CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the Anderson Mine Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

DEVELOPMENT REPORT

ON

EQUILIBRIUM

AT THE

ANDERSON MINE PROJECT

BY

Robert F. Lucht
April 28, 1978

EQUILIBRIUM AS A FUNCTION OF LOCATION

Using a geologic base map, an equilibrium map has been constructed (Map 2). This map was drawn assuming a fault control of the low equilibrium areas after this phenomenon was observed on a straight mathematical contour map (Map 1).* This map illustrates graphically that the faults in the mine area have been channels for groundwater dissolution of soluable uranium with possible redeposition down dip. (A similar pattern exists in C_aCO_3 distribution (Map 3).

The equilibrium value for each hole was interpolated by overlaying Map 2 on the hole location map and reading the individual values off of Map 2. See Table 2 for a list of all R.E.F.'s applied.

*Map 1 was constructed using preliminary data. Some of the values changed when calculated more accurately.

TABLE 2

R.E.F. Numbers Applied to Individual Drill Holes

HOLE #	R.E.F.	HOLE #	R.E.F.	HOLE #	R.E.F.
1	1.039	24	1.30	47	.90
2	.822	25	.88	48	1.40
3	.95	26	1.125	49	.912
4	1.20	27	-1-	50	.80
5	1.20	28	1.266	51	1.034
6	.75	29	-1-	52	1.20
7	1.101	30	-1-	53	1.15
8	.60	31	-1-	54	-1-
9	.10	32	1.50	55	1.00
10	1.319	33	-1-	56	1.10
11	.80	34	.75	57	-1-
12	-1-	35	-1-	58	.92
13	.477	36	-1-	59	1.10
14	.60	37	1.05	60	-1-
15	1.45	38	-1-	61	-1-
16	.848	39	1.00	62	-1-
17	.929	40	.358	63	.891
18	1.055	41	.50	64	-1-
19	.88	42	-1-	65	.60
20	1.02	43	-1-	66	.95
21	-1-	44	-1-	67	.350
22	.952	45	-1-	68	.666
23	.79	46	-1-	69	-1-

HOLE #	R.E.F.	HOLE #	R.E.F.	HOLE #	R.E.F.
70	-1-	96	.80	122	.95
71	.956	97	-1-	123	.10
72	-1-	98	.78	124	.90
73	-1-	99	.95	125	.60
74	.88	100	.98	126	.85
75	.92	101	.75	127	.239
76	.95	102	-1-	128	1.25
77	1.05	103	.50	129	1.063
78	1.00	104	.35	130	.55
79	.701	105	.54	131	.95
80	1.40	106	.801	132	1.00
81	.82	107	.922	133	.82
82	1.50	108	1.00	134	.70
83	1.12	109	.95	135	.796
84	1.00	110	1.10	136	.815
85	.65	111	.70	137	1.15
86	1.08	112	.95	138	1.30
87	.66	113	.776	139	.90
88	.810	114	.68	140	1.20
89	.50	115	1.20	141	1.21
90	.66	116	.90	142	1.30
91	.66	117	.55	143	1.10
92	.60	118	1.18	144	1.25
93	-1-	119	1.191	145	1.80
94	.85	120	.90	146	1.25
95	1.05	121	1.20	147	1.05

HOLE #	R.E.F.	HOLE #	R.E.F.	HOLE #	R.E.F.
148	.20	175	-1-	202	.10
149	.706	176	-1-	203	-1-
150	.10	177	1.05	204	-1-
151	-1-	178	-1-	205	-1-
152	.262	179	1.10	206	.85
153	1.15	180	.90	207	-1-
154	1.30	181	-1-	208	-1-
155	.95	182	.93	209	-1-
156	.860	183	1.05	210	-1-
157	.85	184	1.144	211	-1-
158	1.12	185	-1-	212	-1-
159	1.25	186	1.05	213	.95
160	1.00	187	.10	214	.70
161	.80	188	.20	215	.85
162	-1-	189	-1-	216	.65
163	1.22	190	-1-	217	.65
164	.90	191	-1-	218	.65
165	1.60	192	-1-	219	.75
166	1.22	193	-1-	220	.98
167	1.31	194	.10	221	1.10
168	1.60	195	-1-	222	.928
169	1.05	196	-1-	223	.68
170	.40	197	-1-	224	.68
171	1.165	198	-1-	225	1.05
172	.10	199	-1-	226	.68
173	-1-	200	1.35	227	.99
174	-1-	201	-1-	228	.85

HOLE #	R.E.F.	HOLE #	R.E.F.	HOLE #	R.E.F.
229	1.593	255	.85	281	.540
230	1.45	256	.70	282	.54
231	1.22	257	.78	283	.70
232	1.61	258	.917	284	.30
233	1.55	259	1.00	285	.60
234	-1-	260	.10	286	.939
235	1.60	261	.10	287	.75
236	.66	262	.10	288	.70
237	.66	263	.10	289	.821
238	.60	264	.10	290	.10
239	.60	265	.10	291	.30
240	.60	266	.45	292	.65
241	.60	267	1.00	293	.85
242	-1-	268	.95	294	1.10
243	.60	269	.10	295	1.22
244	.667	270	.10	296	.90
245	1.05	271	.60	297	.70
246	1.30	272	.92	298	.90
247	.81	273	1.223	299	.30
248	.81	274	.216	300	.23
249	.75	275	1.342	301	.41
250	.68	276	.10	302	.25
251	.51	277	.10	303	.75
252	.98	278	.95	304	.80
253	.98	279	.95	305	1.00
254	.132	280	.90	306	1.30

HOLE #	R.E.F.	HOLE #	R.E.F.	HOLE #	R.E.F.
307	1.05	333	.85	359	.86
308	.721	334	.65	360	.86
309	1.34	335	.72	361	1.21
310	1.24	336	.468	362	1.25
311	.90	337	.766	363	1.25
312	.78	338	.679	364	1.31
313	.83	339	.95	365	.98
314	.95	340	.82	366	1.05
315	1.32	341	.60	367	1.12
316	1.00	342	.62	368	.90
317	.63	343	.75	369	.75
318	.95	344	.77	370	1.10
319	.85	345	1.567	371	.875
320	1.05	346	.91	372	.76
321	1.25	347	.98	373	1.022
322	1.053	348	1.00	374	1.15
323	.955	349	1.32	375	.90
324	.96	350	1.15	376	.90
325	1.284	351	1.141	377	.90
326	1.00	352	1.00	378	1.00
327	.85	353	1.12	379	.90
328	.92	354	1.30	380	.79
329	.95	355	1.20	381	1.15
330	.95	356	1.05	382	.90
331	1.00	357	1.12	383	1.10
332	1.05	358	.86	384	1.315

HOLE #	R.E.F.	HOLE #	R.E.F.	HOLE #	R.E.F.
385	1.05	411	1.80	437	1.05
386	.82	412	1.384	438	1.00
387	1.05	413	.90	439	1.10
388	1.205	414	-1-	440	1.00
389	.10	415	.90	441	1.30
390	.552	416	.80	442	1.08
391	.50	417	.80	443	1.044
392	.70	418	1.05	444	1.316
393	1.45	419	.885	445	-1-
394	.12	420	.80	446	-1-
395	.30	421	1.00	447	.90
396	1.846	422	1.432	448	1.05
397	1.30	423	1.30	449	1.40
398	.95	424	1.10	450	1.30
399	1.08	425	1.15	451	.85
400	1.10	426	.93	452	.90
401	-1-	427	.930	453	.95
402	.68	428	.93	454	.95
403	.87	429	1.10	455	1.15
404	1.02	430	1.05	456	.95
405	1.02	431	1.039	457	1.10
406	1.05	432	-1-	458	-1-
407	-1-	433	-1-	459	-1-
408	-1-	434	1.548	460	-1-
409	1.80	435	.846	461	-1-
410	1.80	436	.603	462	-1-

HOLE #	R.E.F.	HOLE #	R.E.F.	HOLE #	R.E.F.
463	.92	489	-1-	515	-1-
464	.95	490	-1-	516	-1-
465	1.05	491	-1-	517	-1-
466	.95	492	-1-	518	-1-
467	.95	493	-1-	519	-1-
468	.95	494	-1-	520	-1-
469	.95	495	-1-	521	-1-
470	.95	496	-1-	522	-1-
471	.95	497	-1-	523	-1-
472	.95	498	-1-	524	-1-
473	.90	499	-1-	525	-1-
474	.90	500	-1-		
475	.40	501	-1-		
476	.80	502	-1-		
477	.95	503	-1-		
478	-1-	504	-1-		
479	-1-	505	-1-		
480	.85	506	-1-		
481	.40	507	-1-		
482	.40	508	-1-		
483	.70	509	-1-		
484	.90	510	-1-		
485	.90	511	-1-		
486	1.279	512	-1-		
487	1.30	513	-1-		
488	-1-	514	-1-		

APPENDICES

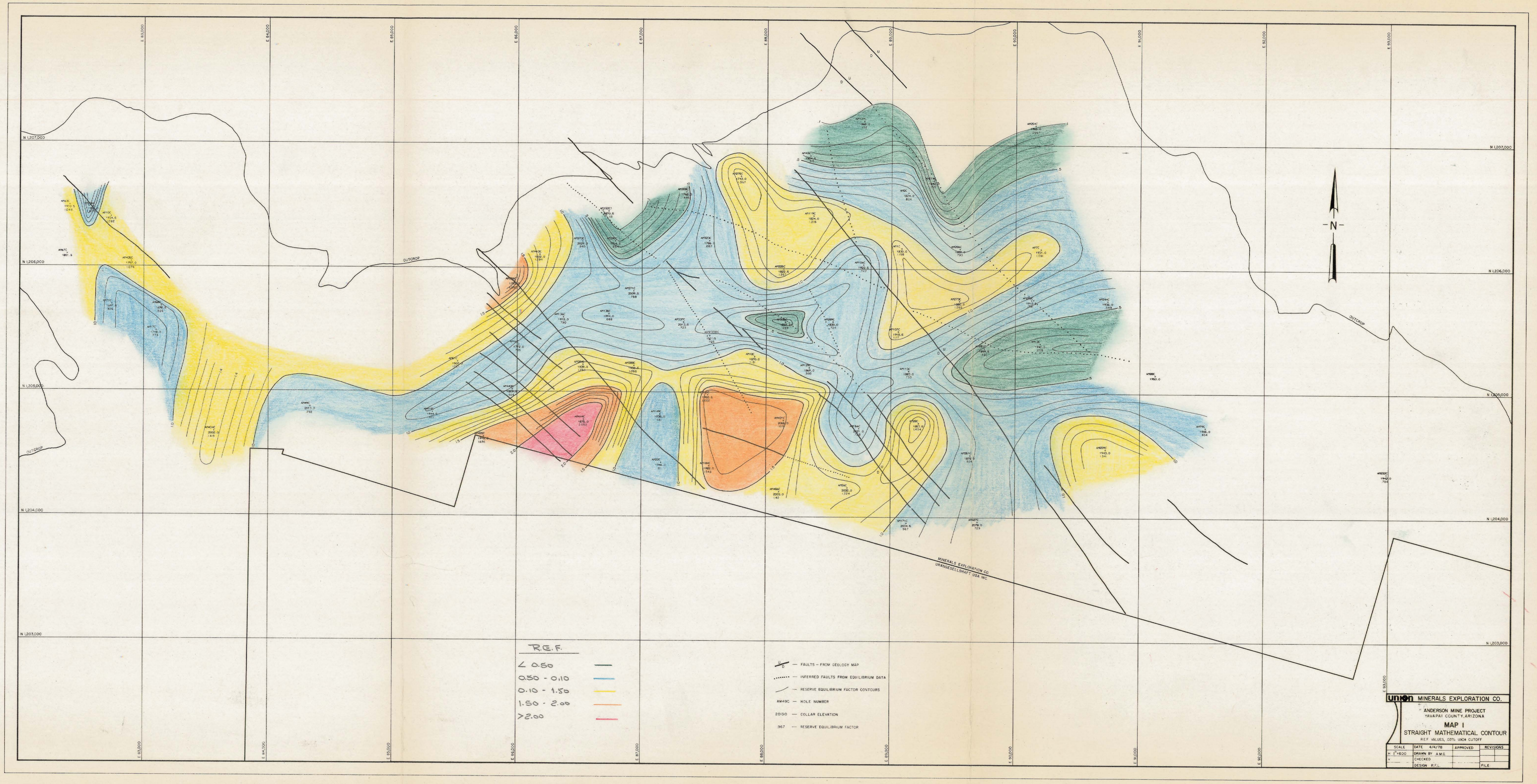
Appendix #	Title
1.	R.E.F. Calculation For All Cutoff Grades Greater Than .01% U_3O_8 In .01% U_3O_8 Increments.
2.	R.E.F. Calculated With Assays Weighted Equally For a .03% U_3O_8 Cutoff.
3.	G.E.F. Data Broken Down By Grade.
4.	Probe Truck Calibrations During The Coring Program.

MAP 1 R.E.F. Contour Map - Straight Mathematical Color

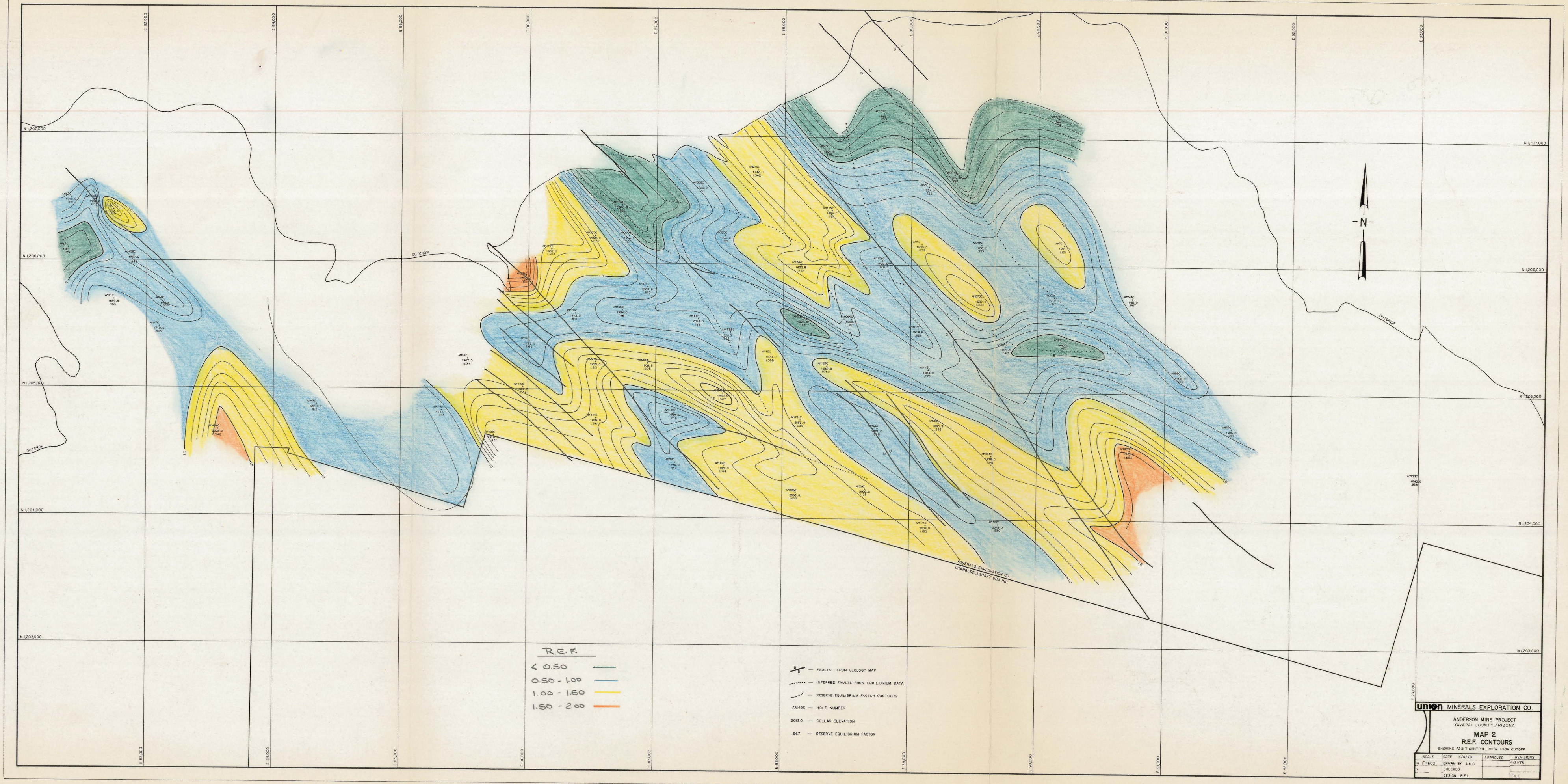
MAP 2 R.E.F. Contour Map - Fault Control Color

MAP 3 CO_2 Contour Map - Fault Control

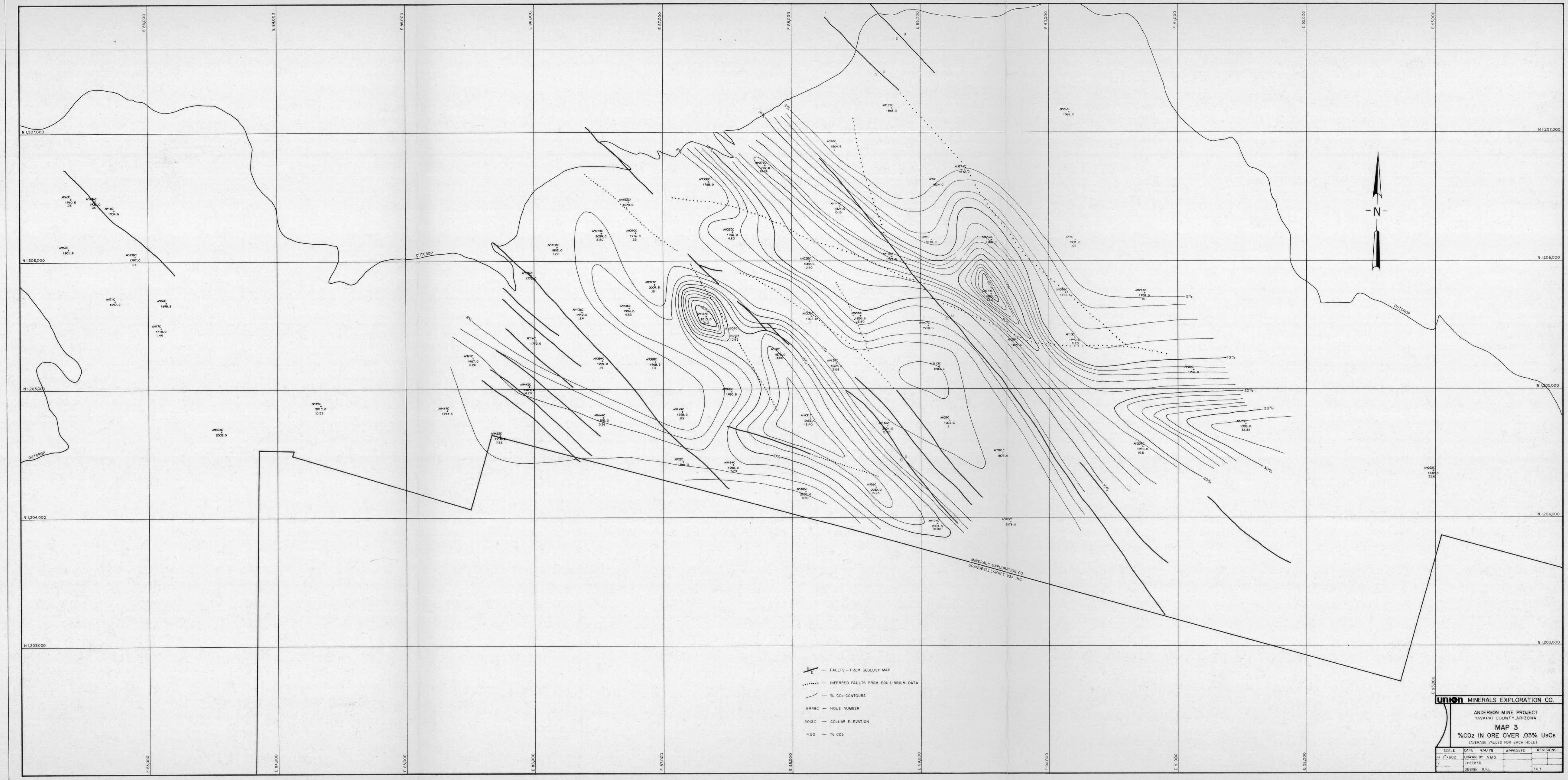
MAP 4 Polygons Used to Figure R.E.F.



N
OUTCROP
MINERALS EXPLORATION CO.
URANGESELLSHAFT USA INC.
R.E.F.
< 0.50
0.50 - 0.10
0.10 - 1.50
1.50 - 2.00
>2.00
— FAULTS - FROM GEOLOGY MAP
— INFERRED FAULTS FROM EQUILIBRIUM DATA
— RESERVE EQUILIBRIUM FACTOR CONTOURS
AM49C — HOLE NUMBER
20130 — COLLAR ELEVATION
.967 — RESERVE EQUILIBRIUM FACTOR
union MINERALS EXPLORATION CO.
ANDERSON MINE PROJECT
YAVAPAI COUNTY, ARIZONA
MAP I
STRAIGHT MATHEMATICAL CONTOUR
REF VALUES, 03% U3O8 CUTOFF
SCALE
H 1"=600
V
DATE 4/4/78
DRAWN BY A.M.G.
CHECKED
DESIGN R.F.L.
APPROVED
REVISIONS
FILE:



N
OUTCROP
MINERALS EXPLORATION CO.
URANGESELLSHAFT USA INC.
R.E.F.
< 0.50
0.50 - 1.00
1.00 - 1.50
1.50 - 2.00
FAULTS - FROM GEOLOGY MAP
INFERRED FAULTS FROM EQUILIBRIUM DATA
RESERVE EQUILIBRIUM FACTOR CONTOURS
AM49C — HOLE NUMBER
2013.0 — COLLAR ELEVATION
.967 — RESERVE EQUILIBRIUM FACTOR
union MINERALS EXPLORATION CO.
ANDERSON MINE PROJECT
YAVAPAI COUNTY, ARIZONA
MAP 2
R.E.F. CONTOURS
SHOWING FAULT CONTROL, 0.2% USOR CUTOFF
SCALE
DATE 4/4/78
APPROVED
REVISIONS
H 1"=600'
DRAWN BY A.M.G.
4/21/78
CHECKED
DESIGN R.F.L.
FILE



N 1,207,000
N 1,206,000
N 1,205,000
N 1,204,000
N 1,203,000
E 83,000
E 84,000
E 85,000
E 86,000
E 87,000
E 88,000
E 89,000
E 90,000
E 91,000
E 92,000
E 93,000
OUTCROP
MINERALS EXPLORATION CO.
URANDESELLSHAFT USA INC.
N
FAULTS - FROM GEOLOGY MAP
INFERRED FAULTS FROM EQUILIBRIUM DATA
% CO2 CONTOURS
AM49C — HOLE NUMBER
2013.0 — COLLAR ELEVATION
4.50 — % CO2
union MINERALS EXPLORATION CO.
ANDERSON MINE PROJECT
YAVAPAI COUNTY, ARIZONA
MAP 3
%CO2 IN ORE OVER .03% U3O8
(AVERAGE VALUES FOR EACH HOLE)
SCALE
DATE 4/4/78
APPROVED
REVISIONS
DRAWN BY A.M.G.
CHECKED
DESIGN R.F.L.
FILE

UNION MINERALS EXPLORATION CO.

ANDERSON MINE PROJECT
YAVAPAI COUNTY, ARIZONA

MAP 4
POLYGON MAP

SCALE	DATE: 5/1/78	APPROVED	REVISIONS
H: 1"=200'	DRAWN BY:		
V: .	CHECKED:		
	DESIGN:	FILE:	

THE GRADE EQUILIBRIUM FACTOR (G.E.F.)

To get a truer picture of how the equilibrium factor varied with grade at the Anderson, a G.E.F. was determined. This G.E.F. is:

$$\text{G.E.F.} = \frac{\dfrac{\text{chemical assays}}{\text{closed can}}}{\text{number of samples}}$$

This factor varies with grade fairly smoothly throughout its domain because it is determined uniquely for each sample. E.G. the G.E.F. does not become erractic at very high cutoff grades.

After 33 holes this factor was considered well in hand. For economy, no closed cans were run for the remaining holes.

TABLE 3

EQUILIBRIUM BY GRADE

Grade	#Samples	Equilibrium Total	Average Equilibrium
.015 - .030	417	395.37	.95
.030 - .050	174	165.25	.95
.050 - .090	86	79.68	.93
.090 -	82	83.97	1.02
Total	759	724.27	
Average			.96

See Appendix 3 for data broken down by grade.

QUALITY CONTROL

In any study involving large amounts of data, errors are a certainty. This section details efforts to find, minimize and quantify these errors.

Probe Truck Calibrations:

The probe truck was run in the D.O.E. test pits in Grand Junction, Colorado. The calibrations received from D.O.E. are included in Appendix 4. The values from the probe logs can be considered accurate to within a few percent.

Lab Cross Checks:

Chemical Geological Labs in Casper, Wyoming, did the first 429 assays - colorimetric uranium and closed can radiometrics. Hazen Research of Golden, Colorado, did 1619 fluorimetric uranium assays and 838 closed can radiometrics. Average grade equilibrium factors from these sets of data did not agree:

TABLE 4

SUMMARY OF EQUILIBRIUM DATA BY LABORATORY

Grade	Laboratory	Source Sample	Number Samples	Total Equilibrium	Average Equilibrium
.015 - .030	Chem. Geo.	Core	149	109.04	.73
	Hazen	Core	115	122.44	1.07
	Hazen	Cuttings	153	163.89	1.08
.030 - .050	Chem. Geo.	Core	77	64.67	.84
	Hazen	Core	59	58.51	1.00
	Hazen	Cuttings	38	42.07	1.11
.050 - .090	Chem. Geo.	Core	56	44.43	.79
	Hazen	Core	20	23.59	1.18
	Hazen	Cuttings	10	11.66	1.16
.090	Chem. Geo.	Core	53	50.91	.96
	Hazen	Core	25	28.58	1.14
	Hazen	Cuttings	4	4.48	1.12
All Grades	Hazen	All Samples	424	455.22	1.08
	Chem. Geo.	All Samples	335	269.05	.81

While one would not expect agreement because of differences in the samples, this large a difference prompted the following rechecks. 21 pulp samples (one-half picked at random and one-half picked by inspection), which Chemical Geological had previously analyzed, were sent to Hazen Research. The results indicated a wide divergence, so these pulps were sent to Skyline Labs in Tucson, Arizona. The results follow:

TABLE 5

(see page 16)

TABLE 5

Comparison of Chemical Geological, Hazen Research, and Skylind Laboratories on 21 pulps from the Anderson Mine.

Hole #	Depth	Chemical Geo. U_3O_8	Chemical Geo. eU_3O_8	Minerals B-8	Hazen Research, Inc. U_3O_8	Hazen Research, Inc. eU_3O_8	Hazen Research, Inc. B-8	Skyline Lab U_3O_8	Actual Equilibrium Factors Chem.Geo.	Actual Equilibrium Factors Hazen
AM 7C	96-97	<.001	.024	-	.006	.011	.01	.006	.04	.54
AM 7C	98-99	.016	.034	.01	.014	.034	.03	.026	.47	.41
AM 13C	123-124	.008	.023	-	.011	.014	.01	.012	.34	.79
AM 18C	296.1-297.1	.103	.147	-	.110	.098	.14	.118	.70	1.12
AM 26C	637-638	.017	.057	-	.017	.061	.01	.019	.29	.27
AM 49C	631-633	.016	.054	-	.011	.049	.02	.009	.30	.22
AM 51C	400-401	.008	.036	.006	.012	.024	.02	.012	.22	.50
AM 51C	406-407	.011	.030	.024	.021	.028	.03	.021	.37	.75
AM 51C	407-408	.152	.062	.162	.119	.057	.15	.118	2.45	2.09
AM 51C	408-409	.001	.036	.011	.008	.031	.01	.007	.03	.26
AM 51C	441-442	.063	.116	.061	.101	.116	.12	.118	.54	.87
AM 51C	445-446	.075	.096	.147	.070	.055	.09	.070	.78	1.27
AM 51C	446-447	.111	.019	.041	.077	.065	.09	.077	5.84	1.18
AM 79C	41-42	.024	.011	.007	.007	.009	.01	.007	2.18	.77
AM 113C	301-302	.030	.055	-	.027	.053	.04	.026	.55	.51
AM 119C	113.5-114	.044	.135	.028	.037	.133	.05	.046	.33	.28
AM 135C	385-386	.043	.065	.024	.031	.047	.05	.029	.66	.66
AM 135C	387-388	.025	.061	.030	.021	.045	.04	.019	.41	.46
AM 135C	458-459	.010	.054	.010	.009	.025	.01	.013	.19	.36
AM 135C	473-474	.273	.626	.190	.242	.616	.32	.285	.44	.39
AM 149C	392-393	.016	.045	.017	.025	.035	.03	.024	.36	.71
	TOTAL	1.047	1.786		0.976	1.606		1.062		
	AVG	0.050	0.085		0.046	0.076		0.051		

Skyline Laboratories confirmed Hazen Research results with very good precision. Unfortunately, there was not enough sample for Skyline to run closed cans except on five samples.

22 pulps previously run by Hazen were returned for rechecks. The results of these rechecks confirmed the previous values with only fair precision.

TABLE 6

Hazen Rechecks

Hole #	Depth	HAZEN Original Data Fluor.	B-γ	C.C.γ	HAZEN Rerun Data Fluor.	B-γ	C.C.γ	Original Diseq.Fac.	New Diseq.Fac
AM 223	90	.028	.03	.023	.024	.03	.024	1.22	1.00
AM 230	200	.015	.01	.019	.017	.02	.020	.79	.85
AM 238	60	.022	.05	.037	.037	.05	.039	.60	.95
AM 249	45	.053	.05	.041	.051	.07	.030	1.30	1.70
AM 253	20	.058	.06	.046	.051	.07	.045	1.26	1.14
AM 289	90	.036	.05	.038	.042	.04	.036	.95	1.17
AM 294	65	.040	.04	.039	.041	.05	.031	1.03	1.33
AM 323	145	.116	.12	.049	.124	-	-	2.37	-
AM 332	195	.193	.23	.181	.228	-	-	1.07	-
AM 338	355	.031	.04	.034	.040	.05	.036	.92	1.12
AM 340	310	.054	.07	.047	.066	-	-	1.15	-
AM 352	380	.082	.10	.061	.090	-	-	1.35	-
AM 352	425	.113	.02	.012	.013	-	-	9.42	-
AM 358	550	.031	.03	.022	.031	-	-	1.41	-
AM 359	540	.094	.10	.048	.088	-	-	1.96	-
AM 362	655	.020	.03	.032	.022	-	-	.63	-
AM 364	735	.037	.05	.034	.041	-	-	1.09	-
AM 368	365	.032	.04	.023	.031	-	-	1.40	-
AM 381	440	.089	.10	.066	.086	.11	.060	1.35	1.44
AM 430	505	.047	.06	.023	.049	-	-	2.05	-
AM 444	350	.009	<.01	.007	.009	-	-	1.29	-
AM 486	490	.007	.02	.007	.007	.01	.009	1.00	.78
	TOTAL (21)	1.094			1.175				
	AVG	0.052			0.056				

T. S. Hellinger did a good recheck of Chemical Geological against themselves at the time of his report. Unfortunately, they were not able to agree very well with previously reported results. The table below summarizes the recheck on colorimetric uranium run by Hellinger:

TABLE 7

CHEMICAL GEOLOGICAL RECHECKS

Sample	Previous Lab Number	Minerals B - 8	Chemical Geological 7/76 Lab Recheck U_3O_8% by wt	Chemical Geological 7/76 Reported U_3O_8% by wt	Chemical Geological 6/76 Reported U_3O_8% by wt	Chemical Geological 6/76 Lab Recheck U_3O_8% by wt
1	19776-17	.062	.055	0.050	0.021	0.022
2	19776-18	.053		0.039	0.030	
3	19776-21	.045	0.034	0.039	0.021	
4	19776-32	.061		0.039	0.034	
5	19776-34	.047		0.032	0.033	
6	19776-55	.053		0.044	0.032	
7	19775-56	.249		0.227	0.193	
8	19776-61	.147	0.067	0.075	0.030	
9	19776-62	.132	0.108	0.111	0.002	
10	19776-66	.029		0.011	0.009	
11	19776-67	.230		0.259	0.190	0.201
12	19776-68	.225		0.263	0.242	0.246
13	19776-70	.027		0.063	0.061	

On the last 39 holes analyzed by Skyline Laboratories a new approach to quality control was used. 30 pulps were obtained that all three laboratories had analyzed and had been able to agree on exactly. These pulps were labled "Anderson Standards" and were submitted to Skyline as every 10th sample. Skyline was within .002% of perfect agreement on all of these standards, Table 8 - Anderson Standards. All assays over .1% were checked using a long term wet chemical assay (volumetric analysis). Skyline provided this service at no extra cost to Minerals Exploration.

From the rechecks done, it appears that laboratory accuracy is within a few percent. Individual assays may not be correct, but these errors are few in number and tend to average out.

TABLE 8

ANDERSON STANDARDS

PREVIOUS LAB #	STANDARD #	% U_3O_8	PREVIOUS LAB
10866-38	1	.033	Hazen
19661-21	2	.052	Chem. Geo.
10866-107	3	.009	Hazen
19661-4	4	.020	Chem. Geo.
10723-50	5	.033	Hazen
20023-5	6	.009	Chem. Geo.
19776-6	7	.060	Chem. Geo
10866-38	8	.033	Hazen
10723-8	9	.028	Hazen
19661-4	10	.020	Chem. Geo.
10866-107	11	.009	Hazen
19776-10	12	.013	Chem. Goe.
10866-262	13	.067	Hazen
19661-21	14	.052	Chem. Geo.
10866-203	15	.042	Hazen
20023-5	16	.009	Chem. Geo.
19776-9	17	021	Chem. Geo.
10723-50	18	.033	Hazen
19776-8	19	.031	Chem. Geo
10866-173	20	.110	Hazen
15935-49	21	.450	Chem. Geo
10866-17	22	.033	Hazen
10958-102	23	.048	Hazen
15935-60	24	.018	Chem. Geo.

