	.50	.200	20	N	N	N	100	200
H58R0320	1.00	.30	.20	.150	20	N	N	N	100	150
H58R0330	.30	.15	.15	.100	10	N	N	N	100	100
H58R0340	1.00	.20	.20	.070	10	N	N	N	100	100
H58R0350	.50	.15	.05	.070	10	N	N	N	100	100
H58R0360	.30	.30	.50	.070	15	N	N	N	100	150
H58R0370	.20	.50	1.00	.100	15	N	N	N	100	100
H58R0380	.50	.20	.15	.100	10	N	N	N	100	100
H58R0390	.50	.50	1.00	.070	15	.5	N	N	100	100
H58R0400	1.50	.50	1.00	.150	50	1.0	N	N	100	200
H58R0410	1.00	.50	1.00	.100	15	N	N	N	100	150
H58R0430	1.50	.07	.05	.030	15	N	N	N	100	100
H58R0440	.70	.07	.05	.050	50	N	N	N	70	150
H58R0490	3.00	.10	.05	.200	20	N	N	N	100	200
H58R0500	2.00	.15	.10	.070	15	N	N	N	70	70

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H58, 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
H58R0010	<1.0	N	N	<5	15	<5	N	N	N	7	N
H58R0020	1.0	N	N	5	10	<5	N	N	N	20	N
H58R0030	N	N	N	N	<10	<5	N	N	N	10	N
H58R0040	N	N	N	<5	<10	<5	N	N	N	10	N
H58R0050	N	N	N	<5	<10	<5	N	N	N	10	N
H58R0060	N	N	N	<5	<10	<5	N	N	N	15	N
H58R0070	N	N	N	<5	<10	<5	N	N	N	15	N
H58R0080	N	N	N	15	<10	<5	N	N	N	20	N
H58R0090	N	N	N	<5	<10	<5	N	N	N	15	N
H58R0100	N	N	N	<5	<10	<5	N	N	N	20	N
H58R0110	N	N	N	<5	<10	<5	N	N	N	15	N
H58R0120	N	N	N	<5	<10	<5	N	N	N	20	N
H58R0130	N	N	N	<5	<10	<5	N	N	N	15	N
H58R0140	N	N	N	<5	<10	<5	N	5	N	20	N
H58R0150	N	N	N	<5	<10	<5	N	<5	N	15	N
H58R0160	N	N	N	<5	<10	<5	N	5	N	20	N
H58R0170	N	N	N	<5	<10	<5	N	<5	N	15	N
H58R0180	1.0	N	N	20	50	20	N	N	N	100	N
H58R0190	1.0	N	N	20	15	10	N	N	N	100	N
H58R0200	1.0	N	N	20	10	30	N	N	N	100	N
H58R0210	1.0	N	N	20	20	100	N	N	N	100	N
H58R0220	1.0	N	N	<5	15	10	N	N	N	15	N
H58R0230	1.0	N	N	5	50	15	N	N	N	70	N
H58R0240	1.0	N	N	<5	20	10	N	<5	N	15	N
H58R0250	1.5	N	N	10	50	30	N	5	N	30	50
H58R0260	2.0	N	N	15	50	30	N	<5	N	30	15
H58R0270	1.5	N	N	5	30	15	N	<5	N	20	15
H58R0280	1.0	N	N	N	15	7	N	N	N	10	<10
H58R0290	1.0	N	N	N	20	7	N	N	N	10	10
H58R0300	1.0	N	N	<5	20	15	N	<5	N	15	N
H58R0310	1.5	N	N	<5	50	15	N	5	N	20	15
H58R0320	<1.0	N	N	<5	30	15	N	5	N	20	10
H58R0330	1.0	N	N	N	15	7	N	<5	N	10	<10
H58R0340	1.0	N	N	N	15	15	N	<5	N	15	<10
H58R0350	1.0	N	N	N	15	5	N	N	N	10	<10
H58R0360	1.0	N	N	N	20	10	N	N	N	10	10
H58R0370	<1.0	N	N	N	30	20	N	N	N	10	N
H58R0380	<1.0	N	N	N	20	7	N	<5	N	10	N
H58R0390	1.0	N	N	<5	20	15	N	7	N	15	10
H58R0400	1.0	N	N	5	20	70	N	<5	N	15	100
H58R0410	1.0	N	N	5	50	20	N	7	N	15	10
H58R0430	1.0	N	N	N	30	10	N	<5	N	15	100
H58R0440	1.0	N	N	N	20	15	N	<5	N	10	50
H58R0490	1.0	N	N	5	30	50	N	10	N	20	500
H58R0500	1.0	N	N	<5	20	100	N	10	N	20	150

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H58, 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
H58R0010	N	N	N	N	20	<50	N	N	50	N	31
H58R0020	N	N	N	N	20	<50	N	N	15	N	31
H58R0030	N	N	N	N	10	<50	N	N	N	N	31
H58R0040	N	N	N	N	10	<50	N	N	N	N	31
H58R0050	N	N	N	N	10	<50	N	N	N	N	31
H58R0060	N	N	N	N	15	<50	N	N	N	N	31
H58R0070	N	N	N	N	15	<50	N	N	N	N	31
H58R0080	N	N	N	N	15	<50	N	N	N	N	31
H58R0090	N	N	N	N	20	<50	N	N	N	N	31
H58R0100	N	N	N	N	20	<50	N	N	N	N	31
H58R0110	N	N	N	N	10	<50	N	N	N	N	31
H58R0120	N	N	N	N	10	<50	N	N	N	N	31
H58R0130	N	N	N	N	15	<50	N	N	N	N	31
H58R0140	N	N	N	N	15	<50	N	N	N	N	31
H58R0150	N	N	N	N	15	<50	N	N	N	N	31
H58R0160	N	N	N	N	20	<50	N	N	N	N	31
H58R0170	N	N	N	N	15	<50	N	N	50	N	31
H58R0180	N	7	N	N	70	<50	N	<200	100	N	31
H58R0190	N	<5	N	N	30	<50	N	N	50	N	31
H58R0200	N	<5	N	N	30	<50	N	N	70	N	31
H58R0210	N	5	N	N	50	<50	N	N	100	N	22
H58R0220	N	N	N	N	20	<50	N	N	30	N	22
H58R0230	N	5	N	N	50	<50	N	N	100	N	22
H58R0240	N	N	N	<100	20	<50	N	N	50	N	22
H58R0250	N	<5	N	N	30	<50	N	N	70	N	22
H58R0260	N	5	N	<100	50	<50	N	N	70	N	22
H58R0270	N	<5	N	<100	30	<50	N	N	50	N	22
H58R0280	N	N	N	<100	15	<50	N	N	50	N	39
H58R0290	N	N	N	<100	20	<50	N	N	50	N	39
H58R0300	N	<5	N	N	30	<50	N	N	70	N	39
H58R0310	N	<5	N	<100	30	<50	N	N	70	N	39
H58R0320	N	<5	N	N	30	<50	N	N	50	N	39
H58R0330	N	N	N	<100	20	<50	N	N	30	N	39
H58R0340	N	N	N	<100	15	<50	N	N	20	N	39
H58R0350	N	N	N	<100	20	<50	N	N	30	N	39
H58R0360	N	N	N	<100	20	<50	N	N	50	N	39
H58R0370	N	N	N	<100	20	<50	N	N	30	N	39
H58R0380	N	N	N	<100	15	<50	N	N	20	N	39
H58R0390	N	N	N	<100	15	<50	N	N	30	N	39
H58R0400	N	<5	N	<100	30	<50	N	<200	50	N	39
H58R0410	N	<5	N	700	30	<50	N	N	50	N	39
H58R0430	N	<5	N	<100	15	<50	N	N	30	N	39
H58R0440	N	N	N	<100	10	<50	N	N	20	N	39
H58R0490	N	<5	N	<100	20	<50	N	N	100	N	39
H58R0500	N	N	N	<100	15	<50	N	<200	20	N	39

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H58, 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