TABLE 8 (Cont'd)

PREVIOUS LAB #	STANDARD #	% U_3O_8	PREVIOUS LAB
11608-15	25	.019	Hazen
11168-20	26	.019	Hazen
10866-173	27	.110	Hazen
19776-9	28	.021	Chem. Geo.
15935-49	29	.450	Chem. Geo.
10866-17	30	.033	Hazen

Appendix 1

HOLE # AM1C AREA OF INFLUENCE 215354,0
N COORDINATE 1206162,7 E COORDINATE 89084,6
ELEVATION 1830,0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0,010	178194,9	158348,5	1,125
	0,010	178194,9	157292,9	1,133
	0,020	174605,6	157292,9	1,110
	0,030	174605,6	145680,6	1,199
	0,040	150536,7	138713,3	1,085
	0,050	140191,2	110210,6	1,272
	0,060	116122,3	99231,7	1,170

HOLE # AM2C AREA OF INFLUENCE 245128.0
N COORDINATE 1206611.1 E COORDINATE 89137.4
ELEVATION 1824.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	283098.8	341256.6	0.830
	0.010	283098.8	341256.6	0.830
	0.020	283098.8	341256.6	0.830
	0.030	271563.4	329480.9	0.824
	0.040	240321.6	329480.9	0.729
	0.050	240321.6	317705.1	0.756
	0.060	240321.6	304487.4	0.789

HOLE # AM7C AREA OF INFLUENCE 548472.0
N COORDINATE 1206159.5 E COORDINATE 90203.8
ELEVATION 1931.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	329083.2	282301.8	1.166
	0.010	322630.6	282301.8	1.143
	0.020	308112.2	282301.8	1.091
	0.030	308112.2	282301.8	1.091
	0.040	308112.2	215624.8	1.429
	0.050	283914.9	215624.8	1.317
	0.060	283914.9	215624.8	1.317

HOLE # AM10C AREA OF INFLUENCE 334072.0
N COORDINATE 1206400.2 E COORDINATE 82734.0
ELEVATION 1934.5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	268567.7	202735.8	1.325
	0.010	268567.7	202735.8	1.325
	0.020	268567.7	202735.8	1.325
	0.030	260379.6	202735.8	1.284
	0.040	250226.5	202735.8	1.234
	0.050	250226.5	186687.3	1.340
	0.060	250226.5	186687.3	1.340

HOLE # AM13C AREA OF INFLUENCE 412999,0
N COORDINATE 1205399,5 E COORDINATE 90200,1
ELEVATION 1940,0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0,010	85434,1	182205,4	0,469
	0,010	80170,4	182205,4	0,440
	0,020	68833,2	182205,4	0,378
	0,030	31177,4	163984,9	0,190
	0,040	19030,3	136046,7	0,140
	0,050	0,0	44944,0	0,000
	0,060	0,0	24699,0	0,000

HOLE # AM16C AREA OF INFLUENCE 205697.5
N COORDINATE 1205378.7 E COORDINATE 86013.0
ELEVATION 1772.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	372070.5	431158.1	0.863
	0.010	370860.5	431158.1	0.860
	0.020	361785.6	429141.5	0.843
	0.030	355937.3	418453.3	0.851
	0.040	327502.7	382355.4	0.857
	0.050	282934.9	355534.0	0.796
	0.060	262163.5	333754.3	0.785

HOLE # AM17C AREA OF INFLUENCE 475156.0
N COORDINATE 1205482.2 E COORDINATE 83097.4
ELEVATION 1718.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	172360.5	141149.3	1.221
	0.010	167702.1	141149.3	1.188
	0.020	167702.1	120652.4	1.390
	0.030	145807.7	120652.4	1.208
	0.040	113664.8	47515.6	2.392
	0.050	95031.2	47515.6	2.000
	0.060	40062.2	0.0	*******

HOLE # AM18C AREA OF INFLUENCE 184496.0
N COORDINATE 1205287.7 E COORDINATE 87905.7
ELEVATION 1870.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	179431.4	166408.2	1.078
	0.010	178165.3	166408.2	1.071
	0.020	178165.3	163514.1	1.090
	0.030	174005.1	153927.5	1.130
	0.040	161524.4	141085.2	1.145
	0.050	146330.7	124444.4	1.176
	0.060	115219.6	114857.8	1.003

HOLE # AM22C AREA OF INFLUENCE 474576.0
N COORDINATE 1204433.3 E COORDINATE 87157.6
ELEVATION 1946.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	117248.2	110269.1	1.063
	0.010	117248.2	110269.1	1.063
	0.020	117248.2	110269.1	1.063
	0.030	104220.6	110269.1	0.945
	0.040	88866.7	93519.4	0.950
	0.050	88866.7	93519.4	0.950
	0.060	88866.7	67464.2	1.317

HOLE # AM26C AREA OF INFLUENCE 393402.0
N COORDINATE 1204234.1 E COORDINATE 88652.9
ELEVATION 2032.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	540349.2	460511.8	1.173
	0.010	535721.0	458969.0	1.167
	0.020	519136.4	451640.9	1.149
	0.030	519136.4	424257.1	1.224
	0.040	482110.3	388002.4	1.243
	0.050	414614.9	334777.4	1.238
	0.060	351362.0	334777.4	1.050

HOLE # AM28C AREA OF INFLUENCE 287332.5
N COORDINATE 1204753.6 E COORDINATE 89223.5
ELEVATION 1853.5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	45071.8	19718.9	2.286
	0.010	45071.8	19718.9	2.286
	0.020	45071.8	19718.9	2.286
	0.030	45071.8	11549.6	3.902
	0.040	35494.0	11549.6	3.073
	0.050	35494.0	0.0	*******
	0.060	35494.0	0.0	*******

HOLE # AM40C AREA OF INFLUENCE 428799.0
N COORDINATE 1206907.4 E COORDINATE 88347.5
ELEVATION 1804.5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	28166.2	78613.1	0.358
	0.010	24803.1	78613.1	0.316
	0.020	24803.1	78613.1	0.316
	0.030	24803.1	78613.1	0.316
	0.040	24803.1	78613.1	0.316
	0.050	24803.1	59275.2	0.418
	0.060	0.0	34472.1	0.000

HOLE # AM49C AREA OF INFLUENCE 977510.0
N COORDINATE 1204873.8 E COORDINATE 84333.7
ELEVATION 2013.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	582672.6	641131.6	0.909
	0.010	575005.9	641131.6	0.897
	0.020	559672.4	606631.2	0.923
	0.030	540505.5	606631.2	0.891
	0.040	410170.9	508880.2	0.806
	0.050	371837.1	469588.1	0.792
	0.060	316253.2	469588.1	0.673

HOLE # AM51C AREA OF INFLUENCE 489216.5
N COORDINATE 1205241.0 E COORDINATE 85524.0
ELEVATION 1907.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	1123279.5	1040784.1	1.079
	0.010	1112727.7	1040784.1	1.069
	0.020	1079633.7	1040784.1	1.037
	0.030	1037426.8	1016323.3	1.021
	0.040	1020639.9	861884.4	1.184
	0.050	980351.5	822075.6	1.193
	0.060	980351.5	798094.4	1.228

HOLE # AM63C AREA OF INFLUENCE 493140,0
N COORDINATE 1206492,5 E COORDINATE 82399,9
ELEVATION 1910,5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0,010	197256,0	232065,9	0,850
	0,010	191937,8	232065,9	0,827
	0,020	191937,8	232065,9	0,827
	0,030	191937,8	221429,5	0,867
	0,040	173565,9	204024,6	0,851
	0,050	173565,9	204024,6	0,851
	0,060	173565,9	178400,6	0,973

HOLE # AM67C AREA OF INFLUENCE 492677.0
N COORDINATE 1206097.7 E COORDINATE 82380.7
ELEVATION 1801.5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	5796.2	41539.4	0.140
	0.010	4830.2	41539.4	0.116
	0.020	0.0	41539.4	0.000
	0.030	0.0	41539.4	0.000
	0.040	0.0	41539.4	0.000
	0.050	0.0	0.0	*******
	0.060	0.0	0.0	*******

HOLE # AM68C AREA OF INFLUENCE 376446.0
N COORDINATE 1205680.3 E COORDINATE 83138.5
ELEVATION 1698.5

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0.010	348028.0	546953.9	0.636
0.010	325515.1	540310.7	0.602
0.020	325515.1	534774.8	0.609
0.030	315919.4	534774.8	0.591
0.040	288977.7	473879.1	0.610
0.050	288977.7	420733.8	0.687
0.060	267202.8	383458.2	0.697

HOLE # AM71C AREA OF INFLUENCE 408408.0
N COORDINATE 1205693.8 E COORDINATE 82715.1
ELEVATION 1693.5

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0.010	223423.2	228628.4	0.977
0.010	223423.2	228628.4	0.977
0.020	223423.2	228628.4	0.977
0.030	181381.2	219819.6	0.825
0.040	168968.8	161361.2	1.047
0.050	116116.0	88888.8	1.306
0.060	96096.0	88888.8	1.081

HOLE # AM79C AREA OF INFLUENCE 857656.0
N COORDINATE 1204724.0 E COORDINATE 91527.0
ELEVATION 1905.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	47087.0	63903.8	0.737
	0.010	47087.0	63903.8	0.737
	0.020	47087.0	63903.8	0.737
	0.030	29429.4	63903.8	0.461
	0.040	0.0	34474.4	0.000
	0.050	0.0	0.0	*******
	0.060	0.0	0.0	*******

HOLE # AM88C AREA OF INFLUENCE 598748.0
N COORDINATE 1205146.2 E COORDINATE 91124.0
ELEVATION 1950.0

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0.010	83355.1	88638.2	0.940
0.010	81007.1	88638.2	0.914
0.020	81007.1	82181.1	0.986
0.030	81007.1	82181.1	0.986
0.040	58700.8	64570.9	0.909
0.050	34633.5	35807.5	0.967
0.060	0.0	35807.5	0.000

HOLE # AM106C AREA OF INFLUENCE 245451.5
N COORDINATE 1206029.6 E COORDINATE 88777.1
ELEVATION 1922.5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	144142.6	179516.5	0.803
	0.010	144142.6	179516.5	0.803
	0.020	139089.2	179516.5	0.775
	0.030	134035.8	179516.5	0.747
	0.040	125613.4	146067.7	0.860
	0.050	103715.3	135479.6	0.766
	0.060	103715.3	121763.2	0.852

HOLE # AM107C AREA OF INFLUENCE 245063.1
N COORDINATE 1205492.1 E COORDINATE 89059.7
ELEVATION 1918.5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	115564.1	119648.5	0.966
	0.010	115564.1	119648.5	0.966
	0.020	111479.7	119648.5	0.932
	0.030	111479.7	108836.9	1.024
	0.040	80246.2	93940.9	0.854
	0.050	58863.2	82648.7	0.712
	0.060	45168.5	56941.1	0.793

HOLE # AM113C AREA OF INFLUENCE 249903.1
N COORDINATE 1205174.0 E COORDINATE 89144.0
ELEVATION 1883.0

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0.010	106821.3	133281.7	0.801
0.010	103146.3	133281.7	0.774
0.020	103146.3	133281.7	0.774
0.030	97756.2	133281.7	0.733
0.040	82566.0	117356.5	0.704
0.050	82566.0	84526.1	0.977
0.060	55370.7	84526.1	0.655

HOLE # AM119C AREA OF INFLUENCE 291031.0
N COORDINATE 1206422.0 E COORDINATE 88375.0
ELEVATION 1824.0

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0.010	218843.9	177757.2	1.231
0.010	216846.6	177757.2	1.220
0.020	208857.5	177757.2	1.175
0.030	208857.5	171480.0	1.218
0.040	208857.5	162920.3	1.282
0.050	183463.7	138382.4	1.326
0.060	183463.7	124116.2	1.478

HOLE # AM127C AREA OF INFLUENCE 703592.0
N COORDINATE 1207186.0 E COORDINATE 88778.0
ELEVATION 1868.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	0.0	0.0	*******
	0.010	0.0	0.0	*******
	0.020	0.0	0.0	*******
	0.030	0.0	0.0	*******
	0.040	0.0	0.0	*******
	0.050	0.0	0.0	*******
	0.060	0.0	0.0	*******

HOLE # AM129C AREA OF INFLUENCE 229667.0
N COORDINATE 1205199.1 E COORDINATE 88352.1
ELEVATION 1870.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	339772.1	320408.0	1.060
	0.010	339772.1	320408.0	1.060
	0.020	337520.4	320408.0	1.053
	0.030	320182.8	308474.3	1.038
	0.040	304871.7	301269.1	1.012
	0.050	274249.4	272673.3	1.006
	0.060	262991.2	236196.7	1.113

HOLE # AM135C AREA OF INFLUENCE 155808,0
N COORDINATE 1205629,0 E COORDINATE 86736,0
ELEVATION 1994,0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0,010	321544,9	407392,1	0,789
	0,010	319406,4	406170,1	0,786
	0,020	317726,1	404031,5	0,786
	0,030	313907,3	399754,4	0,785
	0,040	299090,3	399754,4	0,748
	0,050	292216,4	379132,8	0,771
	0,060	258305,2	352706,5	0,732

HOLE # AM136C AREA OF INFLUENCE 181249.0
N COORDINATE 1205601.1 E COORDINATE 86369.5
ELEVATION 1912.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	446547.8	544635.5	0.820
	0.010	445126.2	544635.5	0.817
	0.020	436419.2	544635.5	0.801
	0.030	431799.1	540548.5	0.799
	0.040	425579.8	527932.1	0.806
	0.050	387197.6	520113.6	0.744
	0.060	367118.1	500567.1	0.733

HOLE # AM149C AREA OF INFLUENCE 205868.0
N COORDINATE 1204822.0 E COORDINATE 87149.0
ELEVATION 2000.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	128970.2	177207.9	0.728
	0.010	127759.3	177207.9	0.721
	0.020	122511.6	177207.9	0.691
	0.030	113227.4	171354.8	0.661
	0.040	84567.3	141483.8	0.598
	0.050	75081.3	105356.0	0.713
	0.060	64989.7	82549.0	0.787

HOLE # AM152C1 AREA OF INFLUENCE 448544.0
N COORDINATE 1206455.5 E COORDINATE 86731.4
ELEVATION 1870.5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	27264.4	104220.5	0.262
	0.010	23746.4	104220.5	0.228
	0.020	19349.0	104220.5	0.186
	0.030	19349.0	104220.5	0.186
	0.040	19349.0	104220.5	0.186
	0.050	0.0	104220.5	0.000
	0.060	0.0	81353.6	0.000

HOLE # AM156C AREA OF INFLUENCE 293300.0
N COORDINATE 0.0 E COORDINATE 0.0
ELEVATION 0.0

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0.010	299913.6	343908.6	0.872
0.010	296750.6	343621.1	0.864
0.020	285248.6	343621.1	0.830
0.030	272308.9	343621.1	0.792
0.040	252468.0	302214.0	0.835
0.050	238665.7	290137.0	0.823
0.060	223713.1	210773.4	1.061

HOLE # AM171C AREA OF INFLUENCE 593984,1
N COORDINATE 1203950,8 E COORDINATE 89129,0
ELEVATION 2034,5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0,010	234682,0	195083,0	1,203
	0,010	234682,0	193918,3	1,210
	0,020	217794,2	193918,3	1,123
	0,030	201488,7	178195,2	1,131
	0,040	164219,1	82109,6	2,000
	0,050	140343,3	32610,9	4,304
	0,060	45422,3	0,0	*******

HOLE # AM184C AREA OF INFLUENCE 391739.0
N COORDINATE 1204407.0 E COORDINATE 87543.0
ELEVATION 1982.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	470086.8	390202.8	1.205
	0.010	469702.7	390202.8	1.204
	0.020	465094.0	390202.8	1.192
	0.030	439746.2	344115.8	1.278
	0.040	390202.8	261159.3	1.494
	0.050	354485.4	244260.8	1.451
	0.060	333362.2	180507.2	1.847

HOLE # AM222C AREA OF INFLUENCE 1169704.0
N COORDINATE 1204359.0 E COORDINATE 92986.0
ELEVATION 1942.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	224766.7	254582.6	0.883
	0.010	217886.0	254582.6	0.856
	0.020	199537.7	254582.6	0.784
	0.030	199537.7	254582.6	0.784
	0.040	162841.1	254582.6	0.640
	0.050	162841.1	202978.0	0.802
	0.060	162841.1	77980.3	2.088

HOLE # AM229C AREA OF INFLUENCE 867608,0
N COORDINATE 1204548,0 E COORDINATE 90729,0
ELEVATION 1943,0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0,010	246672,9	141198,9	1,747
	0,010	246672,9	138647,2	1,779
	0,020	238166,9	126738,8	1,879
	0,030	238166,9	82507,8	2,887
	0,040	156509,7	82507,8	1,897
	0,050	156509,7	0,0	*******
	0,060	156509,7	0,0	*******

HOLE # AM244C AREA OF INFLUENCE 643248.0
N COORDINATE 1205744.0 E COORDINATE 90744.0
ELEVATION 1935.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	0.0	0.0	*******
	0.010	0.0	0.0	*******
	0.020	0.0	0.0	*******
	0.030	0.0	0.0	*******
	0.040	0.0	0.0	*******
	0.050	0.0	0.0	*******
	0.060	0.0	0.0	*******

HOLE # AM254C AREA OF INFLUENCE 1039472.0
N COORDINATE 1207154.5 E COORDINATE 90156.6
ELEVATION 0.0

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0.010	36687.2	278211.6	0.132
0.010	29553.6	278211.6	0.106
0.020	0.0	278211.6	0.000
0.030	0.0	278211.6	0.000
0.040	0.0	278211.6	0.000
0.050	0.0	278211.6	0.000
0.060	0.0	224199.8	0.000

HOLE # AM258C AREA OF INFLUENCE 223930.7
N COORDINATE 1205749.5 E COORDINATE 90128.8
ELEVATION 1912.5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	162679.1	174534.2	0.932
	0.010	162679.1	174534.2	0.932
	0.020	156312.4	174534.2	0.896
	0.030	133699.8	169045.7	0.791
	0.040	126235.4	131504.4	0.960
	0.050	106037.8	111745.8	0.949
	0.060	93963.1	111745.8	0.841

HOLE # AM273C AREA OF INFLUENCE 239872.0
N COORDINATE 1205738.3 E COORDINATE 89548.1
ELEVATION 0.0

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0.010	126050.4	97359.8	1.295
0.010	123933.9	97359.8	1.273
0.020	120406.3	91245.4	1.320
0.030	107707.2	85131.0	1.265
0.040	93597.1	52442.6	1.785
0.050	73372.6	43035.9	1.705
0.060	73372.6	43035.9	1.705

HOLE # AM274C AREA OF INFLUENCE 439440.0
N COORDINATE 1206709.1 E COORDINATE 89340.5
ELEVATION 0.0

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0.010	27141.9	125369.6	0.216
0.010	25418.6	125369.6	0.203
0.020	20679.5	125369.6	0.165
0.030	20679.5	125369.6	0.165
0.040	20679.5	111583.3	0.185
0.050	0.0	91334.6	0.000
0.060	0.0	65916.0	0.000

HOLE # AM275C AREA OF INFLUENCE 440548.0
N COORDINATE 1206740.0 E COORDINATE 87791.8
ELEVATION 0.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	402539.9	297153.9	1.355
	0.010	400812.3	297153.9	1.349
	0.020	400812.3	297153.9	1.349
	0.030	391310.3	286356.2	1.367
	0.040	391310.3	286356.2	1.367
	0.050	391310.3	267352.2	1.464
	0.060	391310.3	245324.8	1.595

HOLE # AM281C AREA OF INFLUENCE 328250.9
N COORDINATE 1205360.7 E COORDINATE 89749.7
ELEVATION 1899.5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	117784.1	222695.7	0.529
	0.010	117784.1	222695.7	0.529
	0.020	102015.2	222695.7	0.458
	0.030	84959.0	215293.9	0.395
	0.040	84959.0	193732.4	0.439
	0.050	58570.3	135162.1	0.433
	0.060	42479.5	135162.1	0.314

HOLE # AM286C AREA OF INFLUENCE 302412.5
N COORDINATE 1206160.3 E COORDINATE 89549.7
ELEVATION 1858.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	105844.4	117407.2	0.902
	0.010	104658.4	117407.2	0.891
	0.020	99025.3	117407.2	0.843
	0.030	93095.6	117407.2	0.793
	0.040	71452.4	96356.9	0.742
	0.050	71452.4	71155.9	1.004
	0.060	53959.9	55738.8	0.968

HOLE # AM289C AREA OF INFLUENCE 224144.0
N COORDINATE 1205568.5 E COORDINATE 88533.9
ELEVATION 1830.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	137123.4	183050.9	0.749
	0.010	134925.9	183050.9	0.737
	0.020	131849.4	183050.9	0.720
	0.030	117346.0	174041.2	0.674
	0.040	94492.1	151187.3	0.625
	0.050	64386.5	110533.8	0.583
	0.060	64386.5	75154.2	0.857

HOLE # AM308C AREA OF INFLUENCE 437980.0
N COORDINATE 1206613.0 E COORDINATE 87355.3
ELEVATION 1768.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	26622.3	35639.5	0.747
	0.010	26622.3	35639.5	0.747
	0.020	26622.3	35639.5	0.747
	0.030	15887.5	35639.5	0.446
	0.040	0.0	18893.3	0.000
	0.050	0.0	0.0	*******
	0.060	0.0	0.0	*******

HOLE # AM322C AREA OF INFLUENCE 196480.0
N COORDINATE 1206183.3 E COORDINATE 87929.1
ELEVATION 1808.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	77243.6	69345.9	1.114
	0.010	77051.0	67612.2	1.140
	0.020	74546.8	67612.2	1.103
	0.030	74546.8	67612.2	1.103
	0.040	74546.8	61062.9	1.221
	0.050	66649.1	51624.2	1.291
	0.060	55669.3	41607.5	1.338

HOLE # AM323C AREA OF INFLUENCE 280636.0
N COORDINATE 1206220.8 E COORDINATE 87540.5
ELEVATION 1786.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	277884.7	286413.8	0.970
	0.010	277884.7	286413.8	0.970
	0.020	274858.2	286413.8	0.960
	0.030	253948.1	286413.8	0.887
	0.040	253948.1	286413.8	0.887
	0.050	253948.1	275133.3	0.923
	0.060	253948.1	260001.0	0.977

HOLE # AM325C AREA OF INFLUENCE 204019.0
N COORDINATE 1205993.7 E COORDINATE 88136.0
ELEVATION 1822.5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	726867.7	568853.0	1.278
	0.010	726867.7	568853.0	1.278
	0.020	726867.7	568853.0	1.278
	0.030	721267.2	568853.0	1.268
	0.040	721267.2	568853.0	1.268
	0.050	721267.2	568853.0	1.268
	0.060	710866.2	568853.0	1.250

HOLE # AM336C AREA OF INFLUENCE 179502,0
N COORDINATE 1205565,7 E COORDINATE 88152,4
ELEVATION 1837,0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0,010	49451,0	111396,8	0,444
	0,010	49451,0	111396,8	0,444
	0,020	46987,3	111396,8	0,422
	0,030	41883,8	111396,8	0,376
	0,040	35020,5	97846,2	0,358
	0,050	35020,5	97846,2	0,358
	0,060	35020,5	97846,2	0,358

HOLE # AM337C AREA OF INFLUENCE 210324.0
N COORDINATE 1205564.0 E COORDINATE 87335.6
ELEVATION 2013.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	26393.6	34435.4	0.766
	0.010	26393.6	34435.4	0.766
	0.020	26393.6	34435.4	0.766
	0.030	21032.4	29074.2	0.723
	0.040	21032.4	29074.2	0.723
	0.050	11753.4	19589.0	0.600
	0.060	0.0	19589.0	0.000

HOLE # AM338C AREA OF INFLUENCE 98517.8
N COORDINATE 1205456.3 E COORDINATE 87545.2
ELEVATION 1921.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	79973.2	117738.4	0.679
	0.010	78234.7	117738.4	0.664
	0.020	75337.1	117738.4	0.640
	0.030	70314.6	117738.4	0.597
	0.040	67127.3	104119.7	0.645
	0.050	63167.3	99870.0	0.632
	0.060	63167.3	89052.3	0.709

HOLE # AM345C AREA OF INFLUENCE 242124.0
N COORDINATE 1204978.3 E COORDINATE 87530.2
ELEVATION 1950.5

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0.010	422292.7	258977.7	1.631
0.010	413747.2	258977.7	1.598
0.020	409474.4	255179.7	1.605
0.030	409474.4	248295.8	1.649
0.040	401403.6	233578.4	1.718
0.050	401403.6	190138.6	2.111
0.060	401403.6	190138.6	2.111

HOLE # AM351C AREA OF INFLUENCE 502080.0
N COORDINATE 1204496.8 E COORDINATE 89636.0
ELEVATION 1875.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	109768.5	103369.4	1.062
	0.010	109768.5	103369.4	1.062
	0.020	109768.5	103369.4	1.062
	0.030	85156.7	103369.4	0.824
	0.040	68912.9	68420.7	1.007
	0.050	68912.9	25596.2	2.692
	0.060	43316.7	0.0	*******

HOLE # AM371C AREA OF INFLUENCE 198280.0
N COORDINATE 1205812.6 E COORDINATE 86934.7
ELEVATION 2009.5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	606892.3	692424.9	0.876
	0.010	604754.0	692424.9	0.873
	0.020	598922.2	689509.0	0.869
	0.030	582398.9	689509.0	0.845
	0.040	582398.9	667737.1	0.872
	0.050	582398.9	667737.1	0.872
	0.060	540604.6	647131.5	0.835

HOLE # AM373C AREA OF INFLUENCE 190752.0
N COORDINATE 1206212.5 E COORDINATE 86521.4
ELEVATION 2029.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	65641.1	63958.0	1.026
	0.010	63958.0	63958.0	1.000
	0.020	57786.6	61152.8	0.945
	0.030	57786.6	61152.8	0.945
	0.040	44321.8	49184.1	0.901
	0.050	44321.8	49184.1	0.901
	0.060	44321.8	38150.4	1.162

HOLE # AM384C AREA OF INFLUENCE 192486,0
N COORDINATE 1205218,7 E COORDINATE 86527,7
ELEVATION 1939,0

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0,010	222868,6	167198,6	1,333
0,010	221358,9	167198,6	1,324
0,020	216075,0	167198,6	1,292
0,030	216075,0	167198,6	1,292
0,040	202865,1	154177,5	1,316
0,050	202865,1	137570,9	1,475
0,060	202865,1	137570,9	1,475

HOLE # AM388C AREA OF INFLUENCE 216509.0
N COORDINATE 1205212.1 E COORDINATE 86938.7
ELEVATION 1908.5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	414551.1	333254.1	1.244
	0.010	411579.4	333254.1	1.235
	0.020	407758.6	330494.6	1.234
	0.030	386320.0	325400.3	1.187
	0.040	351084.2	298442.8	1.176
	0.050	323702.2	261296.6	1.239
	0.060	312027.7	193584.5	1.612

HOLE # AM388V AREA OF INFLUENCE 1169700,0
N COORDINATE 1208000,0 E COORDINATE 94000,0
ELEVATION 1906,0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0,010	2591688,2	2216696,2	1,169
	0,010	2591688,2	2213255,9	1,171
	0,020	2577927,0	2165091,8	1,191
	0,030	2545817,6	2135275,9	1,192
	0,040	2465544,1	2097432,7	1,176
	0,050	2465544,1	2042388,0	1,207
	0,060	2348574,1	2042388,0	1,150

HOLE # AM390C AREA OF INFLUENCE 165687.5
N COORDINATE 1206214.0 E COORDINATE 86787.0
ELEVATION 1916.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	19005.3	34437.0	0.552
	0.010	18355.6	34437.0	0.533
	0.020	18355.6	34437.0	0.533
	0.030	18355.6	34437.0	0.533
	0.040	18355.6	34437.0	0.533
	0.050	18355.6	34437.0	0.533
	0.060	18355.6	25015.6	0.734

HOLE # AM396C AREA OF INFLUENCE 421460,0
N COORDINATE 1205886,3 E COORDINATE 85977,3
ELEVATION 1772,0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0,010	605332,3	320640,2	1,888
	0,010	603679,5	320640,2	1,883
	0,020	596655,1	320640,2	1,861
	0,030	584672,5	309070,7	1,892
	0,040	584672,5	294608,8	1,985
	0,050	584672,5	294608,8	1,985
	0,060	561120,3	294608,8	1,905

HOLE # AM412C AREA OF INFLUENCE 361184.0
N COORDINATE 1206104.0 E COORDINATE 86179.0
ELEVATION 1802.0

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0.010	527257.8	381013.7	1.384
0.010	527257.8	381013.7	1.384
0.020	523716.8	381013.7	1.375
0.030	523716.8	381013.7	1.375
0.040	523716.8	381013.7	1.375
0.050	506719.9	381013.7	1.330
0.060	506719.9	381013.7	1.330

HOLE # AM419C AREA OF INFLUENCE 561560.0
N COORDINATE 1204833.4 E COORDINATE 88103.9
ELEVATION 2003.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	556605.1	610008.3	0.912
	0.010	547245.7	605603.9	0.904
	0.020	525223.8	605603.9	0.867
	0.030	497696.3	605603.9	0.822
	0.040	444293.1	514212.8	0.864
	0.050	417866.7	469618.3	0.890
	0.060	327576.7	349598.6	0.937

HOLE # AM422C AREA OF INFLUENCE 559011.5
N COORDINATE 1204637.5 E COORDINATE 85733.7
ELEVATION 1915.0

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0.010	306908.3	203874.8	1.505
0.010	306908.3	199490.4	1.538
0.020	306908.3	199490.4	1.538
0.030	291014.8	131532.1	2.213
0.040	179760.6	60285.6	2.982
0.050	105773.7	60285.6	1.755
0.060	105773.7	0.0	*******

HOLE # AM427C AREA OF INFLUENCE 705294.3
N COORDINATE 1203961.3 E COORDINATE 89699.2
ELEVATION 2078.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	618169.7	661732.0	0.934
	0.010	616095.3	661732.0	0.931
	0.020	596042.8	661732.0	0.901
	0.030	546948.8	661732.0	0.827
	0.040	520673.1	640988.0	0.812
	0.050	520673.1	514449.9	1.012
	0.060	520673.1	439771.7	1.184

HOLE # AM431C AREA OF INFLUENCE 304040.0
N COORDINATE 1204772.4 E COORDINATE 88138.5
ELEVATION 2055.0

CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT 0.010	140394.9	115654.4	1.214
0.010	139500.7	115654.4	1.206
0.020	139500.7	106115.9	1.315
0.030	131750.7	97471.6	1.352
0.040	90019.7	67961.9	1.325
0.050	90019.7	54548.4	1.650
0.060	57231.1	54548.4	1.049

HOLE # AM435C AREA OF INFLUENCE 302456,0
N COORDINATE 1206039,0 E COORDINATE 82897,0
ELEVATION 1797,0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0,010	105859,6	122168,5	0,867
	0,010	105563,1	122168,5	0,864
	0,020	105563,1	117127,6	0,901
	0,030	96963,8	117127,6	0,828
	0,040	86585,4	117127,6	0,739
	0,050	48926,7	75910,5	0,645
	0,060	48926,7	43885,8	1,115

HOLE # AM434C AREA OF INFLUENCE 956971.0
N COORDINATE 1204674.0 E COORDINATE 83565.0
ELEVATION 2002.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	41281.1	22517.0	1.833
	0.010	41281.1	22517.0	1.833
	0.020	41281.1	22517.0	1.833
	0.030	41281.1	0.0	*******
	0.040	41281.1	0.0	*******
	0.050	0.0	0.0	*******
	0.060	0.0	0.0	*******

HOLE # AM436C AREA OF INFLUENCE 208892.0
N COORDINATE 1206476.0 E COORDINATE 82589.0
ELEVATION 1938.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	46283.9	76798.5	0.603
	0.010	46283.9	76798.5	0.603
	0.020	46283.9	76798.5	0.603
	0.030	46283.9	76798.5	0.603
	0.040	40140.0	69425.9	0.578
	0.050	40140.0	69425.9	0.578
	0.060	40140.0	69425.9	0.578

HOLE # AM443C AREA OF INFLUENCE 227466.0
N COORDINATE 1205018.1 E COORDINATE 85960.6
ELEVATION 1809.5

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	308640.1	297935.9	1.036
	0.010	305964.1	295928.8	1.034
	0.020	293475.7	283440.5	1.035
	0.030	272513.2	278534.4	0.978
	0.040	242407.4	271844.2	0.892
	0.050	193123.1	211186.6	0.914
	0.060	193123.1	161679.3	1.194

HOLE # AM444C AREA OF INFLUENCE 469302.0
N COORDINATE 1204777.0 E COORDINATE 86534.0
ELEVATION 1875.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	536936.7	335412.9	1.601
	0.010	535556.4	335412.9	1.597
	0.020	509790.8	318389.2	1.601
	0.030	509790.8	276520.1	1.844
	0.040	466541.4	232350.5	2.008
	0.050	421911.7	232350.5	1.816
	0.060	374061.3	232350.5	1.610

HOLE # AM486C AREA OF INFLUENCE 547400.0
N COORDINATE 1204200.0 E COORDINATE 88103.9
ELEVATION 2003.0

	CUTOFF GRADE	# POUNDS CHEM	# POUNDS GAMMA	RATIO
LT	0.010	376740.0	297313.3	1.267
	0.010	376740.0	297313.3	1.267
	0.020	363860.0	291946.7	1.246
	0.030	348833.3	277456.7	1.257
	0.040	348833.3	219496.7	1.589
	0.050	348833.3	196420.0	1.776
	0.060	290336.7	137386.7	2.113

Appendix 2

R.E.F. VALUES .02% U_3O_8 CUTOFF

HOLE # AM1C N COORDINATE 1206162.7
ELEVATION 1830.0 E COORDINATE 89084.6
K-FACTOR OF LOG: 0.23E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
61.0	1769.0	.005	.056	11.200
65.0	1765.0	.026	.015	0.577
66.0	1764.0	.018	.023	1.278
67.0	1763.0	.026	.061	2.346
68.0	1762.0	.029	.036	1.241
95.0	1735.0	.029	.004	0.138
96.0	1734.0	.105	.058	0.552
97.0	1733.0	.052	.049	0.942
100.0	1730.0	.025	.017	0.680
101.0	1729.0	.117	.168	1.436
102.0	1728.0	.028	.010	0.357
105.0	1725.0	.063	.069	1.095
106.0	1724.0	.045	.039	0.867
110.0	1720.0	.020	.022	1.100
111.0	1719.0	.028	.025	0.893
112.0	1718.0	.043	.039	0.907
113.0	1717.0	.098	.077	0.786
114.0	1716.0	.033	.017	0.515
115.0	1715.0	.087	.080	0.920
116.0	1714.0	.047	.095	2.021
	TOTAL	0.924	0.960	
	TOTAL CHEM/TOTAL GAMMA =		1.039	

HOLE # AM2C N COORDINATE 1206611.1
ELEVATION 1824.0 E COORDINATE 89137.4
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
70.0	1754.0	.094	.034	0.362
71.0	1753.0	.158	.022	0.139
72.0	1752.0	.049	.026	0.531
76.0	1748.0	.022	.007	0.318
77.0	1747.0	.029	.033	1.138
78.0	1746.0	.145	.212	1.462
79.0	1745.0	.091	.031	0.341
80.0	1744.0	.177	.126	0.712
81.0	1743.0	.413	.502	1.215
82.0	1742.0	.189	.066	0.349
83.0	1741.0	.055	.094	1.709
84.0	1740.0	.020	.032	1.600
TOTAL		1.442	1.185	
TOTAL CHEM/TOTAL GAMMA =			0.822	

HOLE # AM7C N COORDINATE 1206159.5
ELEVATION 1931.0 E COORDINATE 90203.8
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
18.0	1913.0	.033	.009	0.273
19.0	1912.0	.078	.212	2.718
20.0	1911.0	.223	.316	1.417
21.0	1910.0	.100	.045	0.450
22.0	1909.0	.031	.003	0.097
96.0	1835.0	.017	.027	1.588
98.0	1833.0	.029	.009	0.310
99.0	1832.0	.030	.016	0.533
100.0	1831.0	.030	.011	0.367
101.0	1830.0	.024	.007	0.292
TOTAL		0.595	0.655	
TOTAL CHEM/TOTAL GAMMA =			1.101	

HOLE # AM10C N COORDINATE 1206400.2
ELEVATION 1934.5 E COORDINATE 82734.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
243.0	1691.5	.187	.446	2.385
244.0	1690.5	.150	.146	0.973
304.0	1630.5	.089	.106	1.191
305.0	1629.5	.049	.031	0.633
306.0	1628.5	.021	.024	1.143
308.0	1626.5	.061	.025	0.410
309.0	1625.5	.083	.066	0.795