H58R0510	1.00	.15	.15	.050	10	N	N	N	50	100
H58R0520	.70	.10	.20	.050	10	N	N	N	70	100
H58R0535	.50	.05	.20	.070	20	<.5	N	N	100	100
H58R0910	.50	.07	.05	.070	30	N	N	N	50	100
H58R0920	.20	.05	.05	.020	10	N	N	N	50	100
H58R0930	.70	.07	.05	.100	100	N	N	N	50	150
H58R0940	.05	<.02	<.05	.007	<10	N	N	N	10	<20
H58R0950	.10	.02	.05	.020	<10	N	N	N	15	70
H58R0960	.20	.10	.15	.050	10	N	N	N	50	150
H58R0970	.50	.05	.05	.070	20	N	N	N	50	100
H58R0980	.50	.07	.05	.100	50	N	N	N	50	150
H58R0990	.10	.03	.05	.020	200	N	N	N	50	150
H58R1000	.10	.02	.05	.020	<10	N	N	N	50	70
H58R1010	.07	.05	.07	.020	<10	N	N	N	100	20
H58R1020	.15	.10	.15	.020	<10	N	N	N	100	50
H58R1030	.15	.10	.15	.020	<10	N	N	N	100	30
H58R1040	.20	.05	.10	.020	<10	N	N	N	100	50
H58R1050	.30	.07	.10	.020	10	N	N	N	100	30
H58R1060	.50	.10	.15	.030	15	N	N	N	70	50
H58R1080	.30	.07	.10	.030	20	N	N	N	50	50
H58R1090	1.00	.20	.10	.100	50	N	N	N	70	100
H58R1100	1.00	.20	.05	.100	70	N	N	N	70	100
H58R1110	1.50	.50	.07	.200	150	N	N	N	100	150
H58R1120	1.50	.30	.07	.150	100	N	N	N	50	100
H58R1130	.50	.10	.05	.100	70	N	N	N	50	100
H58R1140	1.00	.15	.07	.200	100	N	N	N	70	150
H58R1150	.30	.07	.05	.070	100	N	N	N	50	100
H58R1160	.50	.07	.05	.100	70	N	N	N	50	100
H58R1170	.50	.10	.07	.150	100	N	N	N	50	100
H58R1180	.50	.10	.05	.150	70	N	N	N	50	100
H58R1190	1.00	.15	.15	.150	100	N	N	N	50	150
H58R1200	.70	.10	.10	.200	100	N	N	N	70	100
H58R1210	1.00	.20	.10	.200	100	N	N	N	70	150
H58R1220	1.00	.20	.05	.200	100	N	N	N	50	150
H58R1230	1.00	.20	.10	.200	100	N	N	N	50	150
H58R1240	1.00	.20	.15	.200	100	N	N	N	70	150
H58R1250	1.00	.20	.15	.300	200	N	N	N	70	150
H58R1260	1.50	.50	.05	.300	200	N	N	N	100	200
H58R1270	1.50	.50	.07	.300	200	N	N	N	100	300
H58R1280	1.50	.30	.10	.300	200	N	N	N	100	200
H58R1290	1.00	.30	.07	.300	150	N	N	N	100	200
H58R1300	1.50	.30	.10	.300	100	N	N	N	100	150
H58R1310	1.00	.30	.10	.200	100	N	N	N	10	200
H58R1320	1.50	.30	.10	.200	150	N	N	N	70	150
H58R1330	1.50	.50	.10	.300	200	N	N	N	100	150

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H58, 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
H58R0510	<1.0	N	N	<5	20	20	N	5	N	10	10
H58R0520	1.0	N	N	N	10	100	N	<5	N	10	10