TOTAL 0.640 0.844
TOTAL CHEM/TOTAL GAMMA = 1.319

HOLE # AM13C N COORDINATE 1205399.5
ELEVATION 1940.0 E COORDINATE 90200.1
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
118.0	1822.0	.021	.003	0.143
125.0	1815.0	.020	.047	2.350
126.0	1814.0	.029	.018	0.621
127.0	1813.0	.017	.022	1.294
128.0	1812.0	.047	.001	0.021
129.0	1811.0	.050	.007	0.140
130.0	1810.0	.025	.030	1.200
131.0	1809.0	.041	.022	0.537
132.0	1808.0	.026	.005	0.192
133.0	1807.0	.040	.017	0.425
134.0	1806.0	.061	.024	0.393
135.0	1805.0	.049	.011	0.224
136.0	1804.0	.036	.024	0.667
137.0	1803.0	.048	.023	0.479
138.0	1802.0	.033	.005	0.152
TOTAL		0.543	0.259	
TOTAL CHEM/TOTAL GAMMA =			0.477	

HOLE # AM16C N COORDINATE 1205378.7
ELEVATION 1772.0 E COORDINATE 86013.0
K-FACTOR OF LOG: 0.23E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
249.0	1523.0	.036	.010	0.278
250.0	1522.0	.155	.066	0.426
251.0	1521.0	.343	.451	1.315
252.0	1520.0	.135	.314	2.326
253.0	1519.0	.029	.009	0.310
272.0	1500.0	.034	.001	0.029
273.0	1499.0	.086	.073	0.849
274.0	1498.0	.096	.086	0.896
275.0	1497.0	.028	.007	0.250
293.0	1479.0	.135	.047	0.348
294.0	1478.0	.239	.005	0.021
299.0	1473.0	.036	.067	1.861
300.0	1472.0	.087	.053	0.609
301.0	1471.0	.085	.064	0.753
302.0	1470.0	.063	.033	0.524
303.0	1469.0	.047	.036	0.766
304.0	1468.0	.056	.050	0.893
305.0	1467.0	.097	.029	0.299
306.0	1466.0	.134	.179	1.336
309.0	1463.0	.039	.019	0.487
310.0	1462.0	.044	.049	1.114
311.0	1461.0	.042	.041	0.976
312.0	1460.0	.052	.040	0.769
313.0	1459.0	.024	.033	1.375
314.0	1458.0	.034	.016	0.471
315.0	1457.0	.029	.044	1.517
316.0	1456.0	.010	.039	3.900

TOTAL 2.195 1.861
TOTAL CHEM/TOTAL GAMMA = 0.848

HOLE # AM17C N COORDINATE 1205482.2
ELEVATION 1718.0 E COORDINATE 83097.4
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
105.0	1613.0	.033	.004	0.121
106.0	1612.0	.022	.006	0.273
107.0	1611.0	.028	.010	0.357
132.0	1586.0	.022	.008	0.364
133.0	1585.0	.030	.040	1.333
134.0	1584.0	.028	.012	0.429
135.0	1583.0	.017	.030	1.765
137.0	1581.0	.023	.007	0.304
138.0	1580.0	.024	.028	1.167
139.0	1579.0	.031	.006	0.194
140.0	1578.0	.027	.017	0.630
145.0	1573.0	.021	.003	0.143
148.0	1570.0	.021	.011	0.524
149.0	1569.0	.033	.023	0.697
150.0	1568.0	.030	.024	0.800
151.0	1567.0	.015	.039	2.600
164.0	1554.0	.028	.004	0.143
165.0	1553.0	.010	.022	2.200
167.0	1551.0	.005	.024	4.800
201.0	1517.0	.012	.086	7.167
205.0	1513.0	.052	.059	1.135
206.0	1512.0	.050	.059	1.180
TOTAL		0.562	0.522	
TOTAL CHEM/TOTAL GAMMA =			0.929	

HOLE # AM18C N COORDINATE 1205287.7
ELEVATION 1870.0 E COORDINATE 87905.7
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
281.0	1589.0	.024	.055	2.292
282.0	1588.0	.044	.007	0.159
283.0	1587.0	.053	.095	1.792
284.0	1586.0	.118	.250	2.119
285.0	1585.0	.029	.042	1.448
286.0	1584.0	.016	.042	2.625
287.0	1583.0	.024	.019	0.792
288.0	1582.0	.022	.019	0.864
290.0	1580.0	.091	.062	0.681
291.0	1579.0	.148	.120	0.811
292.0	1578.0	.048	.038	0.792
296.0	1574.0	.073	.059	0.808
297.0	1573.0	.033	.031	0.939
298.0	1572.0	.038	.110	2.895
299.0	1571.0	.105	.058	0.552
300.0	1570.0	.100	.023	0.230
301.0	1569.0	.022	.012	0.545
TOTAL		0.988	1.042	
TOTAL CHEM/TOTAL GAMMA =			1.055	

HOLE # AM22C N COORDINATE 1204433.3
ELEVATION 1946.0 E COORDINATE 87157.6
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
440.0	1506.0	.020	.024	1.200
441.0	1505.0	.020	.020	1.000
443.0	1503.0	.036	.033	0.917
444.0	1502.0	.075	.116	1.547
445.0	1501.0	.027	.007	0.259
448.0	1498.0	.027	.012	0.444
460.0	1486.0	.056	.028	0.500
461.0	1485.0	.070	.075	1.071
TOTAL		0.331	0.315	
TOTAL CHEM/TOTAL GAMMA =			0.952	

HOLE # AM26C N COORDINATE 1204234.1
ELEVATION 2032.0 E COORDINATE 88652.9
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
605.0	1427.0	.025	.024	0.960
606.0	1426.0	.023	.032	1.391
607.0	1425.0	.022	.024	1.091
608.0	1424.0	.024	.020	0.833
609.0	1423.0	.026	.047	1.808
627.0	1405.0	.027	.007	0.259
628.0	1404.0	.044	.043	0.977
629.0	1403.0	.018	.020	1.111
632.0	1400.0	.048	.014	0.292
633.0	1399.0	.088	.040	0.455
634.0	1398.0	.046	.053	1.152
636.0	1396.0	.061	.004	0.066
637.0	1395.0	.145	.118	0.814
638.0	1394.0	.169	.200	1.183
639.0	1393.0	.143	.248	1.734
640.0	1392.0	.032	.017	0.531
641.0	1391.0	.031	.012	0.387
642.0	1390.0	.019	.052	2.737
722.0	1310.0	.031	.008	0.258
723.0	1309.0	.161	.345	2.143
724.0	1308.0	.101	.059	0.584
726.0	1306.0	.008	.022	2.750
738.0	1294.0	.021	.008	0.381
739.0	1293.0	.024	.007	0.292
740.0	1292.0	.022	.034	1.545
742.0	1290.0	.003	.045	15.000
745.0	1287.0	.001	.030	30.000
TOTAL		1.363	1.533	
TOTAL CHEM/TOTAL GAMMA =			1.125	

HOLE # AM28C N COORDINATE 1204753.6
ELEVATION 1853.5 E COORDINATE 89223.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
392.0	1461.5	.016	.023	1.438
395.0	1458.5	.021	.010	0.476
396.0	1457.5	.029	.034	1.172
397.0	1456.5	.023	.013	0.565
398.0	1455.5	.024	.014	0.583
399.0	1454.5	.041	.126	3.073
400.0	1453.5	.023	.004	0.174
TOTAL		0.177	0.224	
TOTAL CHEM/TOTAL GAMMA =			1.266	

HOLE # AM40C N COORDINATE 1206907.4
ELEVATION 1804.5 E COORDINATE 88347.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
68.0	1736.5	.059	.005	0.085
69.0	1735.5	.082	.059	0.720
71.0	1733.5	.046	.003	0.065
TOTAL		0.187	0.067	
TOTAL CHEM/TOTAL GAMMA =			0.358	

HOLE # AM49C N COORDINATE 1204873.8
ELEVATION 2013.0 E COORDINATE 84333.7
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
612.0	1401.0	.016	.020	1.250
614.0	1399.0	.019	.034	1.789
615.0	1398.0	.032	.008	0.250
616.0	1397.0	.035	.033	0.943
617.0	1396.0	.063	.058	0.921
618.0	1395.0	.062	.061	0.984
619.0	1394.0	.082	.077	0.939
620.0	1393.0	.082	.040	0.488
621.0	1392.0	.070	.037	0.529
622.0	1391.0	.017	.032	1.882
623.0	1390.0	.025	.022	0.880
624.0	1389.0	.022	.020	0.909
626.0	1387.0	.007	.024	3.429
632.0	1381.0	.027	.019	0.704
633.0	1380.0	.041	.114	2.780
634.0	1379.0	.064	.016	0.250
635.0	1378.0	.035	.020	0.571
637.0	1376.0	.028	.011	0.393
638.0	1375.0	.067	.078	1.164

TOTAL 0.794 0.724
TOTAL CHEM/TOTAL GAMMA = 0.912

HOLE # AM51C N COORDINATE 1205241.0
ELEVATION 1907.0 E COORDINATE 85524.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.15
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
396.0	1511.0	.026	.040	1.538
397.0	1510.0	.032	.013	0.406
398.0	1509.0	.031	.035	1.129
399.0	1508.0	.033	.008	0.242
400.0	1507.0	.033	.012	0.364
401.0	1506.0	.029	.009	0.310
402.0	1505.0	.026	.005	0.192
403.0	1504.0	.030	.012	0.400
404.0	1503.0	.033	.023	0.697
405.0	1502.0	.030	.011	0.367
406.0	1501.0	.040	.021	0.525
407.0	1500.0	.061	.118	1.934
408.0	1499.0	.043	.007	0.163
409.0	1498.0	.029	.005	0.172
410.0	1497.0	.036	.010	0.278
411.0	1496.0	.030	.007	0.233
442.0	1465.0	.025	.044	1.760
443.0	1464.0	.148	.227	1.534
444.0	1463.0	.167	.110	0.659
445.0	1462.0	.076	.020	0.263
446.0	1461.0	.025	.011	0.440
447.0	1460.0	.034	.024	0.706
448.0	1459.0	.114	.070	0.614
449.0	1458.0	.061	.077	1.262
465.0	1442.0	.021	.007	0.333
466.0	1441.0	.072	.011	0.153
467.0	1440.0	.273	.259	0.949
468.0	1439.0	.374	.295	0.789
469.0	1438.0	.318	.810	2.547
470.0	1437.0	.050	.078	1.560

TOTAL 2.300 2.379
TOTAL CHEM/TOTAL GAMMA = 1.034

HOLE # AM63C N COORDINATE 1206492.5
ELEVATION 1910.5 E COORDINATE 82399.9
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
196.0	1714.5	.053	.005	0.094
197.0	1713.5	.208	.083	0.399
198.0	1712.5	.090	.202	2.244
200.0	1710.5	.022	.038	1.727
201.0	1709.5	.007	.026	3.714
224.0	1686.5	.036	.006	0.167
225.0	1685.5	.071	.074	1.042
TOTAL		0.487	0.434	
TOTAL CHEM/TOTAL GAMMA =			0.891	

HOLE # AM67C N COORDINATE 1206097.7
ELEVATION 1801.5 E COORDINATE 82380.7
K-FACTOR OF LOG: 0.56E-05
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
53.0	1748.5	.046	.002	0.043
54.0	1747.5	.040	.010	0.250
55.0	1746.5	.017	.024	1.412
TOTAL		0.103	0.036	
TOTAL CHEM/TOTAL GAMMA =			0.350	

HOLE # AM68C N COORDINATE 1205680.3
ELEVATION 1698.5 E COORDINATE 83138.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
107.0	1591.5	.049	.077	1.571
108.0	1590.5	.033	.038	1.152
109.0	1589.5	.030	.026	0.867
110.0	1588.5	.078	.006	0.077
111.0	1587.5	.098	.006	0.061
112.0	1586.5	.037	.007	0.189
114.0	1584.5	.005	.071	14.200
115.0	1583.5	.006	.021	3.500
116.0	1582.5	.025	.019	0.760
117.0	1581.5	.066	.078	1.182
118.0	1580.5	.048	.008	0.167
119.0	1579.5	.050	.003	0.060
120.0	1578.5	.073	.002	0.027
121.0	1577.5	.030	.003	0.100
147.0	1551.5	.015	.059	3.933
148.0	1550.5	.008	.022	2.750
149.0	1549.5	.005	.035	7.000
150.0	1548.5	.003	.024	8.000
151.0	1547.5	.008	.164	20.500
152.0	1546.5	.035	.005	0.143
153.0	1545.5	.051	.004	0.078
154.0	1544.5	.062	.003	0.048
155.0	1543.5	.110	.334	3.036
156.0	1542.5	.196	.006	0.031
157.0	1541.5	.213	.003	0.014
158.0	1540.5	.025	.002	0.080
160.0	1538.5	.047	.002	0.043
161.0	1537.5	.143	.003	0.021

TOTAL 1.549 1.031
TOTAL CHEM/TOTAL GAMMA = 0.666

HOLE # AM71C N COORDINATE 1205693.8
ELEVATION 1693.5 E COORDINATE 82715.1
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
49.0	1644.5	.022	.045	2.045
50.0	1643.5	.042	.026	0.619
51.0	1642.5	.035	.050	1.429
77.0	1616.5	.037	.045	1.216
78.0	1615.5	.049	.029	0.592
79.0	1614.5	.035	.042	1.200
80.0	1613.5	.067	.066	0.985
81.0	1612.5	.086	.101	1.174
82.0	1611.5	.069	.021	0.304
84.0	1609.5	.014	.021	1.500
85.0	1608.5	.025	.018	0.720
87.0	1606.5	.042	.073	1.738
88.0	1605.5	.048	.029	0.604
89.0	1604.5	.039	.031	0.795
90.0	1603.5	.024	.009	0.375
TOTAL		0.634	0.606	
TOTAL CHEM/TOTAL GAMMA =			0.956	

HOLE # AM79C N COORDINATE 1204724.0
ELEVATION 1905.0 E COORDINATE 91527.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
45.0	1860.0	.015	.022	1.467
46.0	1859.0	.041	.035	0.854
47.0	1858.0	.035	.021	0.600
59.0	1846.0	.027	.001	0.037
60.0	1845.0	.022	.020	0.909
62.0	1843.0	.023	.011	0.478
63.0	1842.0	.024	.021	0.875
TOTAL		0.187	0.131	
TOTAL CHEM/TOTAL GAMMA =			0.701	

HOLE # AM88C N COORDINATE 1205146.2
ELEVATION 1950.0 E COORDINATE 91124.0
K-FACTOR OF LOG: 0.25E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.50

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
82.0	1868.0	.049	.059	1.204
83.0	1867.0	.030	.038	1.267
84.0	1866.0	.011	.041	3.727
88.0	1862.0	.061	.004	0.066
89.0	1861.0	.020	.008	0.400
90.0	1860.0	.024	.008	0.333
TOTAL		0.195	0.158	
TOTAL CHEM/TOTAL GAMMA =			0.810	

HOLE # AM106C N COORDINATE 1206029.6
ELEVATION 1922.5 E COORDINATE 88777.1
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
241.0	1681.5	.076	.045	0.592
242.0	1680.5	.123	.162	1.317
243.0	1679.5	.038	.021	0.553
244.0	1678.5	.044	.046	1.045
245.0	1677.5	.032	.011	0.344
246.0	1676.5	.057	.010	0.175
247.0	1675.5	.029	.011	0.379
253.0	1669.5	.022	.018	0.818
254.0	1668.5	.141	.098	0.695
255.0	1667.5	.166	.110	0.663
256.0	1666.5	.039	.035	0.897
257.0	1665.5	.030	.061	2.033
258.0	1664.5	.019	.026	1.368
TOTAL		0.816	0.654	
TOTAL CHEM/TOTAL GAMMA =			0.801	

HOLE # AM107C N COORDINATE 1205492.1
ELEVATION 1918.5 E COORDINATE 89059.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
254.0	1664.5	.047	.057	1.213
255.0	1663.5	.052	.031	0.596
256.0	1662.5	.029	.020	0.690
257.0	1661.5	.021	.014	0.667
260.0	1658.5	.020	.047	2.350
261.0	1657.5	.026	.025	0.962
262.0	1656.5	.029	.026	0.897
269.0	1649.5	.018	.025	1.389
270.0	1648.5	.032	.034	1.063
271.0	1647.5	.025	.008	0.320
273.0	1645.5	.025	.033	1.320
274.0	1644.5	.098	.118	1.204
275.0	1643.5	.067	.042	0.627
285.0	1633.5	.024	.019	0.792
286.0	1632.5	.030	.017	0.567
287.0	1631.5	.055	.032	0.582
288.0	1630.5	.072	.070	0.972
TOTAL		0.670	0.618	
TOTAL CHEM/TOTAL GAMMA =			0.922	

HOLE # AM113C N COORDINATE 1205174.0
ELEVATION 1883.0 E COORDINATE 89144.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
276.0	1607.0	.018	.028	1.556
281.0	1602.0	.020	.020	1.000
298.0	1585.0	.021	.014	0.667
301.0	1582.0	.020	.008	0.400
302.0	1581.0	.041	.022	0.537
303.0	1580.0	.071	.054	0.761
304.0	1579.0	.069	.030	0.435
305.0	1578.0	.046	.032	0.696
319.0	1564.0	.022	.004	0.182
320.0	1563.0	.030	.070	2.333
321.0	1562.0	.021	.020	0.952
342.0	1541.0	.047	.007	0.149
343.0	1540.0	.143	.156	1.091
344.0	1539.0	.025	.006	0.240
345.0	1538.0	.035	.008	0.229
346.0	1537.0	.062	.057	0.919
TOTAL		0.691	0.536	
TOTAL CHEM/TOTAL GAMMA =			0.776	

HOLE # AM119C N COORDINATE 1206422.0
ELEVATION 1824.0 E COORDINATE 88375.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
115.0	1709.0	.111	.044	0.396
116.0	1708.0	.084	.017	0.202
119.0	1705.0	.024	.015	0.625
120.0	1704.0	.023	.016	0.696
121.0	1703.0	.022	.090	4.091
122.0	1702.0	.064	.045	0.703
123.0	1701.0	.040	.007	0.175
125.0	1699.0	.050	.071	1.420
126.0	1698.0	.046	.011	0.239
132.0	1692.0	.030	.288	9.600
133.0	1691.0	.176	.194	1.102
TOTAL		0.670	0.798	
TOTAL CHEM/TOTAL GAMMA =			1.191	

HOLE # AM127C N COORDINATE 1207186.0
ELEVATION 1868.0 E COORDINATE 88778.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.15
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
45.0	1823.0	.027	.012	0.444
46.0	1822.0	.020	.001	0.050
49.0	1819.0	.020	.003	0.150
	TOTAL	0.067	0.016	
	TOTAL CHEM/TOTAL GAMMA =		0.239	

HOLE # AM129C N COORDINATE 1205199.1
ELEVATION 1870.0 E COORDINATE 88352.1
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
281.0	1589.0	.054	.026	0.481
282.0	1588.0	.124	.050	0.403
283.0	1587.0	.026	.014	0.538
328.0	1542.0	.024	.026	1.083
329.0	1541.0	.040	.048	1.200
330.0	1540.0	.054	.041	0.759
331.0	1539.0	.109	.026	0.239
332.0	1538.0	.331	.308	0.931
333.0	1537.0	.054	.010	0.185
344.0	1526.0	.041	.025	0.610
345.0	1525.0	.046	.035	0.761
346.0	1524.0	.027	.101	3.741
347.0	1523.0	.014	.028	2.000
352.0	1518.0	.026	.067	2.577
353.0	1517.0	.178	.530	2.978
354.0	1516.0	.117	.047	0.402
371.0	1499.0	.019	.024	1.263
374.0	1496.0	.032	.033	1.031
375.0	1495.0	.087	.075	0.862
376.0	1494.0	.103	.087	0.845
TOTAL		1.506	1.601	
TOTAL CHEM/TOTAL GAMMA =			1.063	

HOLE # AM135C N COORDINATE 1205629.0
ELEVATION 1994.0 E COORDINATE 86736.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.15
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
379.0	1615.0	.009	.027	3.000
384.0	1610.0	.019	.024	1.263
385.0	1609.0	.024	.028	1.167
386.0	1608.0	.028	.031	1.107
387.0	1607.0	.056	.135	2.411
388.0	1606.0	.085	.025	0.294
389.0	1605.0	.058	.033	0.569
390.0	1604.0	.040	.006	0.150
459.0	1535.0	.023	.010	0.435
460.0	1534.0	.046	.033	0.717
461.0	1533.0	.064	.171	2.672
462.0	1532.0	.129	.184	1.426
463.0	1531.0	.239	.106	0.444
464.0	1530.0	.228	.090	0.395
465.0	1529.0	.115	.008	0.070
466.0	1528.0	.022	.006	0.273
467.0	1527.0	.008	.053	6.625
468.0	1526.0	.014	.138	9.857
469.0	1525.0	.059	.084	1.424
470.0	1524.0	.117	.045	0.385
471.0	1523.0	.070	.058	0.829
472.0	1522.0	.049	.052	1.061
473.0	1521.0	.067	.361	5.388
474.0	1520.0	.223	.273	1.224
475.0	1519.0	.568	.149	0.262
476.0	1518.0	.324	.059	0.182
477.0	1517.0	.080	.011	0.138

TOTAL 2.764 2.200
TOTAL CHEM/TOTAL GAMMA = 0.796

HOLE # AM136C N COORDINATE 1205601.1
ELEVATION 1912.0 E COORDINATE 86369.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
300.0	1612.0	.066	.018	0.273
301.0	1611.0	.120	.066	0.550
302.0	1610.0	.063	.035	0.556
336.0	1576.0	.020	.008	0.400
337.0	1575.0	.150	.012	0.080
338.0	1574.0	.147	.152	1.034
339.0	1573.0	.044	.064	1.455
340.0	1572.0	.022	.018	0.818
341.0	1571.0	.015	.022	1.467
342.0	1570.0	.034	.008	0.235
343.0	1569.0	.056	.040	0.714
344.0	1568.0	.023	.054	2.348
352.0	1560.0	.022	.010	0.455
353.0	1559.0	.102	.026	0.255
354.0	1558.0	.185	.302	1.632
355.0	1557.0	.088	.040	0.455
356.0	1556.0	.078	.046	0.590
357.0	1555.0	.119	.059	0.496
358.0	1554.0	.150	.172	1.147
359.0	1553.0	.054	.158	2.926
369.0	1543.0	.037	.019	0.514
370.0	1542.0	.091	.042	0.462
371.0	1541.0	.306	.340	1.111
372.0	1540.0	.269	.144	0.535
373.0	1539.0	.102	.048	0.471
374.0	1538.0	.212	.188	0.887
375.0	1537.0	.392	.308	0.786
376.0	1536.0	.177	.172	0.972
377.0	1535.0	.026	.014	0.538

TOTAL 3.170 2.585
TOTAL CHEM/TOTAL GAMMA = 0.815

HOLE # AM149C N COORDINATE 1204822.0
ELEVATION 2000.0 E COORDINATE 87149.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.11
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
383.0	1617.0	.037	.014	0.378
384.0	1616.0	.080	.061	0.763
385.0	1615.0	.082	.072	0.878
386.0	1614.0	.040	.032	0.800
387.0	1613.0	.036	.022	0.611
394.0	1606.0	.056	.024	0.429
395.0	1605.0	.049	.050	1.020
396.0	1604.0	.029	.039	1.345
398.0	1602.0	.036	.001	0.028
399.0	1601.0	.039	.039	1.000
400.0	1600.0	.020	.009	0.450
402.0	1598.0	.022	.005	0.227
403.0	1597.0	.025	.014	0.560
408.0	1592.0	.057	.005	0.088
409.0	1591.0	.044	.012	0.273
410.0	1590.0	.046	.047	1.022
411.0	1589.0	.100	.189	1.890
412.0	1588.0	.147	.032	0.218

TOTAL 0.945 0.667
TOTAL CHEM/TOTAL GAMMA = 0.706

HOLE # AM152C1 N COORDINATE 1206455.5
ELEVATION 1870.5 E COORDINATE 86731.4
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
128.0	1742.5	.052	.010	0.192
129.0	1741.5	.104	.044	0.423
130.0	1740.5	.081	.008	0.099
TOTAL		0.237	0.062	
TOTAL CHEM/TOTAL GAMMA =			0.262	

HOLE # AM156C N COORDINATE 0.0
ELEVATION 0.0 E COORDINATE 0.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
439.0	-439.0	.058	.007	0.121
440.0	-440.0	.105	.075	0.714
441.0	-441.0	.088	.031	0.352
442.0	-442.0	.056	.038	0.679
443.0	-443.0	.037	.021	0.568
498.0	-498.0	.038	.013	0.342
499.0	-499.0	.055	.178	3.236
500.0	-500.0	.042	.024	0.571
501.0	-501.0	.024	.019	0.792
503.0	-503.0	.028	.011	0.393
504.0	-504.0	.104	.064	0.615
505.0	-505.0	.148	.017	0.115
546.0	-546.0	.024	.021	0.875
547.0	-547.0	.036	.048	1.333
548.0	-548.0	.053	.052	0.981
549.0	-549.0	.082	.065	0.793
550.0	-550.0	.117	.198	1.692
551.0	-551.0	.089	.010	0.112
590.0	-590.0	.033	.106	3.212
591.0	-591.0	.054	.004	0.074
625.0	-625.0	.001	.092	92.000
	TOTAL	1.272	1.094	
	TOTAL CHEM/TOTAL GAMMA =		0.860	

HOLE # AM171C N COORDINATE 1203950.8
ELEVATION 2034.5 E COORDINATE 89129.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
538.0	1496.5	.002	.055	27.500
539.0	1495.5	.014	.021	1.500
540.0	1494.5	.030	.050	1.667
541.0	1493.5	.030	.014	0.467
542.0	1492.5	.034	.028	0.824
543.0	1491.5	.035	.058	1.657
544.0	1490.5	.041	.015	0.366
556.0	1478.5	.022	.015	0.682
557.0	1477.5	.027	.041	1.519
558.0	1476.5	.029	.026	0.897
574.0	1460.5	.024	.029	1.208
575.0	1459.5	.044	.033	0.750
576.0	1458.5	.056	.078	1.393
577.0	1457.5	.036	.031	0.861
TOTAL		0.424	0.494	
TOTAL CHEM/TOTAL GAMMA =			1.165	

HOLE # AM184C N COORDINATE 1204407.0
ELEVATION 1982.0 E COORDINATE 87543.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.16
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
466.0	1516.0	.030	.022	0.733
467.0	1515.0	.056	.060	1.071
468.0	1514.0	.051	.066	1.294
469.0	1513.0	.038	.055	1.447
470.0	1512.0	.022	.032	1.455
471.0	1511.0	.019	.020	1.053
472.0	1510.0	.059	.024	0.407
473.0	1509.0	.070	.012	0.171
474.0	1508.0	.034	.097	2.853
475.0	1507.0	.022	.048	2.182
477.0	1505.0	.023	.008	0.348
478.0	1504.0	.022	.032	1.455
485.0	1497.0	.155	.020	0.129
486.0	1496.0	.115	.273	2.374
487.0	1495.0	.029	.013	0.448
498.0	1484.0	.038	.045	1.184
499.0	1483.0	.037	.032	0.865
500.0	1482.0	.039	.063	1.615
501.0	1481.0	.027	.033	1.222
503.0	1479.0	.014	.025	1.786
520.0	1462.0	.012	.025	2.083
525.0	1457.0	.027	.070	2.593
526.0	1456.0	.020	.010	0.500
659.0	1323.0	.062	.001	0.016
660.0	1322.0	.068	.139	2.044
672.0	1310.0	.044	.100	2.273
673.0	1309.0	.028	.013	0.464
680.0	1302.0	.021	.006	0.286
681.0	1301.0	.018	.029	1.611

TOTAL 1.200 1.373
TOTAL CHEM/TOTAL GAMMA = 1.144

HOLE # AM222C N COORDINATE 1204359.0
ELEVATION 1942.0 E COORDINATE 92986.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
110.0	1832.0	.007	.029	4.143
111.0	1831.0	.068	.142	2.088
112.0	1830.0	.057	.016	0.281
113.0	1829.0	.008	.028	3.500
114.0	1828.0	.023	.013	0.565
115.0	1827.0	.026	.012	0.462
117.0	1825.0	.045	.032	0.711
118.0	1824.0	.052	.006	0.115
119.0	1823.0	.021	.007	0.333
TOTAL		0.307	0.285	
TOTAL CHEM/TOTAL GAMMA =			0.928	

HOLE # AM229C N COORDINATE 1204548.0
ELEVATION 1943.0 E COORDINATE 90729.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
121.0	1822.0	.048	.010	0.208
122.0	1821.0	.027	.012	0.444
123.0	1820.0	.003	.033	11.000
124.0	1819.0	.014	.094	6.714
140.0	1803.0	.009	.022	2.444
142.0	1801.0	.049	.090	1.837
143.0	1800.0	.029	.032	1.103
145.0	1798.0	.023	.031	1.348
147.0	1796.0	.019	.028	1.474
TOTAL		0.221	0.352	
TOTAL CHEM/TOTAL GAMMA =			1.593	

HOLE # AM244C N COORDINATE 1205744.0
ELEVATION 1935.0 E COORDINATE 90744.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
77.0	1858.0	.024	.006	0.250
78.0	1857.0	.027	.028	1.037
TOTAL		0.051	0.034	
TOTAL CHEM/TOTAL GAMMA =			0.667	

HOLE # AM254C N COORDINATE 1207154.5
ELEVATION 0.0 E COORDINATE 90156.6
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
123.0	-123.0	.076	.002	0.026
124.0	-124.0	.053	.014	0.264
125.0	-125.0	.079	.015	0.190
126.0	-126.0	.065	.005	0.077

TOTAL 0.273 0.036
TOTAL CHEM/TOTAL GAMMA = 0.132

HOLE # AM258C N COORDINATE 1205749.5
ELEVATION 1912.5 E COORDINATE 90128.8
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
81.0	1831.5	.025	.045	1.800
82.0	1830.5	.036	.034	0.944
83.0	1829.5	.039	.026	0.667
84.0	1828.5	.041	.012	0.293
85.0	1827.5	.090	.162	1.800
86.0	1826.5	.066	.055	0.833
87.0	1825.5	.130	.138	1.062
88.0	1824.5	.068	.068	1.000
89.0	1823.5	.049	.047	0.959
90.0	1822.5	.075	.060	0.800
91.0	1821.5	.080	.017	0.213
92.0	1820.5	.030	.028	0.933
93.0	1819.5	.033	.027	0.818
94.0	1818.5	.033	.022	0.667
95.0	1817.5	.020	.006	0.300

TOTAL 0.815 0.747
TOTAL CHEM/TOTAL GAMMA = 0.917

HOLE # AM273C N COORDINATE 1205738.3
ELEVATION 0.0 E COORDINATE 89548.1
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
37.0	-37.0	.096	.241	2.510
38.0	-38.0	.087	.009	0.103
41.0	-41.0	.033	.027	0.818
42.0	-42.0	.028	.019	0.679
136.0	-136.0	.026	.030	1.154
137.0	-137.0	.035	.030	0.857
138.0	-138.0	.037	.071	1.919
139.0	-139.0	.040	.027	0.675
140.0	-140.0	.027	.022	0.815
141.0	-141.0	.027	.023	0.852
142.0	-142.0	.018	.029	1.611
158.0	-158.0	.004	.026	6.500
161.0	-161.0	.001	.021	21.000
168.0	-168.0	.020	.001	0.050
170.0	-170.0	.013	.025	1.923
172.0	-172.0	.014	.027	1.929
173.0	-173.0	.025	.013	0.520
176.0	-176.0	.013	.040	3.077
177.0	-177.0	.013	.046	3.538
179.0	-179.0	.028	.021	0.750
180.0	-180.0	.034	.015	0.441
181.0	-181.0	.025	.025	1.000
182.0	-182.0	.021	.023	1.095
183.0	-183.0	.016	.022	1.375
TOTAL		0.681	0.833	
TOTAL CHEM/TOTAL GAMMA =			1.223	

HOLE # AM274C N COORDINATE 1206709.1
ELEVATION 0.0 E COORDINATE 89340.5
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
53.0	-53.0	.032	.001	0.031
54.0	-54.0	.069	.001	0.014
55.0	-55.0	.059	.048	0.814
56.0	-56.0	.084	.011	0.131
57.0	-57.0	.047	.002	0.043

TOTAL 0.291 0.063
TOTAL CHEM/TOTAL GAMMA = 0.216

HOLE # AM275C N COORDINATE 1206740.0
ELEVATION 0.0 E COORDINATE 87791.8
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
46.0	-46.0	.051	.004	0.078
47.0	-47.0	.285	.425	1.491
48.0	-48.0	.283	.419	1.481
49.0	-49.0	.044	.022	0.500
50.0	-50.0	.025	.014	0.560
51.0	-51.0	.025	.062	2.480
52.0	-52.0	.009	.023	2.556
TOTAL		0.722	0.969	
TOTAL CHEM/TOTAL GAMMA =			1.342	

HOLE # AM281C N COORDINATE 1205360.7
ELEVATION 1899.5 E COORDINATE 89749.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
161.0	1738.5	.023	.050	2.174
162.0	1737.5	.041	.042	1.024
168.0	1731.5	.036	.029	0.806
169.0	1730.5	.048	.068	1.417
170.0	1729.5	.044	.040	0.909
171.0	1728.5	.031	.010	0.323
195.0	1704.5	.025	.021	0.840
196.0	1703.5	.089	.064	0.719
197.0	1702.5	.145	.024	0.166
198.0	1701.5	.064	.013	0.203
199.0	1700.5	.122	.012	0.098
200.0	1699.5	.049	.014	0.286
TOTAL		0.717	0.387	
TOTAL CHEM/TOTAL GAMMA =			0.540	

HOLE # AM286C N COORDINATE 1206160.3
ELEVATION 1858.0 E COORDINATE 89549.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
63.0	1795.0	.062	.004	0.065
64.0	1794.0	.066	.096	1.455
65.0	1793.0	.060	.039	0.650
66.0	1792.0	.042	.020	0.476
67.0	1791.0	.012	.021	1.750
68.0	1790.0	.023	.006	0.261
69.0	1789.0	.008	.026	3.250
97.0	1761.0	.052	.059	1.135
98.0	1760.0	.028	.026	0.929
103.0	1755.0	.043	.086	2.000
111.0	1747.0	.025	.026	1.040
112.0	1746.0	.032	.019	0.594
113.0	1745.0	.039	.034	0.872
TOTAL		0.492	0.462	
TOTAL CHEM/TOTAL GAMMA =			0.939	

HOLE # AM289C N COORDINATE 1205568.5
ELEVATION 1830.0 E COORDINATE 88533.9
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
82.0	1748.0	.046	.046	1.000
83.0	1747.0	.099	.079	0.798
84.0	1746.0	.088	.006	0.068
85.0	1745.0	.034	.002	0.059
139.0	1691.0	.039	.002	0.051
140.0	1690.0	.057	.039	0.684
141.0	1689.0	.054	.020	0.370
142.0	1688.0	.050	.043	0.860
143.0	1687.0	.044	.033	0.750
144.0	1686.0	.031	.022	0.710
145.0	1685.0	.020	.048	2.400
146.0	1684.0	.021	.024	1.143
147.0	1683.0	.021	.032	1.524
166.0	1664.0	.047	.014	0.298
167.0	1663.0	.083	.108	1.301
168.0	1662.0	.072	.024	0.333
169.0	1661.0	.023	.012	0.522
170.0	1660.0	.001	.023	23.000
173.0	1657.0	.007	.024	3.429
174.0	1656.0	.009	.020	2.222
175.0	1655.0	.003	.025	8.333
269.0	1561.0	.021	.002	0.095
270.0	1560.0	.048	.106	2.208

TOTAL 0.918 0.754
TOTAL CHEM/TOTAL GAMMA = 0.821

HOLE # AM308C N COORDINATE 1206613.0
ELEVATION 1768.0 E COORDINATE 87355.3
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
72.0	1696.0	.044	.037	0.841
73.0	1695.0	.039	.025	0.641
74.0	1694.0	.021	.013	0.619

TOTAL 0.104 0.075
TOTAL CHEM/TOTAL GAMMA = 0.721

HOLE # AM322C N COORDINATE 1206183.3
ELEVATION 1808.0 E COORDINATE 87929.1
K-FACTOR OF LOG: 0.54E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.65

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
115.0	1693.0	.034	.013	0.382
116.0	1692.0	.052	.057	1.096
117.0	1691.0	.009	.041	4.556
127.0	1681.0	.027	.006	0.222
128.0	1680.0	.090	.064	0.711
129.0	1679.0	.063	.095	1.508
132.0	1676.0	.063	.001	0.016
133.0	1675.0	.049	.130	2.653
TOTAL		0.387	0.407	
TOTAL CHEM/TOTAL GAMMA =			1.052	

HOLE # AM323C N COORDINATE 1206220.8
ELEVATION 1786.0 E COORDINATE 87540.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
143.0	1643.0	.041	.011	0.268
144.0	1642.0	.216	.474	2.194
145.0	1641.0	.360	.260	0.722
146.0	1640.0	.055	.028	0.509
148.0	1638.0	.021	.004	0.190
149.0	1637.0	.081	.021	0.259
150.0	1636.0	.226	.189	0.836
151.0	1635.0	.062	.027	0.435
TOTAL		1.062	1.014	
TOTAL CHEM/TOTAL GAMMA =			0.955	

HOLE # AM325C N COORDINATE 1205993.7
ELEVATION 1822.5 E COORDINATE 88136.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
114.0	1708.5	.121	.052	0.430
115.0	1707.5	.129	.106	0.822
136.0	1686.5	.069	2.140	31.014
137.0	1685.5	.858	.028	0.033
138.0	1684.5	1.468	.538	0.366
139.0	1683.5	.199	.770	3.869
147.0	1675.5	.008	.028	3.500
TOTAL		2.852	3.662	
TOTAL CHEM/TOTAL GAMMA =			1.284	

HOLE # AM336C N COORDINATE 1205565.7
ELEVATION 1837.0 E COORDINATE 88152.4
K-FACTOR OF LOG: 0.25E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 7.50

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
213.0	1624.0	.024	.021	0.875
214.0	1623.0	.028	.014	0.500
215.0	1622.0	.119	.039	0.328
216.0	1621.0	.327	.125	0.382
217.0	1620.0	.110	.014	0.127
248.0	1589.0	.021	.007	0.333
249.0	1588.0	.024	.019	0.792
250.0	1587.0	.039	.074	1.897
251.0	1586.0	.038	.029	0.763
TOTAL		0.730	0.342	
TOTAL CHEM/TOTAL GAMMA =			0.468	

HOLE # AM337C N COORDINATE 1205564.0
ELEVATION 2013.0 E COORDINATE 87335.6
K-FACTOR OF LOG: 0.16E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
428.0	1585.0	.026	.045	1.731
429.0	1584.0	.095	.057	0.600
430.0	1583.0	.046	.026	0.565
TOTAL		0.167	0.128	
TOTAL CHEM/TOTAL GAMMA =			0.766	

HOLE # AM338C N COORDINATE 1205456.3
ELEVATION 1921.0 E COORDINATE 87545.2
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
339.0	1582.0	.031	.002	0.065
340.0	1581.0	.061	.033	0.541
341.0	1580.0	.036	.005	0.139
342.0	1579.0	.038	.025	0.658
343.0	1578.0	.036	.018	0.500
344.0	1577.0	.056	.027	0.482
345.0	1576.0	.095	.100	1.053
346.0	1575.0	.151	.116	0.768
347.0	1574.0	.172	.146	0.849
348.0	1573.0	.106	.007	0.066
349.0	1572.0	.044	.004	0.091
350.0	1571.0	.135	.146	1.081
351.0	1570.0	.113	.012	0.106
352.0	1569.0	.056	.146	2.607
353.0	1568.0	.089	.041	0.461

TOTAL 1.219 0.828
TOTAL CHEM/TOTAL GAMMA = 0.679

HOLE # AM345C N COORDINATE 1204978.3
ELEVATION 1950.5 E COORDINATE 87530.2
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.42
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
371.0	1579.5	.114	.468	4.105
372.0	1578.5	.258	.005	0.019
373.0	1577.5	.074	.009	0.122
415.0	1535.5	.016	.034	2.125
416.0	1534.5	.042	.007	0.167
417.0	1533.5	.144	.248	1.722
418.0	1532.5	.077	.140	1.818
420.0	1530.5	.017	.021	1.235
445.0	1505.5	.047	.008	-0.170
446.0	1504.5	.134	.488	3.642
447.0	1503.5	.032	.018	0.562
451.0	1499.5	.029	.067	2.310
452.0	1498.5	.029	.012	0.414
453.0	1497.5	.045	.162	3.600
454.0	1496.5	.021	.003	0.143
467.0	1483.5	.049	.118	2.408
468.0	1482.5	.030	.007	0.233

TOTAL 1.158 1.815
TOTAL CHEM/TOTAL GAMMA = 1.567

HOLE # AM351C N COORDINATE 1204496.8
ELEVATION 1875.0 E COORDINATE 89636.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.42
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
389.0	1486.0	.045	.088	1.956
390.0	1485.0	.035	.026	0.743
393.0	1482.0	.015	.024	1.600
394.0	1481.0	.036	.024	0.667
395.0	1480.0	.052	.033	0.635
396.0	1479.0	.042	.052	1.238
398.0	1477.0	.009	.020	2.222
TOTAL		0.234	0.267	
TOTAL CHEM/TOTAL GAMMA =			1.141	

HOLE # AM371C N COORDINATE 1205812.6
ELEVATION 2009.5 E COORDINATE 86934.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
406.0	1603.5	.015	.118	7.867
407.0	1602.5	.029	.021	0.724
409.0	1600.5	.038	.020	0.526
410.0	1599.5	.036	.077	2.139
411.0	1598.5	.054	.053	0.981
412.0	1597.5	.139	.059	0.424
413.0	1596.5	.110	.002	0.018
427.0	1582.5	.132	.083	0.629
428.0	1581.5	.300	.412	1.373
429.0	1580.5	.186	.097	0.522
430.0	1579.5	.078	.024	0.308
431.0	1578.5	.073	.292	4.000
432.0	1577.5	.103	.021	0.204
433.0	1576.5	.052	.008	0.154
434.0	1575.5	.038	.052	1.368
435.0	1574.5	.063	.095	1.508
436.0	1573.5	.093	.051	0.548
437.0	1572.5	.061	.017	0.279
438.0	1571.5	.101	.190	1.881
439.0	1570.5	.330	.274	0.830
440.0	1569.5	.344	.198	0.576
441.0	1568.5	.184	.020	0.109
442.0	1567.5	.096	.394	4.104
443.0	1566.5	.143	.154	1.077
444.0	1565.5	.223	.094	0.422
445.0	1564.5	.139	.228	1.640
446.0	1563.5	.155	.075	0.484
447.0	1562.5	.175	.013	0.074
448.0	1561.5	.101	.001	0.010

TOTAL 3.591 3.143
TOTAL CHEM/TOTAL GAMMA = 0.875

HOLE # AM373C N COORDINATE 1206212.5
ELEVATION 2029.0 E COORDINATE 86521.4
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
368.0	1661.0	.059	.038	0.644
370.0	1659.0	.062	.095	1.532
371.0	1658.0	.034	.009	0.265
372.0	1657.0	.080	.142	1.775
373.0	1656.0	.030	.019	0.633
375.0	1654.0	.028	.027	0.964
378.0	1651.0	.062	.014	0.226
379.0	1650.0	.015	.034	2.267
TOTAL		0.370	0.378	
TOTAL CHEM/TOTAL GAMMA =			1.022	

HOLE # AM384C N COORDINATE 1205218.7
ELEVATION 1939.0 E COORDINATE 86527.7
K-FACTOR OF LOG: 0.29E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
366.0	1573.0	.035	.004	0.114
367.0	1572.0	.087	.468	5.379
399.0	1540.0	.043	.014	0.326
400.0	1539.0	.135	.524	3.881
401.0	1538.0	.123	.035	0.285
420.0	1519.0	.093	.002	0.022
421.0	1518.0	.200	.002	0.010
422.0	1517.0	.091	.014	0.154
437.0	1502.0	.011	.029	2.636
438.0	1501.0	.021	.021	1.000
444.0	1495.0	.034	.083	2.441
445.0	1494.0	.045	.035	0.778
446.0	1493.0	.021	.004	0.190
TOTAL		0.939	1.235	
TOTAL CHEM/TOTAL GAMMA =			1.315	

HOLE # AM388C N COORDINATE 1205212.1
ELEVATION 1908.5 E COORDINATE 86938.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
344.0	1564.5	.054	.005	0.093
345.0	1563.5	.020	.004	0.200
346.0	1562.5	.013	.040	3.077
388.0	1520.5	.056	.009	0.161
389.0	1519.5	.108	.144	1.333
390.0	1518.5	.079	.055	0.696
391.0	1517.5	.029	.014	0.483
392.0	1516.5	.030	.018	0.600
393.0	1515.5	.050	.034	0.680
394.0	1514.5	.058	.042	0.724
395.0	1513.5	.048	.106	2.208
396.0	1512.5	.024	.031	1.292
406.0	1502.5	.050	.026	0.520
407.0	1501.5	.207	.810	3.913
408.0	1500.5	.298	.146	0.490
409.0	1499.5	.158	.162	1.025
410.0	1498.5	.040	.024	0.600
426.0	1482.5	.021	.028	1.333
427.0	1481.5	.032	.027	0.844
428.0	1480.5	.040	.039	0.975
429.0	1479.5	.033	.031	0.939
431.0	1477.5	.024	.006	0.250
432.0	1476.5	.047	.047	1.000
433.0	1475.5	.062	.102	1.645
434.0	1474.5	.051	.031	0.608
435.0	1473.5	.032	.024	0.750

TOTAL 1.664 2.005
TOTAL CHEM/TOTAL GAMMA = 1.205

HOLE # AM388V N COORDINATE 1208000.0
ELEVATION 0.0 E COORDINATE 94000.0
K-FACTOR OF LOG: 0.24E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 8.74

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
348.0	-348.0	.020	.012	0.600
349.0	-349.0	.070	.012	0.171
350.0	-350.0	.126	.062	0.492
351.0	-351.0	.048	.062	1.292
352.0	-352.0	.017	.028	1.647
353.0	-353.0	.033	.028	0.848
354.0	-354.0	.011	.021	1.909
355.0	-355.0	.004	.021	5.250
396.0	-396.0	.018	.035	1.944
397.0	-397.0	.061	.035	0.574
398.0	-398.0	.217	.307	1.415
399.0	-399.0	.209	.307	1.469
400.0	-400.0	.013	.051	3.923
401.0	-401.0	.003	.051	17.000
414.0	-414.0	.011	.083	7.545
415.0	-415.0	.117	.083	0.709
416.0	-416.0	.220	.260	1.182
417.0	-417.0	.264	.260	0.985
418.0	-418.0	.176	.224	1.273
419.0	-419.0	.240	.224	0.933
420.0	-420.0	.081	.088	1.086
421.0	-421.0	.026	.088	3.385

TOTAL 1.985 2.342
TOTAL CHEM/TOTAL GAMMA = 1.180

HOLE # AM390C N COORDINATE 1206214.0
ELEVATION 1916.0 E COORDINATE 86787.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
283.0	1633.0	.086	.113	1.314
284.0	1632.0	.058	.003	0.052
285.0	1631.0	.068	.001	0.015
TOTAL		0.212	0.117	
TOTAL CHEM/TOTAL GAMMA =			0.552	

HOLE # AM396C N COORDINATE 1205886.3
ELEVATION 1772.0 E COORDINATE 85977.3
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.42
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
75.0	1697.0	.164	1.120	6.829
76.0	1696.0	.270	.170	0.630
77.0	1695.0	.063	.003	0.048
128.0	1644.0	.021	.006	0.286
129.0	1643.0	.060	.017	0.283
130.0	1642.0	.035	.029	0.829
143.0	1629.0	.028	.068	2.429
144.0	1628.0	.096	.057	0.594
145.0	1627.0	.060	.001	0.017
TOTAL		0.797	1.471	
TOTAL CHEM/TOTAL GAMMA =			1.846	

HOLE # AM412C N COORDINATE 1206104.0
ELEVATION 1802.0 E COORDINATE 86179.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
130.0	1672.0	.186	.010	0.054
131.0	1671.0	.353	.702	1.989
132.0	1670.0	.176	.330	1.875
133.0	1669.0	.106	.251	2.368
134.0	1668.0	.071	.080	1.127
135.0	1667.0	.069	.068	0.986
136.0	1666.0	.115	.048	0.417
TOTAL		1.076	1.489	
TOTAL CHEM/TOTAL GAMMA =			1.384	

HOLE # AM419C N COORDINATE 1204833.4
ELEVATION 2003.0 E COORDINATE 88103.9
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
456.0	1547.0	.008	.031	3.875
458.0	1545.0	.052	.009	0.173
459.0	1544.0	.024	.007	0.292
461.0	1542.0	.020	.007	0.350
462.0	1541.0	.030	.008	0.267
463.0	1540.0	.021	.005	0.238
494.0	1509.0	.030	.024	0.800
495.0	1508.0	.060	.092	1.533
496.0	1507.0	.057	.031	0.544
497.0	1506.0	.040	.057	1.425
498.0	1505.0	.038	.010	0.263
499.0	1504.0	.041	.057	1.390
500.0	1503.0	.023	.012	0.522
501.0	1502.0	.036	.035	0.972
517.0	1486.0	.024	.015	0.625
518.0	1485.0	.078	.048	0.615
519.0	1484.0	.105	.104	0.990
520.0	1483.0	.059	.071	1.203
521.0	1482.0	.063	.026	0.413
522.0	1481.0	.050	.050	1.000
523.0	1480.0	.032	.018	0.562
524.0	1479.0	.027	.018	0.667
525.0	1478.0	.023	.029	1.261
526.0	1477.0	.025	.021	0.840
527.0	1476.0	.021	.026	1.238
528.0	1475.0	.019	.021	1.105
529.0	1474.0	.013	.021	1.615
548.0	1455.0	.070	.012	0.171
549.0	1454.0	.193	.166	0.860
550.0	1453.0	.066	.162	2.455
TOTAL		1.348	1.193	
TOTAL CHEM/TOTAL GAMMA =			0.885	

HOLE # AM422C N COORDINATE 1204637.6
ELEVATION 1915.0 E COORDINATE 85733.7
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.08
CASING FACTOR: 1.27
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
454.0	1461.0	.011	.024	2.182
456.0	1459.0	.027	.022	0.815
457.0	1458.0	.052	.092	1.769
458.0	1457.0	.058	.101	1.741
459.0	1456.0	.033	.044	1.333
460.0	1455.0	.023	.035	1.522
461.0	1454.0	.020	.028	1.400
462.0	1453.0	.024	.025	1.042
463.0	1452.0	.033	.047	1.424
464.0	1451.0	.028	.036	1.286
465.0	1450.0	.031	.029	0.935
466.0	1449.0	.024	.033	1.375
467.0	1448.0	.033	.044	1.333
468.0	1447.0	.023	.024	1.043
469.0	1446.0	.027	.035	1.296
470.0	1445.0	.022	.033	1.500
471.0	1444.0	.008	.031	3.875
TOTAL		0.477	0.683	
TOTAL CHEM/TOTAL GAMMA =			1.432	

HOLE # AM427C N COORDINATE 1203961.3
ELEVATION 2078.0 E COORDINATE 89699.2
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.09
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
549.0	1529.0	.030	.010	0.333
550.0	1528.0	.049	.142	2.898
551.0	1527.0	.072	.023	0.319
552.0	1526.0	.053	.019	0.358
553.0	1525.0	.095	.097	1.021
554.0	1524.0	.132	.179	1.356
555.0	1523.0	.025	.008	0.320
569.0	1509.0	.045	.003	0.067
570.0	1508.0	.047	.156	3.319
571.0	1507.0	.055	.022	0.400
572.0	1506.0	.134	.098	0.731
573.0	1505.0	.119	.038	0.319
574.0	1504.0	.084	.081	0.964
575.0	1503.0	.042	.026	0.619
578.0	1500.0	.013	.023	1.769
TOTAL		0.995	0.925	
TOTAL CHEM/TOTAL GAMMA =			0.930	

HOLE # AM431C N COORDINATE 1204772.4
ELEVATION 2055.0 E COORDINATE 88138.5
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
560.0	1495.0	.064	.003	0.047
561.0	1494.0	.119	.192	1.613
562.0	1493.0	.045	.058	1.289
563.0	1492.0	.015	.023	1.533
564.0	1491.0	.034	.026	0.765
565.0	1490.0	.019	.032	1.684
576.0	1479.0	.020	.016	0.800
577.0	1478.0	.029	.038	1.310
578.0	1477.0	.026	.020	0.769
579.0	1476.0	.020	.013	0.650
580.0	1475.0	.013	.037	2.846
581.0	1474.0	.021	.010	0.476
583.0	1472.0	.027	.010	0.370
586.0	1469.0	.026	.010	0.385
587.0	1468.0	.033	.052	1.576
591.0	1464.0	.021	.013	0.619
592.0	1463.0	.032	.033	1.031

TOTAL 0.564 0.586
TOTAL CHEM/TOTAL GAMMA = 1.039

HOLE # AM434C N COORDINATE 1204674.0
ELEVATION 2002.0 E COORDINATE 83565.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
530.0	1472.0	.018	.021	1.167
531.0	1471.0	.024	.044	1.833
TOTAL		0.042	0.065	
TOTAL CHEM/TOTAL GAMMA =			1.548	

HOLE # AM435C N COORDINATE 1206039.0
ELEVATION 1797.0 E COORDINATE 82897.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
101.0	1696.0	.053	.040	0.755
102.0	1695.0	.148	.165	1.115
103.0	1694.0	.055	.029	0.527
105.0	1692.0	.028	.005	0.179
106.0	1691.0	.017	.035	2.059
177.0	1620.0	.046	.046	1.000
178.0	1619.0	.045	.001	0.022
179.0	1618.0	.048	.041	0.854
180.0	1617.0	.016	.024	1.500
TOTAL		0.456	0.386	
TOTAL CHEM/TOTAL GAMMA =			0.846	

HOLE # AM436C N COORDINATE 1206476.0
ELEVATION 1938.0 E COORDINATE 82589.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
221.0	1717.0	.093	.114	1.226
222.0	1716.0	.246	.082	0.333
223.0	1715.0	.036	.030	0.833
TOTAL		0.375	0.226	
TOTAL CHEM/TOTAL GAMMA =			0.603	

HOLE # AM443C N COORDINATE 1205018.1
ELEVATION 1809.5 E COORDINATE 85960.6
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
277.0	1532.5	.007	.025	3.571
278.0	1531.5	.012	.040	3.333
279.0	1530.5	.021	.010	0.476
280.0	1529.5	.052	.024	0.462
281.0	1528.5	.055	.004	0.073
322.0	1487.5	.021	.006	0.286
323.0	1486.5	.118	.029	0.246
324.0	1485.5	.191	.388	2.031
325.0	1484.5	.044	.018	0.409
326.0	1483.5	.011	.033	3.000
331.0	1478.5	.030	.019	0.633
332.0	1477.5	.022	.033	1.500
333.0	1476.5	.017	.025	1.471
335.0	1474.5	.025	.019	0.760
336.0	1473.5	.029	.021	0.724
337.0	1472.5	.022	.027	1.227
338.0	1471.5	.019	.021	1.105
341.0	1468.5	.029	.014	0.483
342.0	1467.5	.040	.019	0.475
343.0	1466.5	.131	.021	0.160
344.0	1465.5	.136	.066	0.485
345.0	1464.5	.045	.202	4.489
346.0	1463.5	.010	.047	4.700
347.0	1462.5	.001	.029	29.000
360.0	1449.5	.149	.020	0.134
361.0	1448.5	.048	.031	0.646
362.0	1447.5	.010	.068	6.800
363.0	1446.5	.009	.142	15.778
364.0	1445.5	.009	.021	2.333
371.0	1438.5	.017	.020	1.176
372.0	1437.5	.047	.047	1.000
373.0	1436.5	.059	.047	0.797
374.0	1435.5	.013	.040	3.077
375.0	1434.5	.048	.038	0.792
376.0	1433.5	.056	.008	0.143
TOTAL		1.553	1.622	
TOTAL CHEM/TOTAL GAMMA =			1.044	

HOLE # AM444C N COORDINATE 1204777.0
ELEVATION 1875.0 E COORDINATE 86534.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.22
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
344.0	1531.0	.091	.446	4.901
345.0	1530.0	.192	.225	1.172
346.0	1529.0	.073	.010	0.137
365.0	1510.0	.011	.034	3.091
367.0	1508.0	.027	.011	0.407
368.0	1507.0	.022	.007	0.318
388.0	1487.0	.020	.018	0.900
389.0	1486.0	.025	.030	1.200
390.0	1485.0	.027	.022	0.815
391.0	1484.0	.020	.009	0.450
393.0	1482.0	.016	.052	3.250
394.0	1481.0	.028	.009	0.321
395.0	1480.0	.033	.014	0.424
396.0	1479.0	.021	.006	0.286
410.0	1465.0	.005	.024	4.800
412.0	1463.0	.020	.052	2.600
413.0	1462.0	.023	.015	0.652
414.0	1461.0	.031	.003	0.097
415.0	1460.0	.020	.002	0.100
423.0	1452.0	.010	.030	3.000
424.0	1451.0	.022	.048	2.182
425.0	1450.0	.032	.016	0.500
426.0	1449.0	.020	.007	0.350
565.0	1310.0	.024	.142	5.917
566.0	1309.0	.074	.016	0.216
567.0	1308.0	.075	.049	0.653
568.0	1307.0	.027	.005	0.185

TOTAL 0.989 1.302
TOTAL CHEM/TOTAL GAMMA = 1.316

HOLE # AM486C N COORDINATE 1204200.0
ELEVATION 2003.0 E COORDINATE 88103.9
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
444.0	1559.0	.006	.021	3.500
445.0	1558.0	.010	.122	12.200
446.0	1557.0	.027	.071	2.630
447.0	1556.0	.039	.014	0.359
494.0	1509.0	.020	.019	0.950
495.0	1508.0	.043	.083	1.930
496.0	1507.0	.059	.010	0.169
502.0	1501.0	.031	.050	1.613
503.0	1500.0	.038	.028	0.737
513.0	1490.0	.069	.059	0.855
514.0	1489.0	.187	.135	0.722
515.0	1488.0	.051	.130	2.549
TOTAL		0.580	0.742	
TOTAL CHEM/TOTAL GAMMA =			1.279	

R.E.F. VALUES .03% U_3O_8 CUTOFF

HOLE # AM1C N COORDINATE 1206162.7
ELEVATION 1830.0 E COORDINATE 89084.6
K-FACTOR OF LOG: 0.23E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
61.0	1769.0	.005	.056	11.200
67.0	1763.0	.026	.061	2.346
68.0	1762.0	.029	.036	1.241
96.0	1734.0	.105	.058	0.552
97.0	1733.0	.052	.049	0.942
101.0	1729.0	.117	.168	1.436
105.0	1725.0	.063	.069	1.095
106.0	1724.0	.045	.039	0.867
112.0	1718.0	.043	.039	0.907
113.0	1717.0	.098	.077	0.786
114.0	1716.0	.033	.017	0.515
115.0	1715.0	.087	.080	0.920
116.0	1714.0	.047	.095	2.021
TOTAL		0.750	0.844	
TOTAL CHEM/TOTAL GAMMA =			1.125	

HOLE # AM2C N COORDINATE 1206611.1
ELEVATION 1824.0 E COORDINATE 89137.4
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
70.0	1754.0	.094	.034	0.362
71.0	1753.0	.158	.022	0.139
72.0	1752.0	.049	.026	0.531
77.0	1747.0	.029	.033	1.138
78.0	1746.0	.145	.212	1.462
79.0	1745.0	.091	.031	0.341
80.0	1744.0	.177	.126	0.712
81.0	1743.0	.413	.502	1.215
82.0	1742.0	.189	.066	0.349
83.0	1741.0	.055	.094	1.709
84.0	1740.0	.020	.032	1.600
TOTAL		1.420	1.178	
TOTAL CHEM/TOTAL GAMMA =			0.830	

HOLE # AM7C N COORDINATE 1206159.5
ELEVATION 1931.0 E COORDINATE 90203.8
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
18.0	1913.0	.033	.009	0.273
19.0	1912.0	.078	.212	2.718
20.0	1911.0	.223	.316	1.417
21.0	1910.0	.100	.045	0.450
22.0	1909.0	.031	.003	0.097
99.0	1832.0	.030	.016	0.533
100.0	1831.0	.030	.011	0.367
TOTAL		0.525	0.612	
TOTAL CHEM/TOTAL GAMMA =			1.166	

HOLE # AM10C N COORDINATE 1206400.2
ELEVATION 1934.5 E COORDINATE 82734.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
243.0	1691.5	.187	.446	2.385
244.0	1690.5	.150	.146	0.973
304.0	1630.5	.089	.106	1.191
305.0	1629.5	.049	.031	0.633
308.0	1626.5	.061	.025	0.410
309.0	1625.5	.083	.066	0.795
TOTAL		0.619	0.820	
TOTAL CHEM/TOTAL GAMMA =			1.325	

HOLE # AM13C N COORDINATE 1205399.5
ELEVATION 1940.0 E COORDINATE 90200.1
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.60

HOLE # AM16C N COORDINATE 1205378.7
ELEVATION 1772.0 E COORDINATE 86013.0
K-FACTOR OF LOG: 0.23E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
249.0	1523.0	.036	.010	0.278
250.0	1522.0	.155	.066	0.426
251.0	1521.0	.343	.451	1.315
252.0	1520.0	.135	.314	2.326
272.0	1500.0	.034	.001	0.029
273.0	1499.0	.086	.073	0.849
274.0	1498.0	.096	.086	0.896
293.0	1479.0	.135	.047	0.348
294.0	1478.0	.239	.005	0.021
299.0	1473.0	.036	.067	1.861
300.0	1472.0	.087	.053	0.609
301.0	1471.0	.085	.064	0.753
302.0	1470.0	.063	.033	0.524
303.0	1469.0	.047	.036	0.766
304.0	1468.0	.056	.050	0.893
305.0	1467.0	.097	.029	0.299
306.0	1466.0	.134	.179	1.336
309.0	1463.0	.039	.019	0.487
310.0	1462.0	.044	.049	1.114
311.0	1461.0	.042	.041	0.976
312.0	1460.0	.052	.040	0.769
313.0	1459.0	.024	.033	1.375
314.0	1458.0	.034	.016	0.471
315.0	1457.0	.029	.044	1.517
316.0	1456.0	.010	.039	3.900

TOTAL 2.138 1.845
TOTAL CHEM/TOTAL GAMMA = 0.863

HOLE # AM17C N COORDINATE 1205482.2
ELEVATION 1718.0 E COORDINATE 83097.4
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
105.0	1613.0	.033	.004	0.121
133.0	1585.0	.030	.040	1.333
135.0	1583.0	.017	.030	1.765
139.0	1579.0	.031	.006	0.194
149.0	1569.0	.033	.023	0.697
150.0	1568.0	.030	.024	0.800
151.0	1567.0	.015	.039	2.600
201.0	1517.0	.012	.086	7.167
205.0	1513.0	.052	.059	1.135
206.0	1512.0	.050	.059	1.180
TOTAL		0.303	0.370	
TOTAL CHEM/TOTAL GAMMA =			1.221	

HOLE # AM18C N COORDINATE 1205287.7
ELEVATION 1870.0 E COORDINATE 87905.7
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
281.0	1589.0	.024	.055	2.292
282.0	1588.0	.044	.007	0.159
283.0	1587.0	.053	.095	1.792
284.0	1586.0	.118	.250	2.119
285.0	1585.0	.029	.042	1.448
286.0	1584.0	.016	.042	2.625
290.0	1580.0	.091	.062	0.681
291.0	1579.0	.148	.120	0.811
292.0	1578.0	.048	.038	0.792
296.0	1574.0	.073	.059	0.808
297.0	1573.0	.033	.031	0.939
298.0	1572.0	.038	.110	2.895
299.0	1571.0	.105	.058	0.552
300.0	1570.0	.100	.023	0.230
TOTAL		0.920	0.992	
TOTAL CHEM/TOTAL GAMMA =			1.078	

HOLE # AM22C N COORDINATE 1204433.3
ELEVATION 1946.0 E COORDINATE 87157.6
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
443.0	1503.0	.036	.033	0.917
444.0	1502.0	.075	.116	1.547
460.0	1486.0	.056	.028	0.500
461.0	1485.0	.070	.075	1.071
TOTAL		0.237	0.252	
TOTAL CHEM/TOTAL GAMMA =			1.063	

HOLE # AM26C N COORDINATE 1204234.1
ELEVATION 2032.0 E COORDINATE 88652.9
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
606.0	1426.0	.023	.032	1.391
609.0	1423.0	.026	.047	1.808
628.0	1404.0	.044	.043	0.977
632.0	1400.0	.048	.014	0.292
633.0	1399.0	.088	.040	0.455
634.0	1398.0	.046	.053	1.152
636.0	1396.0	.061	.004	0.066
637.0	1395.0	.145	.118	0.814
638.0	1394.0	.169	.200	1.183
639.0	1393.0	.143	.248	1.734
640.0	1392.0	.032	.017	0.531
641.0	1391.0	.031	.012	0.387
642.0	1390.0	.019	.052	2.737
722.0	1310.0	.031	.008	0.258
723.0	1309.0	.161	.345	2.143
724.0	1308.0	.101	.059	0.584
740.0	1292.0	.022	.034	1.545
742.0	1290.0	.003	.045	15.000
745.0	1287.0	.001	.030	30.000
TOTAL		1.194	1.401	
TOTAL CHEM/TOTAL GAMMA =			1.173	

HOLE # AM28C N COORDINATE 1204753.6
ELEVATION 1853.5 E COORDINATE 89223.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
396.0	1457.5	.029	.034	1.172
399.0	1454.5	.041	.126	3.073
	TOTAL	0.070	0.160	
	TOTAL CHEM/TOTAL GAMMA =		2.286	

HOLE # AM40C N COORDINATE 1206907.4
ELEVATION 1804.5 E COORDINATE 88347.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
68.0	1736.5	.059	.005	0.085
69.0	1735.5	.082	.059	0.720
71.0	1733.5	.046	.003	0.065
TOTAL		0.187	0.067	
TOTAL CHEM/TOTAL GAMMA =			0.358	

HOLE # AM49C N COORDINATE 1204873.8
ELEVATION 2013.0 E COORDINATE 84333.7
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
614.0	1399.0	.019	.034	1.789
615.0	1398.0	.032	.008	0.250
616.0	1397.0	.035	.033	0.943
617.0	1396.0	.063	.058	0.921
618.0	1395.0	.062	.061	0.984
619.0	1394.0	.082	.077	0.939
620.0	1393.0	.082	.040	0.488
621.0	1392.0	.070	.037	0.529
622.0	1391.0	.017	.032	1.882
633.0	1380.0	.041	.114	2.780
634.0	1379.0	.064	.016	0.250
635.0	1378.0	.035	.020	0.571
638.0	1375.0	.067	.078	1.164
TOTAL		0.669	0.608	
TOTAL CHEM/TOTAL GAMMA =			0.909	

HOLE # AM51C N COORDINATE 1205241.0
ELEVATION 1907.0 E COORDINATE 85524.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.15
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
396.0	1511.0	.026	.040	1.538
397.0	1510.0	.032	.013	0.406
398.0	1509.0	.031	.035	1.129
399.0	1508.0	.033	.008	0.242
400.0	1507.0	.033	.012	0.364
403.0	1504.0	.030	.012	0.400
404.0	1503.0	.033	.023	0.697
405.0	1502.0	.030	.011	0.367
406.0	1501.0	.040	.021	0.525
407.0	1500.0	.061	.118	1.934
408.0	1499.0	.043	.007	0.163
410.0	1497.0	.036	.010	0.278
411.0	1496.0	.030	.007	0.233
442.0	1465.0	.025	.044	1.760
443.0	1464.0	.148	.227	1.534
444.0	1463.0	.167	.110	0.659
445.0	1462.0	.076	.020	0.263
447.0	1460.0	.034	.024	0.706
448.0	1459.0	.114	.070	0.614
449.0	1458.0	.061	.077	1.262
466.0	1441.0	.072	.011	0.153
467.0	1440.0	.273	.259	0.949
468.0	1439.0	.374	.295	0.789
469.0	1438.0	.318	.810	2.547
470.0	1437.0	.050	.078	1.560

TOTAL 2.170 2.342
TOTAL CHEM/TOTAL GAMMA = 1.079

HOLE # AM63C N COORDINATE 1206492.5
ELEVATION 1910.5 E COORDINATE 82399.9
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
196.0	1714.5	.053	.005	0.094
197.0	1713.5	.208	.083	0.399
198.0	1712.5	.090	.202	2.244
200.0	1710.5	.022	.038	1.727
224.0	1686.5	.036	.006	0.167
225.0	1685.5	.071	.074	1.042
TOTAL		0.480	0.408	
TOTAL CHEM/TOTAL GAMMA =			0.850	

HOLE # AM67C N COORDINATE 1206097.7
ELEVATION 1801.5 E COORDINATE 82380.7
K-FACTOR OF LOG: 0.56E-05
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
53.0	1748.5	.046	.002	0.043
54.0	1747.5	.040	.010	0.250
	TOTAL	0.086	0.012	
	TOTAL CHEM/TOTAL GAMMA =		0.140	

HOLE # AM68C N COORDINATE 1205680.3
ELEVATION 1698.5 E COORDINATE 83138.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

HOLE # AM71C N COORDINATE 1205693.8
ELEVATION 1693.5 E COORDINATE 82715.1
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
49.0	1644.5	.022	.045	2.045
50.0	1643.5	.042	.026	0.619
51.0	1642.5	.035	.050	1.429
77.0	1616.5	.037	.045	1.216
78.0	1615.5	.049	.029	0.592
79.0	1614.5	.035	.042	1.200
80.0	1613.5	.067	.066	0.985
81.0	1612.5	.086	.101	1.174
82.0	1611.5	.069	.021	0.304
87.0	1606.5	.042	.073	1.738
88.0	1605.5	.048	.029	0.604
89.0	1604.5	.039	.031	0.795
TOTAL		0.571	0.558	
TOTAL CHEM/TOTAL GAMMA =			0.977	

HOLE # AM79C N COORDINATE 1204724.0
ELEVATION 1905.0 E COORDINATE 91527.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
46.0	1859.0	.041	.035	0.854
47.0	1858.0	.035	.021	0.600
TOTAL		0.076	0.056	
TOTAL CHEM/TOTAL GAMMA =			0.737	

HOLE # AM88C N COORDINATE 1205146.2
ELEVATION 1950.0 E COORDINATE 91124.0
K-FACTOR OF LOG: 0.25E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.50

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
82.0	1868.0	.049	.059	1.204
83.0	1867.0	.030	.038	1.267
84.0	1866.0	.011	.041	3.727
88.0	1862.0	.061	.004	0.066
TOTAL		0.151	0.142	
TOTAL CHEM/TOTAL GAMMA =			0.940	