H58R0535	N	N	N	N	15	15	N	5	N	10	10
H58R0910	<1.0	N	N	N	15	7	N	N	N	10	<10
H58R0920	<1.0	N	N	N	15	10	N	<5	N	7	<10
H58R0930	1.0	N	N	N	20	15	N	5	N	15	10
H58R0940	N	N	N	N	10	<5	N	<5	N	5	N
H58R0950	<1.0	N	N	N	10	<5	N	<5	N	5	N
H58R0960	<1.0	N	N	N	15	10	N	<5	N	10	<10
H58R0970	<1.0	N	N	N	15	10	N	<5	N	15	<10
H58R0980	<1.0	N	N	N	20	15	N	<5	N	15	50
H58R0990	<1.0	N	N	N	10	5	N	N	N	7	N
H58R1000	<1.0	N	N	N	10	5	N	<5	N	7	N
H58R1010	<1.0	N	N	N	10	<5	N	N	N	7	N
H58R1020	<1.0	N	N	N	10	<5	N	N	N	10	N
H58R1030	<1.0	N	N	N	10	<5	N	N	N	10	N
H58R1040	<1.0	N	N	N	15	5	N	N	N	10	N
H58R1050	<1.0	N	N	N	15	5	N	<5	N	10	N
H58R1060	<1.0	N	N	N	15	20	N	<5	N	15	N
H58R1080	1.0	N	N	N	10	15	N	<5	N	10	N
H58R1090	1.0	N	N	5	20	50	N	5	N	20	N
H58R1100	1.0	N	N	5	20	20	N	5	N	20	N
H58R1110	1.5	N	N	20	50	70	50	5	N	30	20
H58R1120	1.0	N	N	<5	30	50	N	5	N	20	10
H58R1130	1.0	N	N	N	20	15	N	<5	N	20	<10
H58R1140	1.0	N	N	N	30	15	<20	5	N	30	<10
H58R1150	1.0	N	N	N	20	15	N	<5	N	15	<10
H58R1160	1.0	N	N	N	20	15	N	<5	N	15	<10
H58R1170	1.0	N	N	N	20	15	N	<5	N	20	<10
H58R1180	1.0	N	N	N	20	10	N	N	N	15	<10
H58R1190	1.0	N	N	N	30	15	N	<5	N	20	<10
H58R1200	1.0	N	N	N	30	20	N	<5	N	20	<10
H58R1210	1.0	N	N	5	50	15	N	5	N	20	<10
H58R1220	1.0	N	N	N	50	20	N	5	N	20	<10
H58R1230	1.0	N	N	N	50	20	N	5	N	20	<10
H58R1240	1.0	N	N	N	50	15	N	<5	N	15	<10
H58R1250	1.0	N	N	5	50	30	<20	5	N	20	<10
H58R1260	1.5	N	N	10	100	20	50	5	N	50	<10
H58R1270	1.5	N	N	10	100	15	50	5	N	50	<10
H58R1280	1.5	N	N	7	50	20	30	<5	N	30	<10
H58R1290	1.5	N	N	7	70	20	30	<5	N	50	<10
H58R1300	1.0	N	N	5	70	15	30	5	N	30	<10
H58R1310	1.5	N	N	5	50	15	30	<5	N	50	<10
H58R1320	1.0	N	N	5	50	15	<20	<5	N	30	<10
H58R1330	1.5	N	N	7	70	15	<20	<5	N	50	<10

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H58, 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
H58R0510	N	N	N	<100	15	<50	N	<200	20	N	39
H58R0520	N	N	N	N	15	<50	N	N	50	N	39
H58R0535	N	N	N	N	10	<50	N	N	50	N	39
H58R0910	N	N	N	N	10	<50	N	N	100	N	19
H58R0920	N	N	N	N	<10	<50	N	N	N	N	19
H58R0930	N	N	N	N	20	<50	N	<200	50	N	19
H58R0940	N	N	N	N	<10	<50	N	N	N	N	19
H58R0950	N	N	N	N	10	<50	N	N	300	N	19
H58R0960	N	N	N	N	15	<50	N	N	50	N	19
H58R0970	N	N	N	N	15	<50	N	N	50	N	18
H58R0980	N	N	N	N	15	<50	N	N	70	N	18