HOLE # AM106C N COORDINATE 1206029.6
ELEVATION 1922.5 E COORDINATE 88777.1
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
241.0	1681.5	.076	.045	0.592
242.0	1680.5	.123	.162	1.317
243.0	1679.5	.038	.021	0.553
244.0	1678.5	.044	.046	1.045
245.0	1677.5	.032	.011	0.344
246.0	1676.5	.057	.010	0.175
254.0	1668.5	.141	.098	0.695
255.0	1667.5	.166	.110	0.663
256.0	1666.5	.039	.035	0.897
257.0	1665.5	.030	.061	2.033
TOTAL		0.746	0.599	
TOTAL CHEM/TOTAL GAMMA =			0.803	

HOLE # AM107C N COORDINATE 1205492.1
ELEVATION 1918.5 E COORDINATE 89059.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
254.0	1664.5	.047	.057	1.213
255.0	1663.5	.052	.031	0.596
260.0	1658.5	.020	.047	2.350
270.0	1648.5	.032	.034	1.063
273.0	1645.5	.025	.033	1.320
274.0	1644.5	.098	.118	1.204
275.0	1643.5	.067	.042	0.627
286.0	1632.5	.030	.017	0.567
287.0	1631.5	.055	.032	0.582
288.0	1630.5	.072	.070	0.972
TOTAL		0.498	0.481	
TOTAL CHEM/TOTAL GAMMA =			0.966	

HOLE # AM113C N COORDINATE 1205174.0
ELEVATION 1883.0 E COORDINATE 89144.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
302.0	1581.0	.041	.022	0.537
303.0	1580.0	.071	.054	0.761
304.0	1579.0	.069	.030	0.435
305.0	1578.0	.046	.032	0.696
320.0	1563.0	.030	.070	2.333
342.0	1541.0	.047	.007	0.149
343.0	1540.0	.143	.156	1.091
345.0	1538.0	.035	.008	0.229
346.0	1537.0	.062	.057	0.919
TOTAL		0.544	0.436	
TOTAL CHEM/TOTAL GAMMA =			0.801	

HOLE # AM119C N COORDINATE 1206422.0
ELEVATION 1824.0 E COORDINATE 88375.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
115.0	1709.0	.111	.044	0.396
116.0	1708.0	.084	.017	0.202
121.0	1703.0	.022	.090	4.091
122.0	1702.0	.064	.045	0.703
123.0	1701.0	.040	.007	0.175
125.0	1699.0	.050	.071	1.420
126.0	1698.0	.046	.011	0.239
132.0	1692.0	.030	.288	9.600
133.0	1691.0	.176	.194	1.102
TOTAL		0.623	0.767	
TOTAL CHEM/TOTAL GAMMA =			1.231	

HOLE # AM127C N COORDINATE 1207186.0
ELEVATION 1868.0 E COORDINATE 88778.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.15
CASING FACTOR: 1.00
DEAD TIME: 9.60

HOLE # AM129C N COORDINATE 1205199.1
ELEVATION 1870.0 E COORDINATE 88352.1
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
281.0	1589.0	.054	.026	0.481
282.0	1588.0	.124	.050	0.403
329.0	1541.0	.040	.048	1.200
330.0	1540.0	.054	.041	0.759
331.0	1539.0	.109	.026	0.239
332.0	1538.0	.331	.308	0.931
333.0	1537.0	.054	.010	0.185
344.0	1526.0	.041	.025	0.610
345.0	1525.0	.046	.035	0.761
346.0	1524.0	.027	.101	3.741
352.0	1518.0	.026	.067	2.577
353.0	1517.0	.178	.530	2.978
354.0	1516.0	.117	.047	0.402
374.0	1496.0	.032	.033	1.031
375.0	1495.0	.087	.075	0.862
376.0	1494.0	.103	.087	0.845
TOTAL		1.423	1.509	
TOTAL CHEM/TOTAL GAMMA =			1.060	

HOLE # AM135C N COORDINATE 1205629.0
ELEVATION 1994.0 E COORDINATE 86736.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.15
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
386.0	1608.0	.028	.031	1.107
387.0	1607.0	.056	.135	2.411
388.0	1606.0	.085	.025	0.294
389.0	1605.0	.058	.033	0.569
390.0	1604.0	.040	.006	0.150
460.0	1534.0	.046	.033	0.717
461.0	1533.0	.064	.171	2.672
462.0	1532.0	.129	.184	1.426
463.0	1531.0	.239	.106	0.444
464.0	1530.0	.228	.090	0.395
465.0	1529.0	.115	.008	0.070
467.0	1527.0	.008	.053	6.625
468.0	1526.0	.014	.138	9.857
469.0	1525.0	.059	.084	1.424
470.0	1524.0	.117	.045	0.385
471.0	1523.0	.070	.058	0.829
472.0	1522.0	.049	.052	1.061
473.0	1521.0	.067	.361	5.388
474.0	1520.0	.223	.273	1.224
475.0	1519.0	.568	.149	0.262
476.0	1518.0	.324	.059	0.182
477.0	1517.0	.080	.011	0.138
TOTAL		2.667	2.105	
TOTAL CHEM/TOTAL GAMMA =			0.789	

HOLE # AM136C N COORDINATE 1205601.1
ELEVATION 1912.0 E COORDINATE 86369.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
300.0	1612.0	.066	.018	0.273
301.0	1611.0	.120	.066	0.550
302.0	1610.0	.063	.035	0.556
337.0	1575.0	.150	.012	0.080
338.0	1574.0	.147	.152	1.034
339.0	1573.0	.044	.064	1.455
342.0	1570.0	.034	.008	0.235
343.0	1569.0	.056	.040	0.714
344.0	1568.0	.023	.054	2.348
353.0	1559.0	.102	.026	0.255
354.0	1558.0	.185	.302	1.632
355.0	1557.0	.088	.040	0.455
356.0	1556.0	.078	.046	0.590
357.0	1555.0	.119	.059	0.496
358.0	1554.0	.150	.172	1.147
359.0	1553.0	.054	.158	2.926
369.0	1543.0	.037	.019	0.514
370.0	1542.0	.091	.042	0.462
371.0	1541.0	.306	.340	1.111
372.0	1540.0	.269	.144	0.535
373.0	1539.0	.102	.048	0.471
374.0	1538.0	.212	.188	0.887
375.0	1537.0	.392	.308	0.786
376.0	1536.0	.177	.172	0.972

TOTAL 3.065 2.513
TOTAL CHEM/TOTAL GAMMA = 0.820

HOLE # AM149C N COORDINATE 1204822.0
ELEVATION 2000.0 E COORDINATE 87149.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.11
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
383.0	1617.0	.037	.014	0.378
384.0	1616.0	.080	.061	0.763
385.0	1615.0	.082	.072	0.878
386.0	1614.0	.040	.032	0.800
387.0	1613.0	.036	.022	0.611
394.0	1606.0	.056	.024	0.429
395.0	1605.0	.049	.050	1.020
396.0	1604.0	.029	.039	1.345
398.0	1602.0	.036	.001	0.028
399.0	1601.0	.039	.039	1.000
408.0	1592.0	.057	.005	0.088
409.0	1591.0	.044	.012	0.273
410.0	1590.0	.046	.047	1.022
411.0	1589.0	.100	.189	1.890
412.0	1588.0	.147	.032	0.218
TOTAL		0.878	0.639	
TOTAL CHEM/TOTAL GAMMA =			0.728	

HOLE # AM152C1 N COORDINATE 1206455.5
ELEVATION 1870.5 E COORDINATE 86731.4
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
128.0	1742.5	.052	.010	0.192
129.0	1741.5	.104	.044	0.423
130.0	1740.5	.081	.008	0.099
TOTAL		0.237	0.062	
TOTAL CHEM/TOTAL GAMMA =			0.262	

HOLE # AM156C N COORDINATE 0.0
ELEVATION 0.0 E COORDINATE 0.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
439.0	-439.0	.058	.007	0.121
440.0	-440.0	.105	.075	0.714
441.0	-441.0	.088	.031	0.352
442.0	-442.0	.056	.038	0.679
443.0	-443.0	.037	.021	0.568
498.0	-498.0	.038	.013	0.342
499.0	-499.0	.055	.178	3.236
500.0	-500.0	.042	.024	0.571
504.0	-504.0	.104	.064	0.615
505.0	-505.0	.148	.017	0.115
547.0	-547.0	.036	.048	1.333
548.0	-548.0	.053	.052	0.981
549.0	-549.0	.082	.065	0.793
550.0	-550.0	.117	.198	1.692
551.0	-551.0	.089	.010	0.112
590.0	-590.0	.033	.106	3.212
591.0	-591.0	.054	.004	0.074
625.0	-625.0	.001	.092	92.000

TOTAL 1.196 1.043
TOTAL CHEM/TOTAL GAMMA = 0.872

HOLE # AM171C N COORDINATE 1203950.8
ELEVATION 2034.5 E COORDINATE 89129.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
538.0	1496.5	.002	.055	27.500
540.0	1494.5	.030	.050	1.667
541.0	1493.5	.030	.014	0.467
542.0	1492.5	.034	.028	0.824
543.0	1491.5	.035	.058	1.657
544.0	1490.5	.041	.015	0.366
557.0	1477.5	.027	.041	1.519
575.0	1459.5	.044	.033	0.750
576.0	1458.5	.056	.078	1.393
577.0	1457.5	.036	.031	0.861
TOTAL		0.335	0.403	
TOTAL CHEM/TOTAL GAMMA =			1.203	

HOLE # AM184C N COORDINATE 1204407.0
ELEVATION 1982.0 E COORDINATE 87543.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.16
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
466.0	1516.0	.030	.022	0.733
467.0	1515.0	.056	.060	1.071
468.0	1514.0	.051	.066	1.294
469.0	1513.0	.038	.055	1.447
470.0	1512.0	.022	.032	1.455
472.0	1510.0	.059	.024	0.407
473.0	1509.0	.070	.012	0.171
474.0	1508.0	.034	.097	2.853
475.0	1507.0	.022	.048	2.182
478.0	1504.0	.022	.032	1.455
485.0	1497.0	.155	.020	0.129
486.0	1496.0	.115	.273	2.374
498.0	1484.0	.038	.045	1.184
499.0	1483.0	.037	.032	0.865
500.0	1482.0	.039	.063	1.615
501.0	1481.0	.027	.033	1.222
525.0	1457.0	.027	.070	2.593
659.0	1323.0	.062	.001	0.016
660.0	1322.0	.068	.139	2.044
672.0	1310.0	.044	.100	2.273
TOTAL		1.016	1.224	
TOTAL CHEM/TOTAL GAMMA =			1.205	

HOLE # AM222C N COORDINATE 1204359.0
ELEVATION 1942.0 E COORDINATE 92986.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
111.0	1831.0	.068	.142	2.088
112.0	1830.0	.057	.016	0.281
117.0	1825.0	.045	.032	0.711
118.0	1824.0	.052	.006	0.115
TOTAL		0.222	0.196	
TOTAL CHEM/TOTAL GAMMA =			0.883	

HOLE # AM229C N COORDINATE 1204548.0
ELEVATION 1943.0 E COORDINATE 90729.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
121.0	1822.0	.048	.010	0.208
123.0	1820.0	.003	.033	11.000
124.0	1819.0	.014	.094	6.714
142.0	1801.0	.049	.090	1.837
143.0	1800.0	.029	.032	1.103
145.0	1798.0	.023	.031	1.348
TOTAL		0.166	0.290	
TOTAL CHEM/TOTAL GAMMA =			1.747	

HOLE # AM244C N COORDINATE 1205744.0
ELEVATION 1935.0 E COORDINATE 90744.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

HOLE # AM254C N COORDINATE 1207154.5
ELEVATION 0.0 E COORDINATE 90156.6
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
123.0	-123.0	.076	.002	0.026
124.0	-124.0	.053	.014	0.264
125.0	-125.0	.079	.015	0.190
126.0	-126.0	.065	.005	0.077
TOTAL		0.273	0.036	
TOTAL CHEM/TOTAL GAMMA =			0.132	

HOLE # AM258C N COORDINATE 1205749.5
ELEVATION 1912.5 E COORDINATE 90128.8
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
81.0	1831.5	.025	.045	1.800
82.0	1830.5	.036	.034	0.944
83.0	1829.5	.039	.026	0.667
84.0	1828.5	.041	.012	0.293
85.0	1827.5	.090	.162	1.800
86.0	1826.5	.066	.055	0.833
87.0	1825.5	.130	.138	1.062
88.0	1824.5	.068	.068	1.000
89.0	1823.5	.049	.047	0.959
90.0	1822.5	.075	.060	0.800
91.0	1821.5	.080	.017	0.213
92.0	1820.5	.030	.028	0.933
93.0	1819.5	.033	.027	0.818
94.0	1818.5	.033	.022	0.667
TOTAL		0.795	0.741	
TOTAL CHEM/TOTAL GAMMA =			0.932	

HOLE # AM273C N COORDINATE 1205738.3
ELEVATION 0.0 E COORDINATE 89548.1
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
37.0	-37.0	.096	.241	2.510
38.0	-38.0	.087	.009	0.103
41.0	-41.0	.033	.027	0.818
136.0	-136.0	.026	.030	1.154
137.0	-137.0	.035	.030	0.857
138.0	-138.0	.037	.071	1.919
139.0	-139.0	.040	.027	0.675
176.0	-176.0	.013	.040	3.077
177.0	-177.0	.013	.046	3.538
180.0	-180.0	.034	.015	0.441
TOTAL		0.414	0.536	
TOTAL CHEM/TOTAL GAMMA =			1.295	

HOLE # AM274C N COORDINATE 1206709.1
ELEVATION 0.0 E COORDINATE 89340.5
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
53.0	-53.0	.032	.001	0.031
54.0	-54.0	.069	.001	0.014
55.0	-55.0	.059	.048	0.814
56.0	-56.0	.084	.011	0.131
57.0	-57.0	.047	.002	0.043
TOTAL		0.291	0.063	
TOTAL CHEM/TOTAL GAMMA =			0.216	

HOLE # AM275C N COORDINATE 1206740.0
ELEVATION 0.0 E COORDINATE 87791.8
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
46.0	-46.0	.051	.004	0.078
47.0	-47.0	.285	.425	1.491
48.0	-48.0	.283	.419	1.481
49.0	-49.0	.044	.022	0.500
51.0	-51.0	.025	.062	2.480
TOTAL		0.688	0.932	
TOTAL CHEM/TOTAL GAMMA =			1.355	

HOLE # AM281C N COORDINATE 1205360.7
ELEVATION 1899.5 E COORDINATE 89749.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
161.0	1738.5	.023	.050	2.174
162.0	1737.5	.041	.042	1.024
168.0	1731.5	.036	.029	0.806
169.0	1730.5	.048	.068	1.417
170.0	1729.5	.044	.040	0.909
171.0	1728.5	.031	.010	0.323
196.0	1703.5	.089	.064	0.719
197.0	1702.5	.145	.024	0.166
198.0	1701.5	.064	.013	0.203
199.0	1700.5	.122	.012	0.098
200.0	1699.5	.049	.014	0.286
TOTAL		0.692	0.366	
TOTAL CHEM/TOTAL GAMMA =			0.529	

HOLE # AM286C N COORDINATE 1206160.3
ELEVATION 1858.0 E COORDINATE 89549.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
63.0	1795.0	.062	.004	0.065
64.0	1794.0	.066	.096	1.455
65.0	1793.0	.060	.039	0.650
66.0	1792.0	.042	.020	0.476
97.0	1761.0	.052	.059	1.135
103.0	1755.0	.043	.086	2.000
112.0	1746.0	.032	.019	0.594
113.0	1745.0	.039	.034	0.872
TOTAL		0.396	0.357	
TOTAL CHEM/TOTAL GAMMA =			0.902	

HOLE # AM289C N COORDINATE 1205568.5
ELEVATION 1830.0 E COORDINATE 88533.9
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
82.0	1748.0	.046	.046	1.000
83.0	1747.0	.099	.079	0.798
84.0	1746.0	.088	.006	0.068
85.0	1745.0	.034	.002	0.059
139.0	1691.0	.039	.002	0.051
140.0	1690.0	.057	.039	0.684
141.0	1689.0	.054	.020	0.370
142.0	1688.0	.050	.043	0.860
143.0	1687.0	.044	.033	0.750
144.0	1686.0	.031	.022	0.710
145.0	1685.0	.020	.048	2.400
147.0	1683.0	.021	.032	1.524
166.0	1664.0	.047	.014	0.298
167.0	1663.0	.083	.108	1.301
168.0	1662.0	.072	.024	0.333
270.0	1560.0	.048	.106	2.208
TOTAL		0.833	0.624	
TOTAL CHEM/TOTAL GAMMA =			0.749	

HOLE # AM308C N COORDINATE 1206613.0
ELEVATION 1768.0 E COORDINATE 87355.3
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
72.0	1696.0	.044	.037	0.841
73.0	1695.0	.039	.025	0.641
	TOTAL	0.083	0.062	
	TOTAL CHEM/TOTAL GAMMA =		0.747	

HOLE # AM322C N COORDINATE 1206183.3
ELEVATION 1808.0 E COORDINATE 87929.1
K-FACTOR OF LOG: 0.54E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.65

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
115.0	1693.0	.034	.013	0.382
116.0	1692.0	.052	.057	1.096
117.0	1691.0	.009	.041	4.556
128.0	1680.0	.090	.064	0.711
129.0	1679.0	.063	.095	1.508
132.0	1676.0	.063	.001	0.016
133.0	1675.0	.049	.130	2.653
TOTAL		0.360	0.401	
TOTAL CHEM/TOTAL GAMMA =			1.114	

HOLE # AM323C N COORDINATE 1206220.8
ELEVATION 1786.0 E COORDINATE 87540.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
143.0	1643.0	.041	.011	0.268
144.0	1642.0	.216	.474	2.194
145.0	1641.0	.360	.260	0.722
146.0	1640.0	.055	.028	0.509
149.0	1637.0	.081	.021	0.259
150.0	1636.0	.226	.189	0.836
151.0	1635.0	.062	.027	0.435
TOTAL		1.041	1.010	
TOTAL CHEM/TOTAL GAMMA =			0.970	

HOLE # AM325C N COORDINATE 1205993.7
ELEVATION 1822.5 E COORDINATE 88136.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
114.0	1708.5	.121	.052	0.430
115.0	1707.5	.129	.106	0.822
136.0	1686.5	.069	2.140	31.014
137.0	1685.5	.858	.028	0.033
138.0	1684.5	1.468	.538	0.366
139.0	1683.5	.199	.770	3.869
TOTAL		2.844	3.634	
TOTAL CHEM/TOTAL GAMMA =			1.278	

HOLE # AM336C N COORDINATE 1205565.7
ELEVATION 1837.0 E COORDINATE 88152.4
K-FACTOR OF LOG: 0.25E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 7.50

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
215.0	1622.0	.119	.039	0.328
216.0	1621.0	.327	.125	0.382
217.0	1620.0	.110	.014	0.127
250.0	1587.0	.039	.074	1.897
251.0	1586.0	.038	.029	0.763
TOTAL		0.633	0.281	
TOTAL CHEM/TOTAL GAMMA =			0.444	

HOLE # AM337C N COORDINATE 1205564.0
ELEVATION 2013.0 E COORDINATE 87335.6
K-FACTOR OF LOG: 0.16E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
428.0	1585.0	.026	.045	1.731
429.0	1584.0	.095	.057	0.600
430.0	1583.0	.046	.026	0.565
TOTAL		0.167	0.128	
TOTAL CHEM/TOTAL GAMMA =			0.766	

HOLE # AM338C N COORDINATE 1205456.3
ELEVATION 1921.0 E COORDINATE 87545.2
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
339.0	1582.0	.031	.002	0.065
340.0	1581.0	.061	.033	0.541
341.0	1580.0	.036	.005	0.139
342.0	1579.0	.038	.025	0.658
343.0	1578.0	.036	.018	0.500
344.0	1577.0	.056	.027	0.482
345.0	1576.0	.095	.100	1.053
346.0	1575.0	.151	.116	0.768
347.0	1574.0	.172	.146	0.849
348.0	1573.0	.106	.007	0.066
349.0	1572.0	.044	.004	0.091
350.0	1571.0	.135	.146	1.081
351.0	1570.0	.113	.012	0.106
352.0	1569.0	.056	.146	2.607
353.0	1568.0	.089	.041	0.461

TOTAL 1.219 0.828
TOTAL CHEM/TOTAL GAMMA = 0.679

HOLE # AM345C N COORDINATE 1204978.3
ELEVATION 1950.5 E COORDINATE 87530.2
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.42
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
371.0	1579.5	.114	.468	4.105
372.0	1578.5	.258	.005	0.019
373.0	1577.5	.074	.009	0.122
415.0	1535.5	.016	.034	2.125
416.0	1534.5	.042	.007	0.167
417.0	1533.5	.144	.248	1.722
418.0	1532.5	.077	.140	1.818
445.0	1505.5	.047	.008	0.170
446.0	1504.5	.134	.488	3.642
447.0	1503.5	.032	.018	0.562
451.0	1499.5	.029	.067	2.310
453.0	1497.5	.045	.162	3.600
467.0	1483.5	.049	.118	2.408
468.0	1482.5	.030	.007	0.233
TOTAL		1.091	1.779	
TOTAL CHEM/TOTAL GAMMA =			1.631	

HOLE # AM351C N COORDINATE 1204496.8
ELEVATION 1875.0 E COORDINATE 89636.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.42
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
389.0	1486.0	.045	.088	1.956
390.0	1485.0	.035	.026	0.743
394.0	1481.0	.036	.024	0.667
395.0	1480.0	.052	.033	0.635
396.0	1479.0	.042	.052	1.238

TOTAL	0.210	0.223
TOTAL CHEM/TOTAL GAMMA =		1.062

HOLE # AM371C N COORDINATE 1205812.6
ELEVATION 2009.5 E COORDINATE 86934.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
406.0	1603.5	.015	.118	7.867
409.0	1600.5	.038	.020	0.526
410.0	1599.5	.036	.077	2.139
411.0	1598.5	.054	.053	0.981
412.0	1597.5	.139	.059	0.424
413.0	1596.5	.110	.002	0.018
427.0	1582.5	.132	.083	0.629
428.0	1581.5	.300	.412	1.373
429.0	1580.5	.186	.097	0.522
430.0	1579.5	.078	.024	0.308
431.0	1578.5	.073	.292	4.000
432.0	1577.5	.103	.021	0.204
433.0	1576.5	.052	.008	0.154
434.0	1575.5	.038	.052	1.368
435.0	1574.5	.063	.095	1.508
436.0	1573.5	.093	.051	0.548
437.0	1572.5	.061	.017	0.279
438.0	1571.5	.101	.190	1.881
439.0	1570.5	.330	.274	0.830
440.0	1569.5	.344	.198	0.576
441.0	1568.5	.184	.020	0.109
442.0	1567.5	.096	.394	4.104
443.0	1566.5	.143	.154	1.077
444.0	1565.5	.223	.094	0.422
445.0	1564.5	.139	.228	1.640
446.0	1563.5	.155	.075	0.484
447.0	1562.5	.175	.013	0.074
448.0	1561.5	.101	.001	0.010
TOTAL		3.562	3.122	
TOTAL CHEM/TOTAL GAMMA =			0.876	

HOLE # AM373C N COORDINATE 1206212.5
ELEVATION 2029.0 E COORDINATE 86521.4
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
368.0	1661.0	.059	.038	0.644
370.0	1659.0	.062	.095	1.532
371.0	1658.0	.034	.009	0.265
372.0	1657.0	.080	.142	1.775
373.0	1656.0	.030	.019	0.633
378.0	1651.0	.062	.014	0.226
379.0	1650.0	.015	.034	2.267
TOTAL		0.342	0.351	
TOTAL CHEM/TOTAL GAMMA =			1.026	

HOLE # AM384C N COORDINATE 1205218.7
ELEVATION 1939.0 E COORDINATE 86527.7
K-FACTOR OF LOG: 0.29E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
366.0	1573.0	.035	.004	0.114
367.0	1572.0	.087	.468	5.379
399.0	1540.0	.043	.014	0.326
400.0	1539.0	.135	.524	3.881
401.0	1538.0	.123	.035	0.285
420.0	1519.0	.093	.002	0.022
421.0	1518.0	.200	.002	0.010
422.0	1517.0	.091	.014	0.154
444.0	1495.0	.034	.083	2.441
445.0	1494.0	.045	.035	0.778
TOTAL		0.886	1.181	
TOTAL CHEM/TOTAL GAMMA =			1.333	

HOLE # AM388C N COORDINATE 1205212.1
ELEVATION 1908.5 E COORDINATE 86938.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
344.0	1564.5	.054	.005	0.093
346.0	1562.5	.013	.040	3.077
388.0	1520.5	.056	.009	0.161
389.0	1519.5	.108	.144	1.333
390.0	1518.5	.079	.055	0.696
392.0	1516.5	.030	.018	0.600
393.0	1515.5	.050	.034	0.680
394.0	1514.5	.058	.042	0.724
395.0	1513.5	.048	.106	2.208
396.0	1512.5	.024	.031	1.292
406.0	1502.5	.050	.026	0.520
407.0	1501.5	.207	.810	3.913
408.0	1500.5	.298	.146	0.490
409.0	1499.5	.158	.162	1.025
410.0	1498.5	.040	.024	0.600
427.0	1481.5	.032	.027	0.844
428.0	1480.5	.040	.039	0.975
429.0	1479.5	.033	.031	0.939
432.0	1476.5	.047	.047	1.000
433.0	1475.5	.062	.102	1.645
434.0	1474.5	.051	.031	0.608
435.0	1473.5	.032	.024	0.750

TOTAL 1.570 1.953
TOTAL CHEM/TOTAL GAMMA = 1.244

HOLE # AM388V N COORDINATE 1208000.0
ELEVATION 0.0 E COORDINATE 94000.0
K-FACTOR OF LOG: 0.24E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 8.74

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
349.0	-349.0	.070	.012	0.171
350.0	-350.0	.126	.062	0.492
351.0	-351.0	.048	.062	1.292
353.0	-353.0	.033	.028	0.848
396.0	-396.0	.018	.035	1.944
397.0	-397.0	.061	.035	0.574
398.0	-398.0	.217	.307	1.415
399.0	-399.0	.209	.307	1.469
400.0	-400.0	.013	.051	3.923
401.0	-401.0	.003	.051	17.000
414.0	-414.0	.011	.083	7.545
415.0	-415.0	.117	.083	0.709
416.0	-416.0	.220	.260	1.182
417.0	-417.0	.264	.260	0.985
418.0	-418.0	.176	.224	1.273
419.0	-419.0	.240	.224	0.933
420.0	-420.0	.081	.088	1.086
421.0	-421.0	.026	.088	3.385

TOTAL 1.933 2.260
TOTAL CHEM/TOTAL GAMMA = 1.169

HOLE # AM390C N COORDINATE 1206214.0
ELEVATION 1916.0 E COORDINATE 86787.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
283.0	1633.0	.086	.113	1.314
284.0	1632.0	.058	.003	0.052
285.0	1631.0	.068	.001	0.015
TOTAL		0.212	0.117	
TOTAL CHEM/TOTAL GAMMA =			0.552	

HOLE # AM396C N COORDINATE 1205886.3
ELEVATION 1772.0 E COORDINATE 85977.3
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.42
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
75.0	1697.0	.164	1.120	6.829
76.0	1696.0	.270	.170	0.630
77.0	1695.0	.063	.003	0.048
129.0	1643.0	.060	.017	0.283
130.0	1642.0	.035	.029	0.829
143.0	1629.0	.028	.068	2.429
144.0	1628.0	.096	.057	0.594
145.0	1627.0	.060	.001	0.017
TOTAL		0.776	1.465	
TOTAL CHEM/TOTAL GAMMA =			1.888	

HOLE # AM412C N COORDINATE 1206104.0
ELEVATION 1802.0 E COORDINATE 86179.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
130.0	1672.0	.186	.010	0.054
131.0	1671.0	.353	.702	1.989
132.0	1670.0	.176	.330	1.875
133.0	1669.0	.106	.251	2.368
134.0	1668.0	.071	.080	1.127
135.0	1667.0	.069	.068	0.986
136.0	1666.0	.115	.048	0.417
TOTAL		1.076	1.489	
TOTAL CHEM/TOTAL GAMMA =			1.384	

HOLE # AM419C N COORDINATE 1204833.4
ELEVATION 2003.0 E COORDINATE 88103.9
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
456.0	1547.0	.008	.031	3.875
458.0	1545.0	.052	.009	0.173
462.0	1541.0	.030	.008	0.267
494.0	1509.0	.030	.024	0.800
495.0	1508.0	.060	.092	1.533
496.0	1507.0	.057	.031	0.544
497.0	1506.0	.040	.057	1.425
498.0	1505.0	.038	.010	0.263
499.0	1504.0	.041	.057	1.390
501.0	1502.0	.036	.035	0.972
518.0	1485.0	.078	.048	0.615
519.0	1484.0	.105	.104	0.990
520.0	1483.0	.059	.071	1.203
521.0	1482.0	.063	.026	0.413
522.0	1481.0	.050	.050	1.000
523.0	1480.0	.032	.018	0.562
548.0	1455.0	.070	.012	0.171
549.0	1454.0	.193	.166	0.860
550.0	1453.0	.066	.162	2.455

TOTAL 1.108 1.011
TOTAL CHEM/TOTAL GAMMA = 0.912

HOLE # AM422C N COORDINATE 1204637.6
ELEVATION 1915.0 E COORDINATE 85733.7
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.08
CASING FACTOR: 1.27
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
457.0	1458.0	.052	.092	1.769
458.0	1457.0	.058	.101	1.741
459.0	1456.0	.033	.044	1.333
460.0	1455.0	.023	.035	1.522
463.0	1452.0	.033	.047	1.424
464.0	1451.0	.028	.036	1.286
465.0	1450.0	.031	.029	0.935
466.0	1449.0	.024	.033	1.375
467.0	1448.0	.033	.044	1.333
469.0	1446.0	.027	.035	1.296
470.0	1445.0	.022	.033	1.500
471.0	1444.0	.008	.031	3.875

TOTAL 0.372 0.560
TOTAL CHEM/TOTAL GAMMA = 1.505

HOLE # AM427C N COORDINATE 1203961.3
ELEVATION 2078.0 E COORDINATE 89699.2
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.09
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
549.0	1529.0	.030	.010	0.333
550.0	1528.0	.049	.142	2.898
551.0	1527.0	.072	.023	0.319
552.0	1526.0	.053	.019	0.358
553.0	1525.0	.095	.097	1.021
554.0	1524.0	.132	.179	1.356
569.0	1509.0	.045	.003	0.067
570.0	1508.0	.047	.156	3.319
571.0	1507.0	.055	.022	0.400
572.0	1506.0	.134	.098	0.731
573.0	1505.0	.119	.038	0.319
574.0	1504.0	.084	.081	0.964
575.0	1503.0	.042	.026	0.619
TOTAL		0.957	0.894	
TOTAL CHEM/TOTAL GAMMA =			0.934	

HOLE # AM431C N COORDINATE 1204772.4
ELEVATION 2055.0 E COORDINATE 88138.5
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
560.0	1495.0	.064	.003	0.047
561.0	1494.0	.119	.192	1.613
562.0	1493.0	.045	.058	1.289
564.0	1491.0	.034	.026	0.765
565.0	1490.0	.019	.032	1.684
577.0	1478.0	.029	.038	1.310
580.0	1475.0	.013	.037	2.846
587.0	1468.0	.033	.052	1.576
592.0	1463.0	.032	.033	1.031
TOTAL		0.388	0.471	
TOTAL CHEM/TOTAL GAMMA =			1.214	

HOLE # AM434C N COORDINATE 1204674.0
ELEVATION 2002.0 E COORDINATE 83565.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
531.0	1471.0	.024	.044	1.833

TOTAL	0.024	0.044
TOTAL CHEM/TOTAL GAMMA =		1.833

HOLE # AM435C N COORDINATE 1206039.0
ELEVATION 1797.0 E COORDINATE 82897.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
101.0	1696.0	.053	.040	0.755
102.0	1695.0	.148	.165	1.115
103.0	1694.0	.055	.029	0.527
106.0	1691.0	.017	.035	2.059
177.0	1620.0	.046	.046	1.000
178.0	1619.0	.045	.001	0.022
179.0	1618.0	.048	.041	0.854
TOTAL		0.412	0.357	
TOTAL CHEM/TOTAL GAMMA =			0.867	

HOLE # AM436C N COORDINATE 1206476.0
ELEVATION 1938.0 E COORDINATE 82589.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
221.0	1717.0	.093	.114	1.226
222.0	1716.0	.246	.082	0.333
223.0	1715.0	.036	.030	0.833

TOTAL 0.375 0.226
TOTAL CHEM/TOTAL GAMMA = 0.603

HOLE # AM443C N COORDINATE 1205018.1
ELEVATION 1809.5 E COORDINATE 85960.6
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
278.0	1531.5	.012	.040	3.333
280.0	1529.5	.052	.024	0.462
281.0	1528.5	.055	.004	0.073
323.0	1486.5	.118	.029	0.246
324.0	1485.5	.191	.388	2.031
325.0	1484.5	.044	.018	0.409
326.0	1483.5	.011	.033	3.000
331.0	1478.5	.030	.019	0.633
332.0	1477.5	.022	.033	1.500
342.0	1467.5	.040	.019	0.475
343.0	1466.5	.131	.021	0.160
344.0	1465.5	.136	.066	0.485
345.0	1464.5	.045	.202	4.489
346.0	1463.5	.010	.047	4.700
360.0	1449.5	.149	.020	0.134
361.0	1448.5	.048	.031	0.646
362.0	1447.5	.010	.068	6.800
363.0	1446.5	.009	.142	15.778
372.0	1437.5	.047	.047	1.000
373.0	1436.5	.059	.047	0.797
374.0	1435.5	.013	.040	3.077
375.0	1434.5	.048	.038	0.792
376.0	1433.5	.056	.008	0.143
TOTAL		1.336	1.384	
TOTAL CHEM/TOTAL GAMMA =			1.036	

HOLE # AM444C N COORDINATE 1204777.0
ELEVATION 1875.0 E COORDINATE 86534.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.22
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
344.0	1531.0	.091	.446	4.901
345.0	1530.0	.192	.225	1.172
346.0	1529.0	.073	.010	0.137
365.0	1510.0	.011	.034	3.091
389.0	1486.0	.025	.030	1.200
393.0	1482.0	.016	.052	3.250
395.0	1480.0	.033	.014	0.424
412.0	1463.0	.020	.052	2.600
414.0	1461.0	.031	.003	0.097
423.0	1452.0	.010	.030	3.000
424.0	1451.0	.022	.048	2.182
425.0	1450.0	.032	.016	0.500
565.0	1310.0	.024	.142	5.917
566.0	1309.0	.074	.016	0.216
567.0	1308.0	.075	.049	0.653

TOTAL	0.729	1.167
TOTAL CHEM/TOTAL GAMMA =		1.601

HOLE # AM486C N COORDINATE 1204200.0
ELEVATION 2003.0 E COORDINATE 88103.9
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
445.0	1558.0	.010	.122	12.200
446.0	1557.0	.027	.071	2.630
447.0	1556.0	.039	.014	0.359
495.0	1508.0	.043	.083	1.930
496.0	1507.0	.059	.010	0.169
502.0	1501.0	.031	.050	1.613
503.0	1500.0	.038	.028	0.737
513.0	1490.0	.069	.059	0.855
514.0	1489.0	.187	.135	0.722
515.0	1488.0	.051	.130	2.549
TOTAL		0.554	0.702	
TOTAL CHEM/TOTAL GAMMA =			1.267	