H58R0990	N	N	N	N	10	<50	N	N	N	N	18
H58R1000	N	N	N	N	<10	<50	N	N	10	N	18
H58R1010	N	N	N	N	<10	<50	N	N	N	N	18
H58R1020	N	N	N	N	10	<50	N	N	N	N	18
H58R1030	N	N	N	N	15	<50	N	N	N	N	18
H58R1040	N	N	N	N	10	<50	N	N	N	N	18
H58R1050	N	N	N	N	10	<50	N	N	30	N	18
H58R1060	N	N	N	N	15	<50	N	N	N	N	18
H58R1080	N	N	N	N	20	<50	N	N	20	N	18
H58R1090	N	<5	N	N	30	<50	15	N	50	N	18
H58R1100	N	5	N	N	50	<50	15	<200	70	N	18
H58R1110	N	7	N	N	70	<50	30	200	100	N	18
H58R1120	N	5	N	<100	50	<50	15	<200	50	N	18
H58R1130	N	5	N	N	50	<50	10	<200	50	N	18
H58R1140	N	7	N	N	50	<50	20	<200	100	N	18
H58R1150	N	N	N	N	20	<50	N	<200	30	N	18
H58R1160	N	<5	N	N	30	<50	<10	N	50	N	18
H58R1170	N	5	N	N	50	<50	10	<200	50	N	18
H58R1180	N	5	N	N	50	<50	<10	<200	30	N	18
H58R1190	N	5	N	N	50	<50	10	<200	50	N	18
H58R1200	N	5	N	N	50	<50	15	<200	50	N	18
H58R1210	N	5	N	N	50	<50	15	<200	50	N	18
H58R1220	N	5	N	N	50	<50	15	<200	50	N	18
H58R1230	N	7	N	N	50	<50	15	<200	100	N	18
H58R1240	N	5	N	N	50	<50	15	<200	50	N	18
H58R1250	N	5	N	N	50	<50	20	200	100	N	18
H58R1260	N	10	N	N	70	<50	30	300	150	N	18
H58R1270	N	10	N	N	70	<50	30	200	150	N	18
H58R1280	N	10	N	N	70	<50	20	200	100	N	18
H58R1290	N	7	N	N	50	<50	20	<200	150	N	18
H58R1300	N	7	N	N	70	<50	20	<200	100	N	18
H58R1310	N	7	N	N	70	<50	20	200	100	N	18
H58R1320	N	7	N	N	50	<50	20	200	50	N	18
H58R1330	N	10	N	N	70	<50	20	<200	100	N	18

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H58, 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
H58R1340	2.00	.50	.15	.300	300	N	N	N	100	150
H58R1350	1.00	.20	.05	.200	100	N	N	N	50	100
H58R1360	1.50	.30	.05	.300	300	N	N	N	100	200
H58R1370	1.50	.20	.05	.200	200	N	N	N	70	150
H58R1380	1.50	.30	.07	.200	150	N	N	N	70	100
H58R1390	1.00	.20	.05	.200	100	N	N	N	50	100
H58R1400	1.00	.20	.05	.200	100	N	N	N	50	100
H58R1410	1.50	.30	.05	.300	150	N	N	N	100	150
H58R1420	1.50	.20	.07	.300	150	N	N	N	70	150
H58R1430	1.50	.30	.10	.200	100	N	N	N	100	100
H58R1440	1.50	.30	.10	.300	100	N	N	N	70	100
H58R1450	1.50	.30	.07	.150	100	N	N	N	70	100
H58R1460	1.50	.30	.07	.200	150	N	N	N	70	150
H58R1470	2.00	.50	.05	.500	200	N	N	N	100	200
H58R1480	2.00	.50	.10	.300	300	N	N	N	100	200
H58R1490	2.00	.70	.10	.500	200	N	N	N	100	200
H58R1500	2.00	.50	.10	.500	200	N	N	N	100	200
H58R1510	1.50	.20	.10	.100	50	.7	N	N	70	150
H58R1520	1.50	.20	.07	.100	100	1.0	N	N	70	100
H58R1530	1.50	.30	.15	.150	150	1.0	N	N	100	70
H58R1540	1.50	.10	.05	.100	300	.7	N	N	70	50
H58R1550	1.50	.10	.05	.100	100	1.0	N	N	70	70
H58R1560	1.00	.10	.05	.100	200	<.5	N	N	70	100
H58R1570	1.50	.10	.05	.100	300	N	N	N	50	150
H58R1580	10.00	.30	.05	.150	300	.7	N	N	70	100
H58R1590	2.00	.30	.07	.200	200	.5	N	N	70	100
H58R1600	5.00	.10	.05	.070	200	<.5	<200	N	70	70
H58R1610	3.00	.70	.10	.300	200	3.0	N	N	200	150
H58R1620	5.00	.70	.07	.200	200	2.0	200	N	200	100
H58R1630	3.00	.50	.07	.150	500	2.0	N	N	100	150
H58R1640	1.50	.10	.05	.100	150	2.0	N	N	70	100
H58R1650	2.00	.70	.15	.200	500	1.0	N	N	100	150
H58R1660	5.00	.50	.05	.300	100	3.0	N	N	300	70
H58R1670	3.00	.50	.05	.300	100	1.5	N	N	300	100
H58R1680	2.00	.50	.07	.300	700	1.0	N	N	200	100
H58R1690	5.00	.50	.05	.200	200	1.5	N	N	200	70
H58R1700	3.00	.50	.05	.200	100	2.0	200	N	200	50
H58R1705	7.00	.70	.15	.300	150	3.0	N	N	300	100

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H58, 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
H58R1340	1.5	N	N	7	50	30	30	10	N	50	30
H58R1350	1.0	N	N	N	50	10	N	<5	N	15	<10
H58R1360	1.5	N	N	5	50	15	30	N	N	30	<10
H58R1370	1.0	N	N	5	50	15	<20	<5	N	30	10
H58R1380	1.0	N	N	5	50	10	<20	<5	N	30	<10
H58R1390	1.0	N	N	<5	50	10	<20	N	N	20	10
H58R1400	1.0	N	N	<5	20	10	N	N	N	20	15
H58R1410	1.5	N	N	5	50	15	<20	N	N	30	<10
H58R1420	1.5	N	N	5	30	10	N	N	N	30	<10
H58R1430	1.5	N	N	<5	50	15	<20	<5	N	30	10
H58R1440	1.0	N	N	<5	30	15	N	<5	N	30	<10
H58R1450	1.0	N	N	<5	30	15	N	<5	N	30	10
H58R1460	1.0	N	N	5	50	20	N	<5	N	20	10
H58R1470	1.5	N	N	55	70	20	50	<5	<20	30	15
H58R1480	2.0	N	N	5	70	30	50	N	N	30	20
H58R1490	1.5	N	N	7	70	30	50	5	<20	30	15
H58R1500	1.5	N	N	7	100	20	50	<5	<20	50	15
H58R1510	1.0	N	N	<5	20	20	N	<5	N	50	10
H58R1520	1.0	N	N	<5	20	15	N	<5	N	50	15
H58R1530	1.5	N	N	5	30	7,000	N	<5	N	15	10
H58R1540	1.0	N	N	5	10	20	N	5	N	15	15
H58R1550	1.0	N	N	<5	10	15	N	<5	N	15	<10
H58R1560	1.0	N	N	5	30	20	N	<5	N	15	15
H58R1570	1.0	N	N	5	30	20	N	<5	N	10	<10
H58R1580	2.0	N	N	15	50	150	N	7	N	50	150
H58R1590	1.5	N	N	7	50	50	N	5	N	50	20