R.E.F. VALUES .04% U_3O_8 CUTOFF

HOLE # AM1C N COORDINATE 1206162.7
ELEVATION 1830.0 E COORDINATE 89084.6
K-FACTOR OF LOG: 0.23E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
61.0	1769.0	.005	.056	11.200
67.0	1763.0	.026	.061	2.346
96.0	1734.0	.105	.058	0.552
97.0	1733.0	.052	.049	0.942
101.0	1729.0	.117	.168	1.436
105.0	1725.0	.063	.069	1.095
106.0	1724.0	.045	.039	0.867
112.0	1718.0	.043	.039	0.907
113.0	1717.0	.098	.077	0.786
115.0	1715.0	.087	.080	0.920
116.0	1714.0	.047	.095	2.021
TOTAL		0.688	0.791	
TOTAL CHEM/TOTAL GAMMA =			1.150	

HOLE # AM2C N COORDINATE 1206611.1
ELEVATION 1824.0 E COORDINATE 89137.4
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
70.0	1754.0	.094	.034	0.362
71.0	1753.0	.158	.022	0.139
72.0	1752.0	.049	.026	0.531
78.0	1746.0	.145	.212	1.462
79.0	1745.0	.091	.031	0.341
80.0	1744.0	.177	.126	0.712
81.0	1743.0	.413	.502	1.215
82.0	1742.0	.189	.066	0.349
83.0	1741.0	.055	.094	1.709
TOTAL		1.371	1.113	
TOTAL CHEM/TOTAL GAMMA =			0.812	

HOLE # AM7C N COORDINATE 1206159.5
ELEVATION 1931.0 E COORDINATE 90203.8
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
19.0	1912.0	.078	.212	2.718
20.0	1911.0	.223	.316	1.417
21.0	1910.0	.100	.045	0.450

TOTAL 0.401 0.573
TOTAL CHEM/TOTAL GAMMA = 1.429

HOLE # AM10C N COORDINATE 1206400.2
ELEVATION 1934.5 E COORDINATE 82734.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
243.0	1691.5	.187	.446	2.385
244.0	1690.5	.150	.146	0.973
304.0	1630.5	.089	.106	1.191
305.0	1629.5	.049	.031	0.633
308.0	1626.5	.061	.025	0.410
309.0	1625.5	.083	.066	0.795

TOTAL 0.619 0.820
TOTAL CHEM/TOTAL GAMMA = 1.325

HOLE # AM13C N COORDINATE 1205399.5
ELEVATION 1940.0 E COORDINATE 90200.1
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
125.0	1815.0	.020	.047	2.350
128.0	1812.0	.047	.001	0.021
129.0	1811.0	.050	.007	0.140
131.0	1809.0	.041	.022	0.537
133.0	1807.0	.040	.017	0.425
134.0	1806.0	.061	.024	0.393
135.0	1805.0	.049	.011	0.224
137.0	1803.0	.048	.023	0.479

TOTAL	0.356	0.152
TOTAL CHEM/TOTAL GAMMA =		0.427

HOLE # AM16C N COORDINATE 1205378.7
ELEVATION 1772.0 E COORDINATE 86013.0
K-FACTOR OF LOG: 0.23E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
250.0	1522.0	.155	.066	0.426
251.0	1521.0	.343	.451	1.315
252.0	1520.0	.135	.314	2.326
273.0	1499.0	.086	.073	0.849
274.0	1498.0	.096	.086	0.896
293.0	1479.0	.135	.047	0.348
294.0	1478.0	.239	.005	0.021
299.0	1473.0	.036	.067	1.861
300.0	1472.0	.087	.053	0.609
301.0	1471.0	.085	.064	0.753
302.0	1470.0	.063	.033	0.524
303.0	1469.0	.047	.036	0.766
304.0	1468.0	.056	.050	0.893
305.0	1467.0	.097	.029	0.299
306.0	1466.0	.134	.179	1.336
310.0	1462.0	.044	.049	1.114
311.0	1461.0	.042	.041	0.976
312.0	1460.0	.052	.040	0.769
315.0	1457.0	.029	.044	1.517
TOTAL		1.961	1.727	
TOTAL CHEM/TOTAL GAMMA =			0.881	

HOLE # AM17C N COORDINATE 1205482.2
ELEVATION 1718.0 E COORDINATE 83097.4
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
133.0	1585.0	.030	.040	1.333
201.0	1517.0	.012	.086	7.167
205.0	1513.0	.052	.059	1.135
206.0	1512.0	.050	.059	1.180

TOTAL	0.144	0.244
TOTAL CHEM/TOTAL GAMMA =		1.694

HOLE # AM18C N COORDINATE 1205287.7
ELEVATION 1870.0 E COORDINATE 87905.7
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
281.0	1589.0	.024	.055	2.292
282.0	1588.0	.044	.007	0.159
283.0	1587.0	.053	.095	1.792
284.0	1586.0	.118	.250	2.119
285.0	1585.0	.029	.042	1.448
286.0	1584.0	.016	.042	2.625
290.0	1580.0	.091	.062	0.681
291.0	1579.0	.148	.120	0.811
292.0	1578.0	.048	.038	0.792
296.0	1574.0	.073	.059	0.808
298.0	1572.0	.038	.110	2.895
299.0	1571.0	.105	.058	0.552
300.0	1570.0	.100	.023	0.230
TOTAL		0.887	0.961	
TOTAL CHEM/TOTAL GAMMA =			1.083	

HOLE # AM22C N COORDINATE 1204433.3
ELEVATION 1946.0 E COORDINATE 87157.6
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
444.0	1502.0	.075	.116	1.547
460.0	1486.0	.056	.028	0.500
461.0	1485.0	.070	.075	1.071
TOTAL		0.201	0.219	
TOTAL CHEM/TOTAL GAMMA =			1.090	

HOLE # AM26C N COORDINATE 1204234.1
ELEVATION 2032.0 E COORDINATE 88652.9
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
609.0	1423.0	.026	.047	1.808
628.0	1404.0	.044	.043	0.977
632.0	1400.0	.048	.014	0.292
633.0	1399.0	.088	.040	0.455
634.0	1398.0	.046	.053	1.152
636.0	1396.0	.061	.004	0.066
637.0	1395.0	.145	.118	0.814
638.0	1394.0	.169	.200	1.183
639.0	1393.0	.143	.248	1.734
642.0	1390.0	.019	.052	2.737
723.0	1309.0	.161	.345	2.143
724.0	1308.0	.101	.059	0.584
742.0	1290.0	.003	.045	15.000
TOTAL		1.054	1.268	
TOTAL CHEM/TOTAL GAMMA =			1.203	

HOLE # AM28C N COORDINATE 1204753.6
ELEVATION 1853.5 E COORDINATE 89223.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
399.0	1454.5	.041	.126	3.073

TOTAL	0.041	0.126
TOTAL CHEM/TOTAL GAMMA =		3.073

HOLE # AM40C N COORDINATE 1206907.4
ELEVATION 1804.5 E COORDINATE 88347.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
68.0	1736.5	.059	.005	0.085
69.0	1735.5	.082	.059	0.720
71.0	1733.5	.046	.003	0.065
TOTAL		0.187	0.067	
TOTAL CHEM/TOTAL GAMMA =			0.358	

HOLE # AM49C N COORDINATE 1204873.8
ELEVATION 2013.0 E COORDINATE 84333.7
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
617.0	1396.0	.063	.058	0.921
618.0	1395.0	.062	.061	0.984
619.0	1394.0	.082	.077	0.939
620.0	1393.0	.082	.040	0.488
621.0	1392.0	.070	.037	0.529
633.0	1380.0	.041	.114	2.780
634.0	1379.0	.064	.016	0.250
638.0	1375.0	.067	.078	1.164
TOTAL		0.531	0.481	
TOTAL CHEM/TOTAL GAMMA =			0.906	

HOLE # AM51C N COORDINATE 1205241.0
ELEVATION 1907.0 E COORDINATE 85524.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.15
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
396.0	1511.0	.026	.040	1.538
406.0	1501.0	.040	.021	0.525
407.0	1500.0	.061	.118	1.934
408.0	1499.0	.043	.007	0.163
442.0	1465.0	.025	.044	1.760
443.0	1464.0	.148	.227	1.534
444.0	1463.0	.167	.110	0.659
445.0	1462.0	.076	.020	0.263
448.0	1459.0	.114	.070	0.614
449.0	1458.0	.061	.077	1.262
466.0	1441.0	.072	.011	0.153
467.0	1440.0	.273	.259	0.949
468.0	1439.0	.374	.295	0.789
469.0	1438.0	.318	.810	2.547
470.0	1437.0	.050	.078	1.560
TOTAL		1.848	2.187	
TOTAL CHEM/TOTAL GAMMA =			1.183	

HOLE # AM63C N COORDINATE 1206492.5
ELEVATION 1910.5 E COORDINATE 82399.9
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
196.0	1714.5	.053	.005	0.094
197.0	1713.5	.208	.083	0.399
198.0	1712.5	.090	.202	2.244
225.0	1685.5	.071	.074	1.042
TOTAL		0.422	0.364	
TOTAL CHEM/TOTAL GAMMA =			0.863	

HOLE # AM67C N COORDINATE 1206097.7
ELEVATION 1801.5 E COORDINATE 82380.7
K-FACTOR OF LOG: 0.56E-05
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
53.0	1748.5	.046	.002	0.043
54.0	1747.5	.040	.010	0.250
TOTAL		0.086	0.012	
TOTAL CHEM/TOTAL GAMMA =			0.140	

HOLE # AM68C N COORDINATE 1205680.3
ELEVATION 1698.5 E COORDINATE 83138.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
107.0	1591.5	.049	.077	1.571
110.0	1588.5	.078	.006	0.077
111.0	1587.5	.098	.006	0.061
114.0	1584.5	.005	.071	14.200
117.0	1581.5	.066	.078	1.182
118.0	1580.5	.048	.008	0.167
119.0	1579.5	.050	.003	0.060
120.0	1578.5	.073	.002	0.027
147.0	1551.5	.015	.059	3.933
151.0	1547.5	.008	.164	20.500
153.0	1545.5	.051	.004	0.078
154.0	1544.5	.062	.003	0.048
155.0	1543.5	.110	.334	3.036
156.0	1542.5	.196	.006	0.031
157.0	1541.5	.213	.003	0.014
160.0	1538.5	.047	.002	0.043
161.0	1537.5	.143	.003	0.021
TOTAL		1.312	0.829	
TOTAL CHEM/TOTAL GAMMA =			0.632	

HOLE # AM71C N COORDINATE 1205693.8
ELEVATION 1693.5 E COORDINATE 82715.1
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
49.0	1644.5	.022	.045	2.045
50.0	1643.5	.042	.026	0.619
51.0	1642.5	.035	.050	1.429
77.0	1616.5	.037	.045	1.216
78.0	1615.5	.049	.029	0.592
79.0	1614.5	.035	.042	1.200
80.0	1613.5	.067	.066	0.985
81.0	1612.5	.086	.101	1.174
82.0	1611.5	.069	.021	0.304
87.0	1606.5	.042	.073	1.738
88.0	1605.5	.048	.029	0.604
TOTAL		0.532	0.527	
TOTAL CHEM/TOTAL GAMMA =			0.991	

HOLE # AM79C N COORDINATE 1204724.0
ELEVATION 1905.0 E COORDINATE 91527.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
46.0	1859.0	.041	.035	0.854
	TOTAL	0.041	0.035	
	TOTAL CHEM/TOTAL GAMMA =		0.854	

HOLE # AM88C N COORDINATE 1205146.2
ELEVATION 1950.0 E COORDINATE 91124.0
K-FACTOR OF LOG: 0.25E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.50

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
82.0	1868.0	.049	.059	1.204
84.0	1866.0	.011	.041	3.727
88.0	1862.0	.061	.004	0.066
TOTAL		0.121	0.104	
TOTAL CHEM/TOTAL GAMMA =			0.860	

HOLE # AM106C N COORDINATE 1206029.6
ELEVATION 1922.5 E COORDINATE 88777.1
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
241.0	1681.5	.076	.045	0.592
242.0	1680.5	.123	.162	1.317
244.0	1678.5	.044	.046	1.045
246.0	1676.5	.057	.010	0.175
254.0	1668.5	.141	.098	0.695
255.0	1667.5	.166	.110	0.663
257.0	1665.5	.030	.061	2.033
TOTAL		0.637	0.532	
TOTAL CHEM/TOTAL GAMMA =			0.835	

HOLE # AM107C N COORDINATE 1205492.1
ELEVATION 1918.5 E COORDINATE 89059.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
254.0	1664.5	.047	.057	1.213
255.0	1663.5	.052	.031	0.596
260.0	1658.5	.020	.047	2.350
274.0	1644.5	.098	.118	1.204
275.0	1643.5	.067	.042	0.627
287.0	1631.5	.055	.032	0.582
288.0	1630.5	.072	.070	0.972

TOTAL	0.411	0.397
TOTAL CHEM/TOTAL GAMMA =		0.966

HOLE # AM113C N COORDINATE 1205174.0
ELEVATION 1883.0 E COORDINATE 89144.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
302.0	1581.0	.041	.022	0.537
303.0	1580.0	.071	.054	0.761
304.0	1579.0	.069	.030	0.435
305.0	1578.0	.046	.032	0.696
320.0	1563.0	.030	.070	2.333
342.0	1541.0	.047	.007	0.149
343.0	1540.0	.143	.156	1.091
346.0	1537.0	.062	.057	0.919
TOTAL		0.509	0.428	
TOTAL CHEM/TOTAL GAMMA =			0.841	

HOLE # AM119C N COORDINATE 1206422.0
ELEVATION 1824.0 E COORDINATE 88375.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
115.0	1709.0	.111	.044	0.396
116.0	1708.0	.084	.017	0.202
121.0	1703.0	.022	.090	4.091
122.0	1702.0	.064	.045	0.703
123.0	1701.0	.040	.007	0.175
125.0	1699.0	.050	.071	1.420
126.0	1698.0	.046	.011	0.239
132.0	1692.0	.030	.288	9.600
133.0	1691.0	.176	.194	1.102
TOTAL		0.623	0.767	
TOTAL CHEM/TOTAL GAMMA =			1.231	

HOLE # AM127C N COORDINATE 1207186.0
ELEVATION 1868.0 E COORDINATE 88778.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.15
CASING FACTOR: 1.00
DEAD TIME: 9.60

HOLE # AM129C N COORDINATE 1205199.1
ELEVATION 1870.0 E COORDINATE 88352.1
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
281.0	1589.0	.054	.026	0.481
282.0	1588.0	.124	.050	0.403
329.0	1541.0	.040	.048	1.200
330.0	1540.0	.054	.041	0.759
331.0	1539.0	.109	.026	0.239
332.0	1538.0	.331	.308	0.931
333.0	1537.0	.054	.010	0.185
344.0	1526.0	.041	.025	0.610
345.0	1525.0	.046	.035	0.761
346.0	1524.0	.027	.101	3.741
352.0	1518.0	.026	.067	2.577
353.0	1517.0	.178	.530	2.978
354.0	1516.0	.117	.047	0.402
375.0	1495.0	.087	.075	0.862
376.0	1494.0	.103	.087	0.845
TOTAL		1.391	1.476	
TOTAL CHEM/TOTAL GAMMA =			1.061	

HOLE # AM135C N COORDINATE 1205629.0
ELEVATION 1994.0 E COORDINATE 86736.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.15
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
387.0	1607.0	.056	.135	2.411
388.0	1606.0	.085	.025	0.294
389.0	1605.0	.058	.033	0.569
390.0	1604.0	.040	.006	0.150
460.0	1534.0	.046	.033	0.717
461.0	1533.0	.064	.171	2.672
462.0	1532.0	.129	.184	1.426
463.0	1531.0	.239	.106	0.444
464.0	1530.0	.228	.090	0.395
465.0	1529.0	.115	.008	0.070
467.0	1527.0	.008	.053	6.625
468.0	1526.0	.014	.138	9.857
469.0	1525.0	.059	.084	1.424
470.0	1524.0	.117	.045	0.385
471.0	1523.0	.070	.058	0.829
472.0	1522.0	.049	.052	1.061
473.0	1521.0	.067	.361	5.388
474.0	1520.0	.223	.273	1.224
475.0	1519.0	.568	.149	0.262
476.0	1518.0	.324	.059	0.182
477.0	1517.0	.080	.011	0.138

TOTAL 2.639 2.074
TOTAL CHEM/TOTAL GAMMA = 0.786

HOLE # AM136C N COORDINATE 1205601.1
ELEVATION 1912.0 E COORDINATE 86369.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
300.0	1612.0	.066	.018	0.273
301.0	1611.0	.120	.066	0.550
302.0	1610.0	.063	.035	0.556
337.0	1575.0	.150	.012	0.080
338.0	1574.0	.147	.152	1.034
339.0	1573.0	.044	.064	1.455
343.0	1569.0	.056	.040	0.714
344.0	1568.0	.023	.054	2.348
353.0	1559.0	.102	.026	0.255
354.0	1558.0	.185	.302	1.632
355.0	1557.0	.088	.040	0.455
356.0	1556.0	.078	.046	0.590
357.0	1555.0	.119	.059	0.496
358.0	1554.0	.150	.172	1.147
359.0	1553.0	.054	.158	2.926
370.0	1542.0	.091	.042	0.462
371.0	1541.0	.306	.340	1.111
372.0	1540.0	.269	.144	0.535
373.0	1539.0	.102	.048	0.471
374.0	1538.0	.212	.188	0.887
375.0	1537.0	.392	.308	0.786
376.0	1536.0	.177	.172	0.972
TOTAL		2.994	2.486	
TOTAL CHEM/TOTAL GAMMA =			0.830	

HOLE # AM149C N COORDINATE 1204822.0
ELEVATION 2000.0 E COORDINATE 87149.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.11
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
384.0	1616.0	.080	.061	0.763
385.0	1615.0	.082	.072	0.878
386.0	1614.0	.040	.032	0.800
394.0	1606.0	.056	.024	0.429
395.0	1605.0	.049	.050	1.020
408.0	1592.0	.057	.005	0.088
409.0	1591.0	.044	.012	0.273
410.0	1590.0	.046	.047	1.022
411.0	1589.0	.100	.189	1.890
412.0	1588.0	.147	.032	0.218
TOTAL		0.701	0.524	
TOTAL CHEM/TOTAL GAMMA =			0.748	

HOLE # AM152C1 N COORDINATE 1206455.5
ELEVATION 1870.5 E COORDINATE 86731.4
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
128.0	1742.5	.052	.010	0.192
129.0	1741.5	.104	.044	0.423
130.0	1740.5	.081	.008	0.099
TOTAL		0.237	0.062	
TOTAL CHEM/TOTAL GAMMA =			0.262	

HOLE # AM156C N COORDINATE 0.0
ELEVATION 0.0 E COORDINATE 0.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
439.0	-439.0	.058	.007	0.121
440.0	-440.0	.105	.075	0.714
441.0	-441.0	.088	.031	0.352
442.0	-442.0	.056	.038	0.679
499.0	-499.0	.055	.178	3.236
500.0	-500.0	.042	.024	0.571
504.0	-504.0	.104	.064	0.615
505.0	-505.0	.148	.017	0.115
547.0	-547.0	.036	.048	1.333
548.0	-548.0	.053	.052	0.981
549.0	-549.0	.082	.065	0.793
550.0	-550.0	.117	.198	1.692
551.0	-551.0	.089	.010	0.112
590.0	-590.0	.033	.106	3.212
591.0	-591.0	.054	.004	0.074
625.0	-625.0	.001	.092	92.000

TOTAL 1.121 1.009
TOTAL CHEM/TOTAL GAMMA = 0.900

HOLE # AM171C N COORDINATE 1203950.8
ELEVATION 2034.5 E COORDINATE 89129.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
538.0	1496.5	.002	.055	27.500
540.0	1494.5	.030	.050	1.667
543.0	1491.5	.035	.058	1.657
544.0	1490.5	.041	.015	0.366
557.0	1477.5	.027	.041	1.519
575.0	1459.5	.044	.033	0.750
576.0	1458.5	.056	.078	1.393

TOTAL 0.235 0.330
TOTAL CHEM/TOTAL GAMMA = 1.404

HOLE # AM184C N COORDINATE 1204407.0
ELEVATION 1982.0 E COORDINATE 87543.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.16
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
467.0	1515.0	.056	.060	1.071
468.0	1514.0	.051	.066	1.294
469.0	1513.0	.038	.055	1.447
472.0	1510.0	.059	.024	0.407
473.0	1509.0	.070	.012	0.171
474.0	1508.0	.034	.097	2.853
475.0	1507.0	.022	.048	2.182
485.0	1497.0	.155	.020	0.129
486.0	1496.0	.115	.273	2.374
498.0	1484.0	.038	.045	1.184
500.0	1482.0	.039	.063	1.615
525.0	1457.0	.027	.070	2.593
659.0	1323.0	.062	.001	0.016
660.0	1322.0	.068	.139	2.044
672.0	1310.0	.044	.100	2.273
TOTAL		0.878	1.073	
TOTAL CHEM/TOTAL GAMMA =			1.222	

HOLE # AM222C N COORDINATE 1204359.0
ELEVATION 1942.0 E COORDINATE 92986.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
111.0	1831.0	.068	.142	2.088
112.0	1830.0	.057	.016	0.281
117.0	1825.0	.045	.032	0.711
118.0	1824.0	.052	.006	0.115

TOTAL	0.222	0.196
TOTAL CHEM/TOTAL GAMMA =		0.883

HOLE # AM229C N COORDINATE 1204548.0
ELEVATION 1943.0 E COORDINATE 90729.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
121.0	1822.0	.048	.010	0.208
124.0	1819.0	.014	.094	6.714
142.0	1801.0	.049	.090	1.837
TOTAL		0.111	0.194	
TOTAL CHEM/TOTAL GAMMA =			1.748	

HOLE # AM244C N COORDINATE 1205744.0
ELEVATION 1935.0 E COORDINATE 90744.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

HOLE # AM254C N COORDINATE 1207154.5
ELEVATION 0.0 E COORDINATE 90156.6
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
123.0	-123.0	.076	.002	0.026
124.0	-124.0	.053	.014	0.264
125.0	-125.0	.079	.015	0.190
126.0	-126.0	.065	.005	0.077
TOTAL		0.273	0.036	
TOTAL CHEM/TOTAL GAMMA =			0.132	

HOLE # AM258C N COORDINATE 1205749.5
ELEVATION 1912.5 E COORDINATE 90128.8
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
81.0	1831.5	.025	.045	1.800
84.0	1828.5	.041	.012	0.293
85.0	1827.5	.090	.162	1.800
86.0	1826.5	.066	.055	0.833
87.0	1825.5	.130	.138	1.062
88.0	1824.5	.068	.068	1.000
89.0	1823.5	.049	.047	0.959
90.0	1822.5	.075	.060	0.800
91.0	1821.5	.080	.017	0.213
TOTAL		0.624	0.604	
TOTAL CHEM/TOTAL GAMMA =			0.968	

HOLE # AM273C N COORDINATE 1205738.3
ELEVATION 0.0 E COORDINATE 89548.1
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
37.0	-37.0	.096	.241	2.510
38.0	-38.0	.087	.009	0.103
138.0	-138.0	.037	.071	1.919
139.0	-139.0	.040	.027	0.675
176.0	-176.0	.013	.040	3.077
177.0	-177.0	.013	.046	3.538

TOTAL 0.286 0.434
TOTAL CHEM/TOTAL GAMMA = 1.517

HOLE # AM274C N COORDINATE 1206709.1
ELEVATION 0.0 E COORDINATE 89340.5
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
54.0	-54.0	.069	.001	0.014
55.0	-55.0	.059	.048	0.814
56.0	-56.0	.084	.011	0.131
57.0	-57.0	.047	.002	0.043
TOTAL		0.259	0.062	
TOTAL CHEM/TOTAL GAMMA =			0.239	

HOLE # AM275C N COORDINATE 1206740.0
ELEVATION 0.0 E COORDINATE 87791.8
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
46.0	-46.0	.051	.004	0.078
47.0	-47.0	.285	.425	1.491
48.0	-48.0	.283	.419	1.481
49.0	-49.0	.044	.022	0.500
51.0	-51.0	.025	.062	2.480
TOTAL		0.688	0.932	
TOTAL CHEM/TOTAL GAMMA =			1.355	

HOLE # AM281C N COORDINATE 1205360.7
ELEVATION 1899.5 E COORDINATE 89749.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
161.0	1738.5	.023	.050	2.174
162.0	1737.5	.041	.042	1.024
169.0	1730.5	.048	.068	1.417
170.0	1729.5	.044	.040	0.909
196.0	1703.5	.089	.064	0.719
197.0	1702.5	.145	.024	0.166
198.0	1701.5	.064	.013	0.203
199.0	1700.5	.122	.012	0.098
200.0	1699.5	.049	.014	0.266
TOTAL		0.625	0.327	
TOTAL CHEM/TOTAL GAMMA =			0.523	

HOLE # AM286C N COORDINATE 1206160.3
ELEVATION 1858.0 E COORDINATE 89549.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
63.0	1795.0	.062	.004	0.065
64.0	1794.0	.066	.096	1.455
65.0	1793.0	.060	.039	0.650
66.0	1792.0	.042	.020	0.476
97.0	1761.0	.052	.059	1.135
103.0	1755.0	.043	.086	2.000

TOTAL	0.325	0.304
TOTAL CHEM/TOTAL GAMMA =		0.935

HOLE # AM289C N COORDINATE 1205568.5
ELEVATION 1830.0 E COORDINATE 88533.9
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
82.0	1748.0	.046	.046	1.000
83.0	1747.0	.099	.079	0.798
84.0	1746.0	.088	.006	0.068
140.0	1690.0	.057	.039	0.684
141.0	1689.0	.054	.020	0.370
142.0	1688.0	.050	.043	0.860
143.0	1687.0	.044	.033	0.750
145.0	1685.0	.020	.048	2.400
166.0	1664.0	.047	.014	0.298
167.0	1663.0	.083	.108	1.301
168.0	1662.0	.072	.024	0.333
270.0	1560.0	.048	.106	2.208
TOTAL		0.708	0.566	
TOTAL CHEM/TOTAL GAMMA =			0.799	

HOLE # AM308C N COORDINATE 1206613.0
ELEVATION 1768.0 E COORDINATE 87355.3
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
72.0	1696.0	.044	.037	0.841

TOTAL 0.044 0.037
TOTAL CHEM/TOTAL GAMMA = 0.841

HOLE # AM322C N COORDINATE 1206183.3
ELEVATION 1808.0 E COORDINATE 87929.1
K-FACTOR OF LOG: 0.54E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.65

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
116.0	1692.0	.052	.057	1.096
117.0	1691.0	.009	.041	4.556
128.0	1680.0	.090	.064	0.711
129.0	1679.0	.063	.095	1.508
132.0	1676.0	.063	.001	0.016
133.0	1675.0	.049	.130	2.653
TOTAL		0.326	0.388	
TOTAL CHEM/TOTAL GAMMA =			1.190	

HOLE # AM323C N COORDINATE 1206220.8
ELEVATION 1786.0 E COORDINATE 87540.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
143.0	1643.0	.041	.011	0.268
144.0	1642.0	.216	.474	2.194
145.0	1641.0	.360	.260	0.722
146.0	1640.0	.055	.028	0.509
149.0	1637.0	.081	.021	0.259
150.0	1636.0	.226	.189	0.836
151.0	1635.0	.062	.027	0.435
TOTAL		1.041	1.010	
TOTAL CHEM/TOTAL GAMMA =			0.970	

HOLE # AM325C N COORDINATE 1205993.7
ELEVATION 1822.5 E COORDINATE 88136.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
114.0	1708.5	.121	.052	0.430
115.0	1707.5	.129	.106	0.822
136.0	1686.5	.069	2.140	31.014
137.0	1685.5	.858	.028	0.033
138.0	1684.5	1.468	.538	0.366
139.0	1683.5	.199	.770	3.869
TOTAL		2.844	3.634	
TOTAL CHEM/TOTAL GAMMA =			1.278	

HOLE # AM336C N COORDINATE 1205565.7
ELEVATION 1837.0 E COORDINATE 88152.4
K-FACTOR OF LOG: 0.25E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 7.50

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
215.0	1622.0	.119	.039	0.328
216.0	1621.0	.327	.125	0.382
217.0	1620.0	.110	.014	0.127
250.0	1587.0	.039	.074	1.897

TOTAL 0.595 0.252
TOTAL CHEM/TOTAL GAMMA = 0.424

HOLE # AM337C N COORDINATE 1205564.0
ELEVATION 2013.0 E COORDINATE 87335.6
K-FACTOR OF LOG: 0.16E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
428.0	1585.0	.026	.045	1.731
429.0	1584.0	.095	.057	0.600
430.0	1583.0	.046	.026	0.565
TOTAL		0.167	0.128	
TOTAL CHEM/TOTAL GAMMA =			0.766	

HOLE # AM338C N COORDINATE 1205456.3
ELEVATION 1921.0 E COORDINATE 87545.2
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
340.0	1581.0	.061	.033	0.541
344.0	1577.0	.056	.027	0.482
345.0	1576.0	.095	.100	1.053
346.0	1575.0	.151	.116	0.768
347.0	1574.0	.172	.146	0.849
348.0	1573.0	.106	.007	0.066
349.0	1572.0	.044	.004	0.091
350.0	1571.0	.135	.146	1.081
351.0	1570.0	.113	.012	0.106
352.0	1569.0	.056	.146	2.607
353.0	1568.0	.089	.041	0.461

TOTAL 1.078 0.778
TOTAL CHEM/TOTAL GAMMA = 0.722

HOLE # AM345C N COORDINATE 1204978.3
ELEVATION 1950.5 E COORDINATE 87530.2
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.42
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
371.0	1579.5	.114	.468	4.105
372.0	1578.5	.258	.005	0.019
373.0	1577.5	.074	.009	0.122
416.0	1534.5	.042	.007	0.167
417.0	1533.5	.144	.248	1.722
418.0	1532.5	.077	.140	1.818
445.0	1505.5	.047	.008	0.170
446.0	1504.5	.134	.488	3.642
451.0	1499.5	.029	.067	2.310
453.0	1497.5	.045	.162	3.600
467.0	1483.5	.049	.118	2.408
TOTAL		1.013	1.720	
TOTAL CHEM/TOTAL GAMMA =			1.698	

HOLE # AM351C N COORDINATE 1204496.8
ELEVATION 1875.0 E COORDINATE 89636.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.42
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
389.0	1486.0	.045	.088	1.956
395.0	1480.0	.052	.033	0.635
396.0	1479.0	.042	.052	1.238
	TOTAL	0.139	0.173	
	TOTAL CHEM/TOTAL GAMMA =		1.245	

HOLE # AM371C N COORDINATE 1205812.6
ELEVATION 2009.5 E COORDINATE 86934.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
406.0	1603.5	.015	.118	7.867
410.0	1599.5	.036	.077	2.139
411.0	1598.5	.054	.053	0.981
412.0	1597.5	.139	.059	0.424
413.0	1596.5	.110	.002	0.018
427.0	1582.5	.132	.083	0.629
428.0	1581.5	.300	.412	1.373
429.0	1580.5	.186	.097	0.522
430.0	1579.5	.078	.024	0.308
431.0	1578.5	.073	.292	4.000
432.0	1577.5	.103	.021	0.204
433.0	1576.5	.052	.008	0.154
434.0	1575.5	.038	.052	1.368
435.0	1574.5	.063	.095	1.508
436.0	1573.5	.093	.051	0.548
437.0	1572.5	.061	.017	0.279
438.0	1571.5	.101	.190	1.881
439.0	1570.5	.330	.274	0.830
440.0	1569.5	.344	.198	0.576
441.0	1568.5	.184	.020	0.109
442.0	1567.5	.096	.394	4.104
443.0	1566.5	.143	.154	1.077
444.0	1565.5	.223	.094	0.422
445.0	1564.5	.139	.228	1.640
446.0	1563.5	.155	.075	0.484
447.0	1562.5	.175	.013	0.074
448.0	1561.5	.101	.001	0.010

TOTAL 3.524 3.102
TOTAL CHEM/TOTAL GAMMA = 0.880

HOLE # AM373C N COORDINATE 1206212.5
ELEVATION 2029.0 E COORDINATE 86521.4
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
368.0	1661.0	.059	.038	0.644
370.0	1659.0	.062	.095	1.532
372.0	1657.0	.080	.142	1.775
378.0	1651.0	.062	.014	0.226

TOTAL 0.263 0.289
TOTAL CHEM/TOTAL GAMMA = 1.099

HOLE # AM384C N COORDINATE 1205218.7
ELEVATION 1939.0 E COORDINATE 86527.7
K-FACTOR OF LOG: 0.29E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
367.0	1572.0	.087	.468	5.379
399.0	1540.0	.043	.014	0.326
400.0	1539.0	.135	.524	3.881
401.0	1538.0	.123	.035	0.285
420.0	1519.0	.093	.002	0.022
421.0	1518.0	.200	.002	0.010
422.0	1517.0	.091	.014	0.154
444.0	1495.0	.034	.083	2.441
445.0	1494.0	.045	.035	0.778
TOTAL		0.851	1.177	
TOTAL CHEM/TOTAL GAMMA =			1.383	

HOLE # AM388C N COORDINATE 1205212.1
ELEVATION 1908.5 E COORDINATE 86938.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
344.0	1564.5	.054	.005	0.093
346.0	1562.5	.013	.040	3.077
388.0	1520.5	.056	.009	0.161
389.0	1519.5	.108	.144	1.333
390.0	1518.5	.079	.055	0.696
393.0	1515.5	.050	.034	0.680
394.0	1514.5	.058	.042	0.724
395.0	1513.5	.048	.106	2.208
406.0	1502.5	.050	.026	0.520
407.0	1501.5	.207	.810	3.913
408.0	1500.5	.298	.146	0.490
409.0	1499.5	.158	.162	1.025
410.0	1498.5	.040	.024	0.600
428.0	1480.5	.040	.039	0.975
432.0	1476.5	.047	.047	1.000
433.0	1475.5	.062	.102	1.645
434.0	1474.5	.051	.031	0.608
TOTAL		1.419	1.822	
TOTAL CHEM/TOTAL GAMMA =			1.284	

HOLE # AM388V N COORDINATE 1208000.0
ELEVATION 1906.0 E COORDINATE 94000.0
K-FACTOR OF LOG: 0.24E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 8.74

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
349.0	1557.0	.070	.012	0.171
350.0	1556.0	.126	.062	0.492
351.0	1555.0	.048	.062	1.292
397.0	1509.0	.061	.035	0.574
398.0	1508.0	.217	.307	1.415
399.0	1507.0	.209	.307	1.469
400.0	1506.0	.013	.051	3.923
401.0	1505.0	.003	.051	17.000
414.0	1492.0	.011	.083	7.545
415.0	1491.0	.117	.083	0.709
416.0	1490.0	.220	.260	1.182
417.0	1489.0	.264	.260	0.985
418.0	1488.0	.176	.224	1.273
419.0	1487.0	.240	.224	0.933
420.0	1486.0	.081	.088	1.086
421.0	1485.0	.026	.088	3.385
TOTAL		1.882	2.197	
TOTAL CHEM/TOTAL GAMMA =			1.167	

HOLE # AM390C N COORDINATE 1206214.0
ELEVATION 1916.0 E COORDINATE 86787.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
283.0	1633.0	.086	.113	1.314
284.0	1632.0	.058	.003	0.052
285.0	1631.0	.068	.001	0.015
TOTAL		0.212	0.117	
TOTAL CHEM/TOTAL GAMMA =			0.552	