H58R1600	1.5	N	N	<5	30	50	N	5	N	50	70
H58R1610	2.0	N	N	7	50	50	N	5	<20	70	50
H58R1620	2.0	N	N	15	70	50	N	5	N	70	70
H58R1630	1.0	N	N	10	50	30	N	5	N	50	30
H58R1640	1.0	N	N	<5	50	20	N	5	N	30	20
H58R1650	2.0	N	N	10	100	50	N	5	<20	70	20
H58R1660	2.0	N	N	10	70	70	N	5	N	50	100
H58R1670	2.0	N	N	7	70	50	N	5	N	50	50
H58R1680	2.0	N	N	7	50	30	N	5	N	30	50
H58R1690	2.0	N	N	7	70	50	N	5	N	50	50
H58R1700	2.0	N	N	7	30	70	N	5	N	50	100
H58R1705	2.0	N	N	10	70	150	N	10	N	70	150

TABLE 4.-- SPECTROGRAPHIC ANALYSES OF INSOLUBLE-RESIDUE SAMPLES FROM DRILL HOLE NO. H58, 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
H58R1340	N	7	N	N	70	<50	30	<200	100	N	18
H58R1350	N	5	N	N	50	<50	20	<200	70	N	18
H58R1360	N	7	N	<100	50	<50	30	200	100	N	17
H58R1370	N	7	N	<100	50	<50	20	200	100	N	17
H58R1380	N	7	N	N	50	<50	20	<200	100	N	17
H58R1390	N	5	N	N	30	<50	20	<200	100	N	17
H58R1400	N	5	N	N	50	<50	20	<200	150	N	17
H58R1410	N	7	N	N	70	<50	20	<200	100	N	17
H58R1420	N	7	N	N	50	<50	20	200	100	N	17
H58R1430	N	10	N	N	70	<50	20	200	100	N	16
H58R1440	N	7	N	N	50	<50	20	200	100	N	16
H58R1450	N	<5	N	N	30	<50	15	200	150	N	16
H58R1460	N	7	N	N	50	<50	15	<200	100	N	16
H58R1470	N	10	N	<100	70	<50	50	<200	100	N	16
H58R1480	N	10	N	N	70	<50	50	200	100	N	16
H58R1490	N	10	N	N	100	<50	70	300	150	N	16
H58R1500	N	10	N	N	100	<50	50	300	100	N	16
H58R1510	N	5	N	N	50	<50	15	200	30	N	16
H58R1520	N	<5	N	N	30	<50	10	N	30	N	16
H58R1530	N	5	500	N	50	<50	15	<200	50	N	16
H58R1540	N	<5	N	N	20	<50	N	<200	20	N	16
H58R1550	N	N	N	N	20	<50	N	<200	50	N	16
H58R1560	N	N	N	N	20	<50	N	<200	50	N	16
H58R1570	N	N	N	N	20	<50	N	<200	50	N	16
H58R1580	N	5	N	N	50	<50	15	<200	505	N	16
H58R1590	N	7	N	N	100	<50	20	200	50	N	16
H58R1600	N	<5	N	N	50	<50	N	<200	50	N	16
H58R1610	N	7	N	N	150	<50	10	<200	100	N	16
H58R1620	N	7	N	N	150	<50	10	<200	100	N	16
H58R1630	N	5	N	100	100	<50	10	200	50	N	16
H58R1640	N	<5	N	100	30	<50	N	<200	50	N	16
H58R1650	N	10	N	N	100	<50	20	200	100	N	16
H58R1660	N	5	N	N	100	<50	<10	N	50	N	16
H58R1670	N	5	N	N	100	<50	<10	<200	100	N	16
H58R1680	N	5	N	N	100	<50	<10	<200	50	N	16
H58R1690	N	5	N	N	100	<50	N	<200	50	N	16
H58R1700	N	5	N	N	100	<50	<10	<200	50	N	16
H58R1705	N	7	N	N	150	<50	<10	<200	70	N	16