HOLE # AM396C N COORDINATE 1205886.3
ELEVATION 1772.0 E COORDINATE 85977.3
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.42
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
75.0	1697.0	.164	1.120	6.829
76.0	1696.0	.270	.170	0.630
77.0	1695.0	.063	.003	0.048
129.0	1643.0	.060	.017	0.283
143.0	1629.0	.028	.068	2.429
144.0	1628.0	.096	.057	0.594
145.0	1627.0	.060	.001	0.017
TOTAL		0.741	1.436	
TOTAL CHEM/TOTAL GAMMA =			1.938	

HOLE # AM412C N COORDINATE 1206104.0
ELEVATION 1802.0 E COORDINATE 86179.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
130.0	1672.0	.186	.010	0.054
131.0	1671.0	.353	.702	1.989
132.0	1670.0	.176	.330	1.875
133.0	1669.0	.106	.251	2.368
134.0	1668.0	.071	.080	1.127
135.0	1667.0	.069	.068	0.986
136.0	1666.0	.115	.048	0.417
TOTAL		1.076	1.489	
TOTAL CHEM/TOTAL GAMMA =			1.384	

HOLE # AM419C N COORDINATE 1204833.4
ELEVATION 2003.0 E COORDINATE 88103.9
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
458.0	1545.0	.052	.009	0.173
495.0	1508.0	.060	.092	1.533
496.0	1507.0	.057	.031	0.544
497.0	1506.0	.040	.057	1.425
499.0	1504.0	.041	.057	1.390
518.0	1485.0	.078	.048	0.615
519.0	1484.0	.105	.104	0.990
520.0	1483.0	.059	.071	1.203
521.0	1482.0	.063	.026	0.413
522.0	1481.0	.050	.050	1.000
548.0	1455.0	.070	.012	0.171
549.0	1454.0	.193	.166	0.860
550.0	1453.0	.066	.162	2.455
TOTAL		0.934	0.885	
TOTAL CHEM/TOTAL GAMMA =			0.948	

HOLE # AM422C N COORDINATE 1204637.6
ELEVATION 1915.0 E COORDINATE 85733.7
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.08
CASING FACTOR: 1.27
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
457.0	1458.0	.052	.092	1.769
458.0	1457.0	.058	.101	1.741
459.0	1456.0	.033	.044	1.333
463.0	1452.0	.033	.047	1.424
467.0	1448.0	.033	.044	1.333
TOTAL		0.209	0.328	
TOTAL CHEM/TOTAL GAMMA =			1.569	

HOLE # AM427C N COORDINATE 1203961.3
ELEVATION 2078.0 E COORDINATE 89699.2
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.09
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
550.0	1528.0	.049	.142	2.898
551.0	1527.0	.072	.023	0.319
552.0	1526.0	.053	.019	0.358
553.0	1525.0	.095	.097	1.021
554.0	1524.0	.132	.179	1.356
569.0	1509.0	.045	.003	0.067
570.0	1508.0	.047	.156	3.319
571.0	1507.0	.055	.022	0.400
572.0	1506.0	.134	.098	0.731
573.0	1505.0	.119	.038	0.319
574.0	1504.0	.084	.081	0.964
575.0	1503.0	.042	.026	0.619
TOTAL		0.927	0.884	
TOTAL CHEM/TOTAL GAMMA =			0.954	

HOLE # AM431C N COORDINATE 1204772.4
ELEVATION 2055.0 E COORDINATE 88138.5
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
560.0	1495.0	.064	.003	0.047
561.0	1494.0	.119	.192	1.613
562.0	1493.0	.045	.058	1.289
587.0	1468.0	.033	.052	1.576
TOTAL		0.261	0.305	
TOTAL CHEM/TOTAL GAMMA =			1.169	

HOLE # AM434C N COORDINATE 1204674.0
ELEVATION 2002.0 E COORDINATE 83565.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
531.0	1471.0	.024	.044	1.833
	TOTAL	0.024	0.044	
	TOTAL CHEM/TOTAL GAMMA =		1.833	

HOLE # AM435C N COORDINATE 1206039.0
ELEVATION 1797.0 E COORDINATE 82897.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
101.0	1696.0	.053	.040	0.755
102.0	1695.0	.148	.165	1.115
103.0	1694.0	.055	.029	0.527
177.0	1620.0	.046	.046	1.000
178.0	1619.0	.045	.001	0.022
179.0	1618.0	.048	.041	0.854
TOTAL		0.395	0.322	
TOTAL CHEM/TOTAL GAMMA =			0.815	

HOLE # AM436C N COORDINATE 1206476.0
ELEVATION 1938.0 E COORDINATE 82589.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
221.0	1717.0	.093	.114	1.226
222.0	1716.0	.246	.082	0.333
	TOTAL	0.339	0.196	
	TOTAL CHEM/TOTAL GAMMA =		0.578	

HOLE # AM443C N COORDINATE 1205018.1
ELEVATION 1809.5 E COORDINATE 85960.6
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
278.0	1531.5	.012	.040	3.333
280.0	1529.5	.052	.024	0.462
281.0	1528.5	.055	.004	0.073
323.0	1486.5	.118	.029	0.246
324.0	1485.5	.191	.388	2.031
325.0	1484.5	.044	.018	0.409
342.0	1467.5	.040	.019	0.475
343.0	1466.5	.131	.021	0.160
344.0	1465.5	.136	.066	0.485
345.0	1464.5	.045	.202	4.489
346.0	1463.5	.010	.047	4.700
360.0	1449.5	.149	.020	0.134
361.0	1448.5	.048	.031	0.646
362.0	1447.5	.010	.068	6.800
363.0	1446.5	.009	.142	15.778
372.0	1437.5	.047	.047	1.000
373.0	1436.5	.059	.047	0.797
374.0	1435.5	.013	.040	3.077
375.0	1434.5	.048	.038	0.792
376.0	1433.5	.056	.008	0.143

TOTAL 1.273 1.299
TOTAL CHEM/TOTAL GAMMA = 1.020

HOLE # AM444C N COORDINATE 1204777.0
ELEVATION 1875.0 E COORDINATE 86534.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.22
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
344.0	1531.0	.091	.446	4.901
345.0	1530.0	.192	.225	1.172
346.0	1529.0	.073	.010	0.137
393.0	1482.0	.016	.052	3.250
412.0	1463.0	.020	.052	2.600
424.0	1451.0	.022	.048	2.182
565.0	1310.0	.024	.142	5.917
566.0	1309.0	.074	.016	0.216
567.0	1308.0	.075	.049	0.653
TOTAL		0.587	1.040	
TOTAL CHEM/TOTAL GAMMA =			1.772	

HOLE # AM486C N COORDINATE 1204200.0
ELEVATION 2003.0 E COORDINATE 68103.9
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
445.0	1558.0	.010	.122	12.200
446.0	1557.0	.027	.071	2.630
495.0	1508.0	.043	.083	1.930
496.0	1507.0	.059	.010	0.169
502.0	1501.0	.031	.050	1.613
513.0	1490.0	.069	.059	0.855
514.0	1489.0	.187	.135	0.722
515.0	1488.0	.051	.130	2.549
TOTAL		0.477	0.660	
TOTAL CHEM/TOTAL GAMMA =			1.384	

All Holes

$\sum$ gamma = 51.941

$\sum$ chem = 53.125

$\frac{\sum \text{CHEM}}{\sum \text{GAMMA}}$ = 1.023

R.E.F. VALUES .05% U_3O_8 CUTOFF

HOLE # AMIC N COORDINATE 1206162.7
ELEVATION 1830.0 E COORDINATE 89084.6
K-FACTOR OF LOG: 0.23E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
61.0	1769.0	.005	.056	11.200
67.0	1763.0	.026	.061	2.346
96.0	1734.0	.105	.058	0.552
97.0	1733.0	.052	.049	0.942
101.0	1729.0	.117	.168	1.436
105.0	1725.0	.063	.069	1.095
113.0	1717.0	.098	.077	0.786
115.0	1715.0	.087	.080	0.920
116.0	1714.0	.047	.095	2.021
TOTAL		0.600	0.713	
TOTAL CHEM/TOTAL GAMMA =			1.188	

HOLE # AM2C N COORDINATE 1206611.1
ELEVATION 1824.0 E COORDINATE 89137.4
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
70.0	1754.0	.094	.034	0.362
71.0	1753.0	.158	.022	0.139
78.0	1746.0	.145	.212	1.462
79.0	1745.0	.091	.031	0.341
80.0	1744.0	.177	.126	0.712
81.0	1743.0	.413	.502	1.215
82.0	1742.0	.189	.066	0.349
83.0	1741.0	.055	.094	1.709
TOTAL		1.322	1.087	
TOTAL CHEM/TOTAL GAMMA =			0.822	

HOLE # AM7C N COORDINATE 1206159.5
ELEVATION 1931.0 E COORDINATE 90203.8
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
19.0	1912.0	.078	.212	2.718
20.0	1911.0	.223	.316	1.417
21.0	1910.0	.100	.045	0.450
TOTAL		0.401	0.573	
TOTAL CHEM/TOTAL GAMMA =			1.429	

HOLE # AM10C N COORDINATE 1206400.2
ELEVATION 1934.5 E COORDINATE 82734.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
243.0	1691.5	.187	.446	2.385
244.0	1690.5	.150	.146	0.973
304.0	1630.5	.089	.106	1.191
308.0	1626.5	.061	.025	0.410
309.0	1625.5	.083	.066	0.795
TOTAL		0.570	0.789	
TOTAL CHEM/TOTAL GAMMA =			1.384	

HOLE # AM13C N COORDINATE 1205399.5
ELEVATION 1940.0 E COORDINATE 90200.1
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
129.0	1811.0	.050	.007	0.140
134.0	1806.0	.061	.024	0.393
TOTAL		0.111	0.031	
TOTAL CHEM/TOTAL GAMMA =			0.279	

HOLE # AM16C N COORDINATE 1205378.7
ELEVATION 1772.0 E COORDINATE 86013.0
K-FACTOR OF LOG: 0.23E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
250.0	1522.0	.155	.066	0.426
251.0	1521.0	.343	.451	1.315
252.0	1520.0	.135	.314	2.326
273.0	1499.0	.086	.073	0.849
274.0	1498.0	.096	.086	0.896
293.0	1479.0	.135	.047	0.348
294.0	1478.0	.239	.005	0.021
299.0	1473.0	.036	.067	1.861
300.0	1472.0	.087	.053	0.609
301.0	1471.0	.085	.064	0.753
302.0	1470.0	.063	.033	0.524
304.0	1468.0	.056	.050	0.893
305.0	1467.0	.097	.029	0.299
306.0	1466.0	.134	.179	1.336
312.0	1460.0	.052	.040	0.769
TOTAL		1.799	1.557	
TOTAL CHEM/TOTAL GAMMA =			0.865	

HOLE # AM17C N COORDINATE 1205482.2
ELEVATION 1718.0 E COORDINATE 83097.4
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
201.0	1517.0	.012	.086	7.167
205.0	1513.0	.052	.059	1.135
206.0	1512.0	.050	.059	1.180
TOTAL		0.114	0.204	
TOTAL CHEM/TOTAL GAMMA =			1.789	

HOLE # AM18C N COORDINATE 1205287.7
ELEVATION 1870.0 E COORDINATE 87905.7
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
281.0	1589.0	.024	.055	2.292
283.0	1587.0	.053	.095	1.792
284.0	1586.0	.118	.250	2.119
290.0	1580.0	.091	.062	0.681
291.0	1579.0	.148	.120	0.811
296.0	1574.0	.073	.059	0.808
298.0	1572.0	.038	.110	2.895
299.0	1571.0	.105	.058	0.552
300.0	1570.0	.100	.023	0.230
TOTAL		0.750	0.832	
TOTAL CHEM/TOTAL GAMMA =			1.109	

HOLE # AM22C N COORDINATE 1204433.3
ELEVATION 1946.0 E COORDINATE 87157.6
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
444.0	1502.0	.075	.116	1.547
460.0	1486.0	.056	.028	0.500
461.0	1485.0	.070	.075	1.071
TOTAL		0.201	0.219	
TOTAL CHEM/TOTAL GAMMA =			1.090	

HOLE # AM26C N COORDINATE 1204234.1
ELEVATION 2032.0 E COORDINATE 88652.9
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
633.0	1399.0	.088	.040	0.455
634.0	1398.0	.046	.053	1.152
636.0	1396.0	.061	.004	0.066
637.0	1395.0	.145	.118	0.814
638.0	1394.0	.169	.200	1.183
639.0	1393.0	.143	.248	1.734
642.0	1390.0	.019	.052	2.737
723.0	1309.0	.161	.345	2.143
724.0	1308.0	.101	.059	0.584
TOTAL		0.933	1.119	
TOTAL CHEM/TOTAL GAMMA =			1.199	

HOLE # AM28C N COORDINATE 1204753.6
ELEVATION 1853.5 E COORDINATE 89223.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
399.0	1454.5	.041	.126	3.073
	TOTAL	0.041	0.126	
	TOTAL CHEM/TOTAL GAMMA =		3.073	

HOLE # AM40C N COORDINATE 1206907.4
ELEVATION 1804.5 E COORDINATE 88347.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
68.0	1736.5	.059	.005	0.085
69.0	1735.5	.082	.059	0.720
TOTAL		0.141	0.064	
TOTAL CHEM/TOTAL GAMMA =			0.454	

HOLE # AM49C N COORDINATE 1204873.8
ELEVATION 2013.0 E COORDINATE 84333.7
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
617.0	1396.0	.063	.058	0.921
618.0	1395.0	.062	.061	0.984
619.0	1394.0	.082	.077	0.939
620.0	1393.0	.082	.040	0.488
621.0	1392.0	.070	.037	0.529
633.0	1380.0	.041	.114	2.780
634.0	1379.0	.064	.016	0.250
638.0	1375.0	.067	.078	1.164

TOTAL 0.531 0.481
TOTAL CHEM/TOTAL GAMMA = 0.906

HOLE # AM51C N COORDINATE 1205241.0
ELEVATION 1907.0 E COORDINATE 85524.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.15
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
407.0	1500.0	.061	.118	1.934
443.0	1464.0	.148	.227	1.534
444.0	1463.0	.167	.110	0.659
445.0	1462.0	.076	.020	0.263
448.0	1459.0	.114	.070	0.614
449.0	1458.0	.061	.077	1.262
466.0	1441.0	.072	.011	0.153
467.0	1440.0	.273	.259	0.949
468.0	1439.0	.374	.295	0.789
469.0	1438.0	.318	.810	2.547
470.0	1437.0	.050	.078	1.560
TOTAL		1.714	2.075	
TOTAL CHEM/TOTAL GAMMA =			1.211	

HOLE # AM63C N COORDINATE 1206492.5
ELEVATION 1910.5 E COORDINATE 82399.9
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
196.0	1714.5	.053	.005	0.094
197.0	1713.5	.208	.083	0.399
198.0	1712.5	.090	.202	2.244
225.0	1685.5	.071	.074	1.042
TOTAL		0.422	0.364	
TOTAL CHEM/TOTAL GAMMA =			0.863	

HOLE # AM67C N COORDINATE 1206097.7
ELEVATION 1801.5 E COORDINATE 82380.7
K-FACTOR OF LOG: 0.56E-05
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

HOLE # AM68C N COORDINATE 1205680.3
ELEVATION 1698.5 E COORDINATE 83138.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
107.0	1591.5	.049	.077	1.571
110.0	1588.5	.078	.006	0.077
111.0	1587.5	.098	.006	0.061
114.0	1584.5	.005	.071	14.200
117.0	1581.5	.066	.078	1.182
119.0	1579.5	.050	.003	0.060
120.0	1578.5	.073	.002	0.027
147.0	1551.5	.015	.059	3.933
151.0	1547.5	.008	.164	20.500
153.0	1545.5	.051	.004	0.078
154.0	1544.5	.062	.003	0.048
155.0	1543.5	.110	.334	3.036
156.0	1542.5	.196	.006	0.031
157.0	1541.5	.213	.003	0.014
161.0	1537.5	.143	.003	0.021
	TOTAL	1.217	0.819	
	TOTAL CHEM/TOTAL GAMMA =		0.673	

HOLE # AM71C N COORDINATE 1205693.8
ELEVATION 1693.5 E COORDINATE 82715.1
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
51.0	1642.5	.035	.050	1.429
80.0	1613.5	.067	.066	0.985
81.0	1612.5	.086	.101	1.174
82.0	1611.5	.069	.021	0.304
87.0	1606.5	.042	.073	1.738
TOTAL		0.299	0.311	
TOTAL CHEM/TOTAL GAMMA =			1.040	

HOLE # AM79C N COORDINATE 1204724.0
ELEVATION 1905.0 E COORDINATE 91527.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.60

HOLE # AM88C N COORDINATE 1205146.2
ELEVATION 1950.0 E COORDINATE 91124.0
K-FACTOR OF LOG: 0.25E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.50

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
82.0	1868.0	.049	.059	1.204
88.0	1862.0	.061	.004	0.066
TOTAL		0.110	0.063	
TOTAL CHEM/TOTAL GAMMA =			0.573	

HOLE # AM106C N COORDINATE 1206029.6
ELEVATION 1922.5 E COORDINATE 88777.1
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
241.0	1681.5	.076	.045	0.592
242.0	1680.5	.123	.162	1.317
246.0	1676.5	.057	.010	0.175
254.0	1668.5	.141	.098	0.695
255.0	1667.5	.166	.110	0.663
257.0	1665.5	.030	.061	2.033
TOTAL		0.593	0.486	
TOTAL CHEM/TOTAL GAMMA =			0.820	

HOLE # AM107C N COORDINATE 1205492.1
ELEVATION 1918.5 E COORDINATE 89059.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
254.0	1664.5	.047	.057	1.213
255.0	1663.5	.052	.031	0.596
274.0	1644.5	.098	.118	1.204
275.0	1643.5	.067	.042	0.627
287.0	1631.5	.055	.032	0.582
288.0	1630.5	.072	.070	0.972

TOTAL 0.391 0.350
TOTAL CHEM/TOTAL GAMMA = 0.895

HOLE # AM113C N COORDINATE 1205174.0
ELEVATION 1883.0 E COORDINATE 89144.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
303.0	1580.0	.071	.054	0.761
304.0	1579.0	.069	.030	0.435
320.0	1563.0	.030	.070	2.333
343.0	1540.0	.143	.156	1.091
346.0	1537.0	.062	.057	0.919
TOTAL		0.375	0.367	
TOTAL CHEM/TOTAL GAMMA =			0.979	

HOLE # AM119C N COORDINATE 1206422.0
ELEVATION 1824.0 E COORDINATE 88375.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.14
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
115.0	1709.0	.111	.044	0.396
116.0	1708.0	.084	.017	0.202
121.0	1703.0	.022	.090	4.091
122.0	1702.0	.064	.045	0.703
125.0	1699.0	.050	.071	1.420
132.0	1692.0	.030	.288	9.600
133.0	1691.0	.176	.194	1.102
TOTAL		0.537	0.749	
TOTAL CHEM/TOTAL GAMMA =			1.395	

HOLE # AM127C N COORDINATE 1207186.0
ELEVATION 1868.0 E COORDINATE 88778.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.15
CASING FACTOR: 1.00
DEAD TIME: 9.60

HOLE # AM129C N COORDINATE 1205199.1
ELEVATION 1870.0 E COORDINATE 88352.1
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
281.0	1589.0	.054	.026	0.481
282.0	1588.0	.124	.050	0.403
330.0	1540.0	.054	.041	0.759
331.0	1539.0	.109	.026	0.239
332.0	1538.0	.331	.308	0.931
333.0	1537.0	.054	.010	0.185
346.0	1524.0	.027	.101	3.741
352.0	1518.0	.026	.067	2.577
353.0	1517.0	.178	.530	2.978
354.0	1516.0	.117	.047	0.402
375.0	1495.0	.087	.075	0.862
376.0	1494.0	.103	.087	0.845
TOTAL		1.264	1.368	
TOTAL CHEM/TOTAL GAMMA =			1.082	

HOLE # AM135C N COORDINATE 1205629.0
ELEVATION 1994.0 E COORDINATE 86736.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.15
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
387.0	1607.0	.056	.135	2.411
388.0	1606.0	.085	.025	0.294
389.0	1605.0	.058	.033	0.569
461.0	1533.0	.064	.171	2.672
462.0	1532.0	.129	.184	1.426
463.0	1531.0	.239	.106	0.444
464.0	1530.0	.228	.090	0.395
465.0	1529.0	.115	.008	0.070
467.0	1527.0	.008	.053	6.625
468.0	1526.0	.014	.138	9.857
469.0	1525.0	.059	.084	1.424
470.0	1524.0	.117	.045	0.385
471.0	1523.0	.070	.058	0.829
472.0	1522.0	.049	.052	1.061
473.0	1521.0	.067	.361	5.388
474.0	1520.0	.223	.273	1.224
475.0	1519.0	.568	.149	0.262
476.0	1518.0	.324	.059	0.182
477.0	1517.0	.080	.011	0.138
TOTAL		2.553	2.035	
TOTAL CHEM/TOTAL GAMMA =			0.797	

HOLE # AM136C N COORDINATE 1205601.1
ELEVATION 1912.0 E COORDINATE 86369.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
300.0	1612.0	.066	.018	0.273
301.0	1611.0	.120	.066	0.550
302.0	1610.0	.063	.035	0.556
337.0	1575.0	.150	.012	0.080
338.0	1574.0	.147	.152	1.034
339.0	1573.0	.044	.064	1.455
343.0	1569.0	.056	.040	0.714
344.0	1568.0	.023	.054	2.348
353.0	1559.0	.102	.026	0.255
354.0	1558.0	.185	.302	1.632
355.0	1557.0	.088	.040	0.455
356.0	1556.0	.078	.046	0.590
357.0	1555.0	.119	.059	0.496
358.0	1554.0	.150	.172	1.147
359.0	1553.0	.054	.158	2.926
370.0	1542.0	.091	.042	0.462
371.0	1541.0	.306	.340	1.111
372.0	1540.0	.269	.144	0.535
373.0	1539.0	.102	.048	0.471
374.0	1538.0	.212	.188	0.887
375.0	1537.0	.392	.308	0.786
376.0	1536.0	.177	.172	0.972
TOTAL		2.994	2.486	
TOTAL CHEM/TOTAL GAMMA =			0.830	

HOLE # AM149C N COORDINATE 1204822.0
ELEVATION 2000.0 E COORDINATE 87149.0
K-FACTOR OF LOG: 0.22E-04
WATER FACTOR: 1.11
CASING FACTOR: 1.00
DEAD TIME: 9.60

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
384.0	1616.0	.080	.061	0.763
385.0	1615.0	.082	.072	0.878
394.0	1606.0	.056	.024	0.429
395.0	1605.0	.049	.050	1.020
408.0	1592.0	.057	.005	0.088
411.0	1589.0	.100	.189	1.890
412.0	1588.0	.147	.032	0.218
TOTAL		0.571	0.433	
TOTAL CHEM/TOTAL GAMMA =			0.758	

HOLE # AM152C1 N COORDINATE 1206455.5
ELEVATION 1870.5 E COORDINATE 86731.4
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
128.0	1742.5	.052	.010	0.192
129.0	1741.5	.104	.044	0.423
130.0	1740.5	.081	.008	0.099

TOTAL	0.237	0.062
TOTAL CHEM/TOTAL GAMMA =		0.262

HOLE # AM156C N COORDINATE 0.0
ELEVATION 0.0 E COORDINATE 0.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
439.0	-439.0	.058	.007	0.121
440.0	-440.0	.105	.075	0.714
441.0	-441.0	.088	.031	0.352
442.0	-442.0	.056	.038	0.679
499.0	-499.0	.055	.178	3.236
504.0	-504.0	.104	.064	0.615
505.0	-505.0	.148	.017	0.115
548.0	-548.0	.053	.052	0.981
549.0	-549.0	.082	.065	0.793
550.0	-550.0	.117	.198	1.692
551.0	-551.0	.089	.010	0.112
590.0	-590.0	.033	.106	3.212
591.0	-591.0	.054	.004	0.074
625.0	-625.0	.001	.092	92.000
	TOTAL	1.043	0.937	
	TOTAL CHEM/TOTAL GAMMA =		0.898	

HOLE # AM171C N COORDINATE 1203950.8
ELEVATION 2034.5 E COORDINATE 89129.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
538.0	1496.5	.002	.055	27.500
540.0	1494.5	.030	.050	1.667
543.0	1491.5	.035	.058	1.657
576.0	1458.5	.056	.078	1.393
TOTAL		0.123	0.241	
TOTAL CHEM/TOTAL GAMMA =			1.959	

HOLE # AM184C N COORDINATE 1204407.0
ELEVATION 1982.0 E COORDINATE 87543.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.16
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
467.0	1515.0	.056	.060	1.071
468.0	1514.0	.051	.066	1.294
469.0	1513.0	.038	.055	1.447
472.0	1510.0	.059	.024	0.407
473.0	1509.0	.070	.012	0.171
474.0	1508.0	.034	.097	2.853
485.0	1497.0	.155	.020	0.129
486.0	1496.0	.115	.273	2.374
500.0	1482.0	.039	.063	1.615
525.0	1457.0	.027	.070	2.593
659.0	1323.0	.062	.001	0.016
660.0	1322.0	.068	.139	2.044
672.0	1310.0	.044	.100	2.273
TOTAL		0.818	0.980	
TOTAL CHEM/TOTAL GAMMA =			1.198	

HOLE # AM222C N COORDINATE 1204359.0
ELEVATION 1942.0 E COORDINATE 92986.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
111.0	1831.0	.068	.142	2.088
112.0	1830.0	.057	.016	0.281
118.0	1824.0	.052	.006	0.115
TOTAL		0.177	0.164	
TOTAL CHEM/TOTAL GAMMA =			0.927	

HOLE # AM229C N COORDINATE 1204548.0
ELEVATION 1943.0 E COORDINATE 90729.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
124.0	1819.0	.014	.094	6.714
142.0	1801.0	.049	.090	1.837
TOTAL		0.063	0.184	
TOTAL CHEM/TOTAL GAMMA =			2.921	

HOLE # AM244C N COORDINATE 1205744.0
ELEVATION 1935.0 E COORDINATE 90744.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

HOLE # AM254C N COORDINATE 1207154.5
ELEVATION 0.0 E COORDINATE 90156.6
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
123.0	-123.0	.076	.002	0.026
124.0	-124.0	.053	.014	0.264
125.0	-125.0	.079	.015	0.190
126.0	-126.0	.065	.005	0.077
TOTAL		0.273	0.036	
TOTAL CHEM/TOTAL GAMMA =			0.132	

HOLE # AM258C N COORDINATE 1205749.5
ELEVATION 1912.5 E COORDINATE 90128.8
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
85.0	1827.5	.090	.162	1.800
86.0	1826.5	.066	.055	0.833
87.0	1825.5	.130	.138	1.062
88.0	1824.5	.068	.068	1.000
90.0	1822.5	.075	.060	0.800
91.0	1821.5	.080	.017	0.213
TOTAL		0.509	0.500	
TOTAL CHEM/TOTAL GAMMA =			0.982	

HOLE # AM273C N COORDINATE 1205738.3
ELEVATION 0.0 E COORDINATE 89548.1
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
37.0	-37.0	.096	.241	2.510
38.0	-38.0	.087	.009	0.103
138.0	-138.0	.037	.071	1.919

TOTAL	0.220	0.321
TOTAL CHEM/TOTAL GAMMA =		1.459

HOLE # AM274C N COORDINATE 1206709.1
ELEVATION 0.0 E COORDINATE 89340.5
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
55.0	-55.0	.059	.008	0.014
56.0	-56.0	.084	.011	0.131
TOTAL		0.212	0.060	
TOTAL CHEM/TOTAL GAMMA =			0.283	

HOLE # AM275C N COORDINATE 1206740.0
ELEVATION 0.0 E COORDINATE 87791.8
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
46.0	-46.0	.051	.004	0.078
47.0	-47.0	.285	.425	1.491
48.0	-48.0	.283	.419	1.481
51.0	-51.0	.025	.062	2.480
TOTAL		0.644	0.910	
TOTAL CHEM/TOTAL GAMMA =			1.413	

HOLE # AM281C N COORDINATE 1205360.7
ELEVATION 1899.5 E COORDINATE 89749.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
161.0	1738.5	.023	.050	2.174
169.0	1730.5	.048	.068	1.417
196.0	1703.5	.089	.064	0.719
197.0	1702.5	.145	.024	0.166
198.0	1701.5	.064	.013	0.203
199.0	1700.5	.122	.012	0.098

TOTAL	0.491	0.231
TOTAL CHEM/TOTAL GAMMA =		0.470

HOLE # AM286C N COORDINATE 1206160.3
ELEVATION 1858.0 E COORDINATE 89549.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
63.0	1795.0	.062	.004	0.065
64.0	1794.0	.066	.096	1.455
65.0	1793.0	.060	.039	0.650
97.0	1761.0	.052	.059	1.135
103.0	1755.0	.043	.086	2.000

TOTAL 0.283 0.284
TOTAL CHEM/TOTAL GAMMA = 1.004

HOLE # AM289C N COORDINATE 1205568.5
ELEVATION 1830.0 E COORDINATE 88533.9
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
83.0	1747.0	.099	.079	0.798
84.0	1746.0	.088	.006	0.068
140.0	1690.0	.057	.039	0.684
141.0	1689.0	.054	.020	0.370
142.0	1688.0	.050	.043	0.860
167.0	1663.0	.083	.108	1.301
168.0	1662.0	.072	.024	0.333
270.0	1560.0	.048	.106	2.208
TOTAL		0.551	0.425	
TOTAL CHEM/TOTAL GAMMA =			0.771	

HOLE # AM308C N COORDINATE 1206613.0
ELEVATION 1768.0 E COORDINATE 87355.3
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

HOLE # AM322C N COORDINATE 1206183.3
ELEVATION 1808.0 E COORDINATE 87929.1
K-FACTOR OF LOG: 0.54E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.65

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
116.0	1692.0	.052	.057	1.096
128.0	1680.0	.090	.064	0.711
129.0	1679.0	.063	.095	1.508
132.0	1676.0	.063	.001	0.016
133.0	1675.0	.049	.130	2.653
TOTAL		0.317	0.347	
TOTAL CHEM/TOTAL GAMMA =			1.095	

HOLE # AM323C N COORDINATE 1206220.8
ELEVATION 1786.0 E COORDINATE 87540.5
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
144.0	1642.0	.216	.474	2.194
145.0	1641.0	.360	.260	0.722
146.0	1640.0	.055	.028	0.509
149.0	1637.0	.081	.021	0.259
150.0	1636.0	.226	.189	0.836
151.0	1635.0	.062	.027	0.435
TOTAL		1.000	0.999	
TOTAL CHEM/TOTAL GAMMA =			0.999	

HOLE # AM325C N COORDINATE 1205993.7
ELEVATION 1822.5 E COORDINATE 88136.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
114.0	1708.5	.121	.052	0.430
115.0	1707.5	.129	.106	0.822
136.0	1686.5	.069	2.140	31.014
137.0	1685.5	.858	.028	0.033
138.0	1684.5	1.468	.538	0.366
139.0	1683.5	.199	.770	3.869
TOTAL		2.844	3.634	
TOTAL CHEM/TOTAL GAMMA =			1.278	

HOLE # AM336C N COORDINATE 1205565.7
ELEVATION 1837.0 E COORDINATE 88152.4
K-FACTOR OF LOG: 0.25E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 7.50

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
215.0	1622.0	.119	.039	0.328
216.0	1621.0	.327	.125	0.382
217.0	1620.0	.110	.014	0.127
250.0	1587.0	.039	.074	1.897

TOTAL	0.595	0.252
TOTAL CHEM/TOTAL GAMMA =		0.424

HOLE # AM337C N COORDINATE 1205564.0
ELEVATION 2013.0 E COORDINATE 87335.6
K-FACTOR OF LOG: 0.16E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
429.0	1584.0	.095	.057	0.600
	TOTAL	0.095	0.057	
	TOTAL CHEM/TOTAL GAMMA =		0.600	

HOLE # AM338C N COORDINATE 1205456.3
ELEVATION 1921.0 E COORDINATE 87545.2
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
340.0	1581.0	.061	.033	0.541
344.0	1577.0	.056	.027	0.482
345.0	1576.0	.095	.100	1.053
346.0	1575.0	.151	.116	0.768
347.0	1574.0	.172	.146	0.849
348.0	1573.0	.106	.007	0.066
350.0	1571.0	.135	.146	1.081
351.0	1570.0	.113	.012	0.106
352.0	1569.0	.056	.146	2.607
353.0	1568.0	.089	.041	0.461
TOTAL		1.034	0.774	
TOTAL CHEM/TOTAL GAMMA =			0.749	

HOLE # AM345C N COORDINATE 1204978.3
ELEVATION 1950.5 E COORDINATE 87530.2
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.42
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
371.0	1579.5	.114	.468	4.105
372.0	1578.5	.258	.005	0.019
373.0	1577.5	.074	.009	0.122
417.0	1533.5	.144	.248	1.722
418.0	1532.5	.077	.140	1.818
446.0	1504.5	.134	.488	3.642
451.0	1499.5	.029	.067	2.310
453.0	1497.5	.045	.162	3.600
467.0	1483.5	.049	.118	2.408
TOTAL		0.924	1.705	
TOTAL CHEM/TOTAL GAMMA =			1.845	

HOLE # AM351C N COORDINATE 1204496.8
ELEVATION 1875.0 E COORDINATE 89636.0
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.42
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
389.0	1486.0	.045	.088	1.956
395.0	1480.0	.052	.033	0.635
396.0	1479.0	.042	.052	1.238
TOTAL		0.139	0.173	
TOTAL CHEM/TOTAL GAMMA =			1.245	

HOLE # AM371C N COORDINATE 1205812.6
ELEVATION 2009.5 E COORDINATE 86934.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
406.0	1603.5	.015	.118	7.867
410.0	1599.5	.036	.077	2.139
411.0	1598.5	.054	.053	0.981
412.0	1597.5	.139	.059	0.424
413.0	1596.5	.110	.002	0.018
427.0	1582.5	.132	.083	0.629
428.0	1581.5	.300	.412	1.373
429.0	1580.5	.186	.097	0.522
430.0	1579.5	.078	.024	0.308
431.0	1578.5	.073	.292	4.000
432.0	1577.5	.103	.021	0.204
433.0	1576.5	.052	.008	0.154
434.0	1575.5	.038	.052	1.368
435.0	1574.5	.063	.095	1.508
436.0	1573.5	.093	.051	0.548
437.0	1572.5	.061	.017	0.279
438.0	1571.5	.101	.190	1.881
439.0	1570.5	.330	.274	0.830
440.0	1569.5	.344	.198	0.576
441.0	1568.5	.184	.020	0.109
442.0	1567.5	.096	.394	4.104
443.0	1566.5	.143	.154	1.077
444.0	1565.5	.223	.094	0.422
445.0	1564.5	.139	.228	1.640
446.0	1563.5	.155	.075	0.484
447.0	1562.5	.175	.013	0.074
448.0	1561.5	.101	.001	0.010

TOTAL 3.524 3.102
TOTAL CHEM/TOTAL GAMMA = 0.880

HOLE # AM373C N COORDINATE 1206212.5
ELEVATION 2029.0 E COORDINATE 86521.4
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
368.0	1661.0	.059	.038	0.644
370.0	1659.0	.062	.095	1.532
372.0	1657.0	.080	.142	1.775
378.0	1651.0	.062	.014	0.226
TOTAL		0.263	0.289	
TOTAL CHEM/TOTAL GAMMA =			1.099	

HOLE # AM384C N COORDINATE 1205218.7
ELEVATION 1939.0 E COORDINATE 86527.7
K-FACTOR OF LOG: 0.29E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
367.0	1572.0	.087	.468	5.379
400.0	1539.0	.135	.524	3.881
401.0	1538.0	.123	.035	0.285
420.0	1519.0	.093	.002	0.022
421.0	1518.0	.200	.002	0.010
422.0	1517.0	.091	.014	0.154
444.0	1495.0	.034	.083	2.441
TOTAL		0.763	1.128	
TOTAL CHEM/TOTAL GAMMA =			1.478	

HOLE # AM388C N COORDINATE 1205212.1
ELEVATION 1908.5 E COORDINATE 86938.7
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
344.0	1564.5	.054	.005	0.093
388.0	1520.5	.056	.009	0.161
389.0	1519.5	.108	.144	1.333
390.0	1518.5	.079	.055	0.696
393.0	1515.5	.050	.034	0.680
394.0	1514.5	.058	.042	0.724
395.0	1513.5	.048	.106	2.208
406.0	1502.5	.050	.026	0.520
407.0	1501.5	.207	.810	3.913
408.0	1500.5	.298	.146	0.490
409.0	1499.5	.158	.162	1.025
433.0	1475.5	.062	.102	1.645
434.0	1474.5	.051	.031	0.608
TOTAL		1.279	1.672	
TOTAL CHEM/TOTAL GAMMA =			1.307	

HOLE # AM388V N COORDINATE 1208000.0
ELEVATION 1906.0 E COORDINATE 94000.0
K-FACTOR OF LOG: 0.24E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 8.74

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
349.0	1557.0	.070	.012	0.171
350.0	1556.0	.126	.062	0.492
351.0	1555.0	.048	.062	1.292
397.0	1509.0	.061	.035	0.574
398.0	1508.0	.217	.307	1.415
399.0	1507.0	.209	.307	1.469
400.0	1506.0	.013	.051	3.923
401.0	1505.0	.003	.051	17.000
414.0	1492.0	.011	.083	7.545
415.0	1491.0	.117	.083	0.709
416.0	1490.0	.220	.260	1.182
417.0	1489.0	.264	.260	0.985
418.0	1488.0	.176	.224	1.273
419.0	1487.0	.240	.224	0.933
420.0	1486.0	.081	.088	1.086
421.0	1485.0	.026	.088	3.385
TOTAL		1.882	2.197	
TOTAL CHEM/TOTAL GAMMA =			1.167	

HOLE # AM390C N COORDINATE 1206214.0
ELEVATION 1916.0 E COORDINATE 86787.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
283.0	1633.0	.086	.113	1.314
284.0	1632.0	.058	.003	0.052
285.0	1631.0	.068	.001	0.015
TOTAL		0.212	0.117	
TOTAL CHEM/TOTAL GAMMA =			0.552	

HOLE # AM396C N COORDINATE 1205886.3
ELEVATION 1772.0 E COORDINATE 85977.3
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.42
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
75.0	1697.0	.164	1.120	6.829
76.0	1696.0	.270	.170	0.630
77.0	1695.0	.063	.003	0.048
129.0	1643.0	.060	.017	0.283
143.0	1629.0	.028	.068	2.429
144.0	1628.0	.096	.057	0.594
145.0	1627.0	.060	.001	0.017
TOTAL		0.741	1.436	
TOTAL CHEM/TOTAL GAMMA =			1.938	

HOLE # AM412C N COORDINATE 1206104.0
ELEVATION 1802.0 E COORDINATE 86179.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
130.0	1672.0	.186	.010	0.054
131.0	1671.0	.353	.702	1.989
132.0	1670.0	.176	.330	1.875
133.0	1669.0	.106	.251	2.368
134.0	1668.0	.071	.080	1.127
135.0	1667.0	.069	.068	0.986
136.0	1666.0	.115	.048	0.417
TOTAL		1.076	1.489	
TOTAL CHEM/TOTAL GAMMA =			1.384	

HOLE # AM419C N COORDINATE 1204833.4
ELEVATION 2003.0 E COORDINATE 88103.9
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 9.20

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
458.0	1545.0	.052	.009	0.173
495.0	1508.0	.060	.092	1.533
496.0	1507.0	.057	.031	0.544
497.0	1506.0	.040	.057	1.425
499.0	1504.0	.041	.057	1.390
518.0	1485.0	.078	.048	0.615
519.0	1484.0	.105	.104	0.990
520.0	1483.0	.059	.071	1.203
521.0	1482.0	.063	.026	0.413
522.0	1481.0	.050	.050	1.000
548.0	1455.0	.070	.012	0.171
549.0	1454.0	.193	.166	0.860
550.0	1453.0	.066	.162	2.455
TOTAL		0.934	0.885	
TOTAL CHEM/TOTAL GAMMA =			0.948	

HOLE # AM422C N COORDINATE 1204637.6
ELEVATION 1915.0 E COORDINATE 85733.7
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.08
CASING FACTOR: 1.27
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
457.0	1458.0	.052	.092	1.769
458.0	1457.0	.058	.101	1.741
TOTAL		0.110	0.193	
TOTAL CHEM/TOTAL GAMMA =			1.755	

HOLE # AM427C N COORDINATE 1203961.3
ELEVATION 2078.0 E COORDINATE 89699.2
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.09
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
550.0	1528.0	.049	.142	2.898
551.0	1527.0	.072	.023	0.319
552.0	1526.0	.053	.019	0.358
553.0	1525.0	.095	.097	1.021
554.0	1524.0	.132	.179	1.356
570.0	1508.0	.047	.156	3.319
571.0	1507.0	.055	.022	0.400
572.0	1506.0	.134	.098	0.731
573.0	1505.0	.119	.038	0.319
574.0	1504.0	.084	.081	0.964
TOTAL		0.840	0.855	
TOTAL CHEM/TOTAL GAMMA =			1.018	

HOLE # AM431C N COORDINATE 1204772.4
ELEVATION 2055.0 E COORDINATE 88138.5
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
560.0	1495.0	.064	.003	0.047
561.0	1494.0	.119	.192	1.613
562.0	1493.0	.045	.058	1.289
587.0	1468.0	.033	.052	1.576

TOTAL	0.261	0.305
TOTAL CHEM/TOTAL GAMMA =		1.169

HOLE # AM434C N COORDINATE 1204674.0
ELEVATION 2002.0 E COORDINATE 83565.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.12
CASING FACTOR: 1.00
DEAD TIME: 7.14

HOLE # AM435C N COORDINATE 1206039.0
ELEVATION 1797.0 E COORDINATE 82897.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
101.0	1696.0	.053	.040	0.755
102.0	1695.0	.148	.165	1.115
103.0	1694.0	.055	.029	0.527
TOTAL		0.256	0.234	
TOTAL CHEM/TOTAL GAMMA =			0.914	

HOLE # AM436C N COORDINATE 1206476.0
ELEVATION 1938.0 E COORDINATE 82589.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.00
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
221.0	1717.0	.093	.114	1.226
222.0	1716.0	.246	.082	0.333
	TOTAL	0.339	0.196	
	TOTAL CHEM/TOTAL GAMMA =		0.578	

HOLE # AM443C N COORDINATE 1205018.1
ELEVATION 1809.5 E COORDINATE 85960.6
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
280.0	1529.5	.052	.024	0.462
281.0	1528.5	.055	.004	0.073
323.0	1486.5	.118	.029	0.246
324.0	1485.5	.191	.388	2.031
343.0	1466.5	.131	.021	0.160
344.0	1465.5	.136	.066	0.485
345.0	1464.5	.045	.202	4.489
360.0	1449.5	.149	.020	0.134
362.0	1447.5	.010	.068	6.800
363.0	1446.5	.009	.142	15.778
373.0	1436.5	.059	.047	0.797
376.0	1433.5	.056	.008	0.143
TOTAL		1.011	1.019	
TOTAL CHEM/TOTAL GAMMA =			1.008	

HOLE # AM444C N COORDINATE 1204777.0
ELEVATION 1875.0 E COORDINATE 86534.0
K-FACTOR OF LOG: 0.57E-04
WATER FACTOR: 1.22
CASING FACTOR: 1.00
DEAD TIME: 7.14

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
344.0	1531.0	.091	.446	4.901
345.0	1530.0	.192	.225	1.172
346.0	1529.0	.073	.010	0.137
393.0	1482.0	.016	.052	3.250
412.0	1463.0	.020	.052	2.600
565.0	1310.0	.024	.142	5.917
566.0	1309.0	.074	.016	0.216
567.0	1308.0	.075	.049	0.653
	TOTAL	0.565	0.992	
	TOTAL CHEM/TOTAL GAMMA =		1.756	

HOLE # AM486C N COORDINATE 1204200.0
ELEVATION 2003.0 E COORDINATE 88103.9
K-FACTOR OF LOG: 0.60E-04
WATER FACTOR: 1.10
CASING FACTOR: 1.00
DEAD TIME: 9.24

DEPTH	ELEVATION	GAMMA	CHEM	CHEM/GAMMA
445.0	1558.0	.010	.122	12.200
446.0	1557.0	.027	.071	2.630
495.0	1508.0	.043	.083	1.930
496.0	1507.0	.059	.010	0.169
502.0	1501.0	.031	.050	1.613
513.0	1490.0	.069	.059	0.855
514.0	1489.0	.187	.135	0.722
515.0	1488.0	.051	.130	2.549

TOTAL 0.477 0.660
TOTAL CHEM/TOTAL GAMMA = 1.384

Appendix 3

APPENDIX 3

GRADE BREAKDOWNS

The following data is broken down by grade on the closed can. Equilibrium factors tabulated are actual equilibrium factors. No value less than .015 has been used. These values are lined out.

ANDERSON MINE

NO. 1C cont EQUILIBRIUM STUDY

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
EV	GAMMA	CHEM	EQUIL.	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.028	.040	1.43									
				.041	.028	.68						
				.049	.051	1.04						
	.020	.015	.75									
	.021	.013	.62									
	.025	.008	.32									
	.021	.037	1.76									
				.033	.023	.70						
	.026	.028	1.08									
				.044	.048	1.09						
				.036	.029	.81						
										.113	.106	.94
										.110	.048	.44
	.021	.016	.76									
	.021	.017	.81									
							.067	.008	.12			
										.100	.152	1.52
										.117	.129	1.10
							.078	.060	.77			
	.020	.002	.10									

ANDERSON MINE

EQUILIBRIUM STUDY

NO. 1C

EV	LEACH .015–.030 GAMMA	LEACH .015–.030 CHEM	LEACH .015–.030 EQUIL	ORE .030–.050 GAMMA	ORE .030–.050 CHEM	ORE .030–.050 EQUIL	ORE .050–.090 GAMMA	ORE .050–.090 CHEM	ORE .050–.090 EQUIL	HIGH GRADE .090–+ GAMMA	HIGH GRADE .090–+ CHEM	HIGH GRADE .090–+ EQUIL
							.071	.056	.79			
	~~.010~~	~~.003~~	~~.30~~									
	.023	.008	.35									
	.015	.021	.71									
				.037	.029	.78						
	.013	.017	1.31									
	.029	.019	.79									
										.109	.102	.94
	.018	.021	1.17									
				.043	.051	1.19						
	.021	.012	.57									
	.025	.020	.80									
	~~.002~~	~~.004~~	~~2.00~~									
							.084	.084	1.00			
										.118	.031	.26
							.077	.054	.70			
	.022	.043	1.95									
	~~.011~~	~~.005~~	~~.45~~									
							.056	.015	.27			
	~~.011~~	~~.004~~	~~.36~~									
	~~.014~~	~~.003~~	~~.50~~									
							.054	.013	.24			
							.075	.021	.28			
										.170	.214	1.26
										.121	.121	1.00
				.038	.012	.32						
	~~.015~~	~~.009~~	~~.60~~									
				.030	.016	.53						
										.096	.098	1.02

ANDERSON MINE

EQUILIBRIUM STUDY

NO. 7C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.018	.009	.50									
										.198	.179	.90
										.321	.316	.98
				.049	.045	.92						
	~~.010~~	~~.003~~	~~.30~~									
	.023	.017	.74									
	.006	.011	1.84									
	.024	.001	.04									
	.020	.009	.45	.034	.014	.42						
				.034	.016	.47						
	.029	.011	.38									
	.026	.007	.27									
	.017	.001	.06									
	~~.015~~	~~.001~~	~~.07~~									
	.019	.005	.26									
	.017	.010	.59									
	.019	.005	.26									
	9	.39	3.51	2	.67	1.34		USING HACLNS		REPEATS		

ANDERSON MINE

NO. 13C

EQUILIBRIUM STUDY

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090– +		
EV	GAMMA	CHEM	EQUIL.	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.021	.013	.62									
	~~.008~~	~~.006~~	~~.75~~									
	~~.006~~	~~.005~~	~~.83~~									
	~~.007~~	~~.004~~	~~.57~~									
	.024	.003	.13									
	~~.008~~	~~.004~~	~~.50~~									
	~~.014~~	~~.007~~	~~.50~~									
	.018	.012	.67									
	~~.023~~	~~.008~~	.35									
	.019	.012	.63									
	.019	.008	.43									
				.053	.047	.89						
	.025	.018	.72									
	.027	.022	.81									
	~~.007~~	~~.001~~	~~.14~~									
	~~.012~~	~~.007~~	~~.58~~									
				.038	.030	.79						
				.033	.022	.67						
	~~.010~~	~~.005~~	~~.50~~									
				.030	.017	.57						
				.031	.024	.77						
	.016	.011	.69									
	.028	.024	.86									
				.031	.023	.74						
	~~.006~~	~~.005~~	~~.83~~									
	.015	.013	.87									
	[illegible]	[illegible]	[illegible]									
	10	.64	6.43	USING	MAZ	N	REPL	AT	#			

ANDERSON MINE

EQUILIBRIUM STUDY

NO. 16 C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	~~.015~~	~~.007~~	~~.47~~									
	~~.015~~	~~.009~~	~~.60~~									
	~~.014~~	~~.004~~	~~.29~~									
				.045	.060	1.33						
							.066	.074	1.12			
							.081	.079	.98			
							.075	.027	.36			
							.090	.060	.67			
										.095	.067	.71
							.077	.045	.58			
	.028	.021	.75									
				.035	.027	.77						
				.050	.045	.90						
				.050	.059	1.18						
							.051	.042	.82			
				.037	.034	.92						
	.025	.025	1.00									
										.218	.233	1.07
										.141	.125	.89
	.025	.022	.88									
	~~.013~~	~~.012~~	~~.92~~									
	~~.014~~	~~.013~~	~~.93~~									
	.022	.018	.82									
	.029	.019	.66									
				.040	.019	.48						
							.054	.071	1.31			
				.035	.027	.77						
				.038	.038	1.00						
				.044	.043	.98						
							.051	.044	.86			

ANDERSON MINE

EQUILIBRIUM STUDY

NO. 16 C

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
				.050	.035	.70						
							.065	.052	.80			
	~~.011~~	~~.013~~	~~1.18~~									
	~~.031~~	~~.015~~	~~.71~~									
	.014	.016	1.14									
				.036	.050	1.39						
				.045	.039	.87						
				.037	.039	1.05						
				.031	.038	1.23						
	~~.011~~	~~.012~~	~~1.09~~									
	~~.014~~	~~.003~~	~~.21~~									
							.078	.007	.09			
							.058	.014	.24			
							.051	.055	1.08			
										.103	.078	.76
										.444	.425	.96
										.285	.476	1.67
										.416	.447	1.07
										.122	.181	.67
	.028	.015	.54									
	~~.008~~	~~.003~~	~~.38~~									
	~~.012~~	~~.001~~	~~.08~~									
	~~.014~~	~~.004~~	~~.29~~									
										.150	.141	.94
										.102	.125	1.23
							.061	.046	.75			
	.022	.009	.41									
	.021	.005	.24									
	.022	.017	.32									

ANDERSON MINE

NO. 16 C

EQUILIBRIUM STUDY

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090– +		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
				.048	.062	1.29						
							.053	.033	.62			
	.020	.005	.25									

ANDERSON MINE

EQUILIBRIUM STUDY

NO. 17C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.017	.009	.53									
	~~.014~~	~~.004~~	~~.29~~									
	~~.010~~	~~.006~~	~~.60~~									
	.017	.010	.59									
				.037	.040	1.08						
	~~.007~~	~~.012~~	~~1.71~~									
	.026	.030	1.15									
				.037	.028	.76						
	.025	.017	1.15									
	.020	.010	.50									
	~~.013~~	~~.009~~	~~.69~~									
	~~.012~~	~~.009~~	~~.75~~									
	~~.010~~	~~.003~~	~~.30~~									
	.021	.010	.48									
	.024	.011	.46									
	.022	.023	1.05									
	.028	.024	.86									
				.039	.039	1.00						
	~~.013~~	~~.004~~	~~.31~~									
	~~.013~~	~~.009~~	~~.69~~									
				.036	.022	.61						
	.023	.024	1.04									
	.020	.017	.85									
										.090	.076	.84
	.021	.012	.57									
	~~.008~~	~~.003~~	~~.38~~									
							.064	.059	.92			
							.068	.059	.87			
	~~.011~~	~~.001~~	~~.09~~									

ANDERSON MINE

NO. 18C

EQUILIBRIUM STUDY

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
							.063	.055	.87			
										.115	.095	.83
										.161	.250	1.55
				.035	.042	1.20						
				.032	.042	1.31						
	.025	.019	.76									
				.030	.019	.63						
							.077	.062	.81			
										.148	.120	.81
				.040	.038	.95						
							.058	.059	1.02			
				.030	.031	1.03				.098	.110	1.12
										.147	.103	.70
							.059	.058	.98			
	.022	.023	1.05									
	.022	.014	.64									
	.017	.029	1.71							4	1.08	4.32

ANDERSON MINE

EQUILIBRIUM STUDY

E NO. 26 C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	~~.003~~	~~.002~~	~~.67~~									
	.021	.011	.52									
	~~.010~~	~~.006~~	~~.60~~									
	~~.014~~	~~.004~~	~~.29~~									
	~~.015~~	~~.008~~	~~.53~~									
	~~.005~~	~~.004~~	~~.80~~									
	~~.010~~	~~.008~~	~~.80~~									
	~~.009~~	~~.007~~	~~.78~~									
	~~.012~~	~~.006~~	~~.50~~									
	~~.002~~	~~.003~~	~~1.50~~									
	~~.003~~	~~.003~~	~~1.00~~									
	~~.016~~	~~.007~~	~~.44~~									
	~~.008~~	~~.008~~	~~1.00~~									
	~~.011~~	~~.007~~	~~.64~~									
	~~.009~~	~~.004~~	~~.44~~									
	~~.002~~	~~.003~~	~~1.50~~									
	~~.003~~	~~.001~~	~~.33~~									
	~~.007~~	~~.003~~	~~.43~~									
	.018	.004	.22									
	.029	.024	.83									
	.027	.032	1.19									
	.025	.024	.96									
	.016	.020	1.25									
							.061	.047	.77			
	~~.014~~	~~.011~~	~~.79~~									
	.019	.019	1.00									
	.018	.012	.67									
	~~.010~~	~~.009~~	~~.90~~									

ANDERSON MINE

EQUILIBRIUM STUDY

NO. 26C

EV	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.019	.007	.37									
				.048	.043	.90						
				.033	.020	.61						
	.026	.014	.54									
				.040	.034	.85						
							.070	.034	.49			
										.108	.106	.98
										.170	.121	.71
							.041	.013		.175	.248	1.42
							.057	.017	.30			
	.018	.012	.67									
				.048	.052	1.08						
										.292	.345	1.18
							.081	.067	.83			
				.038	.022	.58						
				.037	.034	.92						
	.029	.045	1.55									
	.022	.030	1.36									

ANDERSON MINE

E NO. 49C

EQUILIBRIUM STUDY

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
LEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
				.034	.034	1.00						
	.027	.008	.30									
							.054	.033	.61			
							.051	.058	1.14			
							.058	.061	1.05			
										.091	.077	.85
							.051	.040	.78			
				.030	.037	1.23						
				.036	.032	.89						
	.026	.022	.85									
	.020	.020	1.00									
	.024	.024	1.00									
	.025	.019	.76									
	.027	.019	.70									
							.089	.114	1.28			
							.054	.016	.30			
	.027	.020	.74									
	.019	.013	.68									
	.024	.011	.46									
				.046	.078	1.70						
	.024	.012	.50									
	~~.008~~	~~.004~~	~~.50~~									
	~~.013~~	~~.007~~	~~.54~~									
	.019	.020	1.05									
	.017	.010	.59									

ANDERSON MINE

EQUILIBRIUM STUDY

E NO. 51C

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090— +		
LEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.017	.001	.06									
	.016	.004	.25									
				.036	.040	1.11						
	.020	.013	.65									
	.024	.021	.88									
	.023	.008	.17	.024	.012	.50						
				.036	.008	.22						
				.034	.009	.26						
	.025	.005	.20									
	.025	.012	.48									
	.027	.023	.85									
				.031	.011	.35						
				.030	.011	.37						
							.062	.152	2.45			
				.036	.001	.03						
	.017	.005	.29									
				.032	.010	.31						
	.026	.007	.27									
	~~.007~~	~~.001~~	~~.14~~									
	~~.044~~	~~.001~~	~~.09~~									
				.044	.044	1.00						
										.190	.227	1.19
										.116	.063	.54
	.028	.020	.71									
	.023	.011	.48									
				.044	.024	.55						
										.096	.075	.78
	.019	.111	5.84									
	~~.005~~	~~.001~~	~~.20~~									
	~~.013~~	~~.008~~	~~.62~~									

ANDERSON MINE

EQUILIBRIUM STUDY

E NO. 5/C

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
LEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.017	.007	.41									
	.018	.011	.61									
										.280	.259	.93
										.222	.263	1.18
										.567	.845	1.49
							.088	.063	.72			
	.023	.010	.43									
	.023	.008	.35									
	~~.004~~	~~.002~~	~~.50~~									

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 79C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
	.011	.024	2.18									
	~~.008~~	~~.005~~	~~.63~~									
	~~.013~~	~~.009~~	~~.69~~									
	.026	.022	.85									
				.037	.035	.95						
	.024	.021	.88									
	~~.010~~	~~.011~~	~~1.10~~									
	.021	.020	.95									
	.018	.011	.61									
				.030	.021	.70						
	~~.007~~	~~.001~~	~~.14~~									
	.021	.001	.05									
	.021	.001	.05									
	~~.006~~	~~.001~~	~~.17~~									
	~~.002~~	~~.001~~	~~.50~~									
	~~.013~~	~~.001~~	~~.03~~									
	~~.009~~	~~.004~~	~~.44~~									

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 113C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
	~~.012~~	~~.013~~	~~1.08~~									
	.022	.028	1.27									
	.024	.020	.83									
	.016	.016	1.00									
	.025	.016	1.56									
	.022	.015	.68									
	.018	.014	.78									
	~~.012~~	~~.004~~	~~.33~~									
	~~.009~~	~~.005~~	~~.56~~									
	.016	.008	.50									
				.045	.022	.49						
							.062	.054	.87			
							.055	.030	.55			
				.040	.032	.80						
				.036	.070	1.94						
	.019	.020	1.05									
	.017	.012	.71									
				.035	.007	.20						
										.117	.156	1.3
	.016	.006	.38									
	.022	.008	.36									
							.076	.057	.75			
	.015	.005	.33									
	~~.010~~	~~.007~~	~~.70~~									
	~~.013~~	~~.013~~	~~1.00~~									
	~~.011~~	~~.007~~	~~.64~~									
	.016	.004	.25									
	~~.011~~	~~.004~~	~~.36~~									
	~~.004~~	~~.001~~	~~.25~~									

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 119C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
							.074	.076	1.03			
	.022	.007	.32									
										.135	.044	.33
	.029	.017	.59									
	.015	.014	.93									
	.017	.016	.94									
							.083	.090	1.08			
				.040	.045	1.13						
							.058	.071	1.22			
										.251	.288	1.15
										.118	.194	1.64
	.020	.011	.55									
	~~.005~~	~~.001~~	~~.20~~									
	~~.008~~	~~.007~~	~~.88~~									
	~~.008~~	~~.007~~	~~.88~~									
	~~.012~~	~~.007~~	~~.58~~									

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 135C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
	.027	.027	1.00									
	.020	.017	.85									
	.025	.024	.96									
				.038	.028	.74						
							.065	.043	.66			
							.085	.135	1.59			
							.061	.025	.41			
				.038	.033	.87						
				.033	.011	.33						
							.054	.010	.19			
							.051	.033	.65			
										.159	.171	1.08
										.106	.106	1.00
										.122	.090	.74
	.027	.008	.30									
				.048	.053	.91						
										.125	.138	1.10
										.144	.084	.58
							.052	.045	.87			
							.054	.058	1.07			
										.128	.052	.41
										.370	.361	.98
										.626	.273	.44
										.145	.149	1.03
							.051	.059	1.16			
	.015	.011	.61									
	~~.008~~	~~.008~~	~~1.00~~									
	~~.012~~	~~.006~~	~~.50~~							.183	.176	.96
										.204	.184	.90

ANDERSON MINE

EQUILIBRIUM STUDY

DLE NO. 149C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090– +		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.015	.008	.53									
	~~.013~~	~~.005~~	~~.38~~									
	~~.004~~	~~.001~~	~~.25~~									
	~~.008~~	~~.008~~	~~1.00~~									
	.022	.014	.64									
							.076	.061	.80			
							.081	.072	.89			
				.048	.032	.67						
	.028	.022	.79									
	.027	.012	.44									
	~~.015~~	~~.003~~	~~.20~~									
	~~.013~~	~~.011~~	~~.85~~									
	~~.012~~	~~.012~~	~~1.00~~									
	~~.011~~	~~.009~~	~~.82~~									
	~~.013~~	~~.003~~	~~.23~~									
				.045	.016	.36						
				.050	.050	1.00						
	.028	.039	1.39									
	~~.008~~	~~.001~~	~~.13~~									
	.016	.001	.06									
				.033	.039	1.18						
	.018	.009	.50									
	.016	.011	.69									
	.021	.005	.24									
	.017	.014	.82									
	.017	.012	.71									
	~~.007~~	~~.005~~	~~.71~~									
	~~.009~~	~~.003~~	~~.33~~									
	~~.008~~	~~.004~~	~~.50~~									

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 149C

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
	.024	.012	.50									
				.034	.039	1.15						
										.150	.139	.93
				.036	.032	.89						
	~~.013~~	~~.005~~	~~.62~~									

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 184C

ELEV	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
	.012	.016	1.34									
	.013	.022	1.70									
				.032	.060	1.88						
							.060	.066	1.10			
				.046	.055	1.20						
	.029	.032	1.11									
	.023	.020	.87									
	.019	.024	1.27									
										.103	.126	1.2
				.039	.048	1.23						
	.018	.017	.95									
				.034	.032	1.07						
	.019	.015	.79									
	.017	.015	.89									
										.184	.273	1.4
	.015	.015	1.00									
				.043	.045	1.05						
				.034	.032	.95						
							.051	.063	1.24			
				.042	.033	.79						
	.014	.025	1.79									
	.017	.016	.95									
	.016	.025	1.57									
				.035	.070	2.00						
	.012	.023	1.92									
	.015	.015	1.00									
	.026	.030	1.16									
										.117	.139	1.19
							.057	.133	2.34			
	.022	.029	1.32									

ANDERSON MINE

EQUILIBRIUM STUDY

NO. 184C. CON'T

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
EV	GAMMA	CHEM	EQUIL.	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.015	.017	1.14									
	.016	.019	1.19									

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 222C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
										.145	.129	.89
				.032	.028	.88						

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 229 C

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
				.032	.033	1.04						
	.020	.022	1.10							.103	.094	.92
							.079	.080	1.02			
	.024	.032	1.34									
				.038	.031	.82						
				.034	.028	.83						

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 244C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
				.032	.034	1.07						

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 254C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
	.021	.015	.72									

ANDERSON MINE

EQUILIBRIUM STUDY

LE. NO. 273C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
LEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
	.015	.016	1.07									
										.193	.241	1.25
	.022	.027	1.23									
	.015	.019	1.27									
	.019	.023	1.21									
	.020	.017	.85									
	.022	.026	1.19									
	.010	.015	1.50									
	.011	.014	1.28									
	.019	.021	1.11									
	.025	.025	1.00									
				.042	.032	.77						
				.041	.040	.98						
				.044	.046	1.05						
	.022	.021	.96									
	.014	.015	1.08									
	.029	.025	.87									
	.023	.023	1.00									
				.032	.022	.69						

ANDERSON MINE

EQUILIBRIUM STUDY

HOLE NO. 274C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQU
	.051	.048	.95									

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 275C

ELEV	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
										.090	.068	.76
										.325	.419	1.29
	.024	.022	.92									
	.023	.014	.61									
							.060	.062	1.04			
	.024	.023	.96									

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 289C

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
							.056	.046	.83			
										.090	.079	.88
							.059	.039	.67			
				.044	.020	.46						
							.060	.043	.72			
				.035	.033	.95						
				.037	.022	.60						
	.024	.048	2.00									
	.020	.024	1.20									
	.025	.032	1.28									
							.057	.108	1.90			
	.024	.024	1.00									
	.021	.023	1.10									
	.021	.023	1.10									
	.027	.024	.89									
	.025	.020	.80									
	.025	.025	1.00									
	.017	.016	.95									
	.022	.018	.82									
	.015	.016	1.07									
	.022	.024	1.09									
				.031	.041	1.33						
				.031	.029	.94						
							.079	.106	1.35			
				.030	.030	1.00						

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 337C

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
	.028	.045	1.61									
							.057	.057	1.00			
				.036	.026	.73						

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 390 C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090– +		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
	.017	.019	1.12									
							.077	.113	1.47			

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 412 C

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
										.433	.703	1.6
										.186	.295	1.59
										.214	.251	1.18
										.112	.080	.72
							.071	.068	.96			
							.062	.048	.78			
										.148	.109	.74

ANDERSON MINE

EQUILIBRIUM STUDY

LE NO. 422C

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
				.031	.021	.68						
				.036	.026	.73						
	.020	.025	1.25									
	.016	.024	1.50									
	.016	.016	1.00									
				.030	.022	.74						
	.019	.015	.79									
	.014	.018	1.29							.123		2.3
										.097	.289	2.9
							.071	.080	1.13			
										.105	.101	.97
				.049	.044	.90						
				.040	.035	.88						
	.029	.028	.97									
	.026	.025	.97									
				.045	.047	1.05						
				.038	.036	.95						
				.036	.029	.81						
			.057	.044	.033	.75						
			.040	.035	.044	1.26						
			.039	.039	.024	.62						
			.032	.030	.035	1.17						
				.039	.033	.85						
				.034	.031	.92						
	.014	.011	.79									
	.023	.025	1.09									

ANDERSON MINE

EQUILIBRIUM STUDY

E NO. 427C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
LEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
				.04	.142	3.30						
										.117	.023	20
	.015	.019	1.27									
				.0[illegible]	.097	2.49						
										.209	.179	[illegible]
	.024	.017	.71									
	.019	.015	.79									
							.072	.1[illegible]	2.17			
	.021	.022	.76									
										.124	.097	.79
				.042	.038	.91						
							.076	.081	1.07			
	.024	.026	1.08									
	.019	.0[illegible]	1.21									

ANDERSON MINE

EQUILIBRIUM STUDY

OLE NO. 431C

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
										.190	.192	1.01
							.063	.058	.92			
	.021	.023	1.10									
	.019	.026	1.37									
	.020	.032	1.60									
	.016	.016	1.00									
	.017	.019	1.12									
	.024	.016	.67									
				.034	.038	1.12						
	.022	.020	.91									
	.025	.022	.88									
				.038	.052	1.37						
				.036	.033	.92						

ANDERSON MINE

EQUILIBRIUM STUDY

HOLE NO. 434C

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
				.040	.044	1.10						
	.020	.014	.70									
	.029	.031	1.07									
	.025	.020	.80									

ANDERSON MINE

EQUILIBRIUM STUDY

HOLE NO. 435 C

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
				.040	.040	1.00						
										.135	.165	1.22
				.039	.029	.74						
				.039	.010	~~.39~~ .26						
	.017	.016	.94									
	.006	.015	2.50									
	.008	.019	2.38									
	.006	.018	3.00									
	.022	.024	1.09									

ANDERSON MINE

EQUILIBRIUM STUDY

HOLE NO. 436C

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
										.094	.114	1.22
							.085	.082	.97			
				.044	.030	.69						
				.030	.024	.80						

ANDERSON MINE

EQUILIBRIUM STUDY

HOLE NO. 444C

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090– +		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUI
	.013	.016	1.23									
										.278	.446	1.61
										.147	.225	1.5
	.025	.019	.76									
	.020	.015	.75									
	.025	.018	.72									
				.031	.034	1.10						
	.025	.019	.76									
	.016	.015	.94									
	.028	.018	.65									
	.020	.030	1.50									
	.028	.022	.79									
	.028	.018	.65									
				.042	.052	1.24						
	.025	.024	.96									
				.039	.042	1.08						
	.021	.015	.72									
	.020	.019	.95									
				.030	.030	1.00						
				.045	.048	1.07						
	.012	.016	1.34									
										.107	.113	1.06
				.031	.016	.52						
							.054	.049	.91			

ANDERSON MINE

EQUILIBRIUM STUDY

LE NO. 5' CUTTINGS

LEV	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
				.032	.034	1.06						
	~~.010~~	~~.011~~	~~1.1~~									
	~~.006~~	~~.004~~	~~.66~~									
	~~.005~~	~~.003~~	~~.60~~									
	~~.002~~	~~.001~~	~~.50~~									
	~~.004~~	~~.001~~	~~.25~~									
	.017	.018	1.05									
	~~.005~~	~~.003~~	~~.60~~									
	.022	.020	.91									
	.019	.019	1.00									
	~~.012~~	~~.013~~	~~1.08~~									
	.029	.026	.89									
	.023	.028	1.22									
	.017	.014	.82									
	.023	.020	.87									
	~~.007~~	~~.005~~	~~.71~~									
	.016	.016	1.00									
	~~.011~~	~~.011~~	~~1.00~~									
	~~.007~~	~~.004~~	~~.57~~									
	~~.003~~	~~.002~~	.67									
	~~.011~~	~~.009~~	.81									
	~~.005~~	~~.003~~	~~.60~~									
	.016	.014	.875									
	.021	.016	.76									
	~~.008~~	~~.006~~	~~.75~~									
	~~.005~~	~~.002~~	~~.40~~									
	~~.004~~	~~.003~~	~~.75~~									

ANDERSON MINE

EQUILIBRIUM STUDY

LE NO. 5' CUTTINGS

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
LEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.029	.028	.812									
	.008	.005	.625									
	.005	.004	.800									
	.025	.018	.72									
	.019	.015	.79									
	.006	.002	.33									
	.004	.002	.50									
	.002	.001	.50									
	.006	.003	.50									
	.020	.017	.85									
	.005	.003	.60									
	.003	.002	.67									
	.022	.016	.73									
	.005	.002	.40									
	.005	.002	.40									
	.004	.002	.50									
	.010	.008	.80									
				.037	.022	.59						
	.009	.008	.88									
	.004	.002	.50									
	.005	.003	.60									
	.010	.007	.70									
	.010	.006	.60									
	.012	.009	.75									
	.019	.013	.68									
	.008	.005	.63									
	.005	.002	.40									
	.012	.010	.83									

ANDERSON MINE

EQUILIBRIUM STUDY

LE NO. 5' CUTTINGS

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
				.034	.034	1.00						
	.020	.017	.85									
	~~.011~~	~~.009~~	~~.82~~									
	.016	.014	.88									
	~~.004~~	~~.003~~	~~.75~~									
				.041	.053	1.29						
	~~.010~~	~~.004~~	~~.40~~									
	.028	.039	1.39									
	~~.013~~	~~.012~~	~~.92~~									
				.034	.025	.73						
	.024	.022	.92									
				.030	.027	.90						
	.025	.021	.84									
				.046	.058	1.26						
	~~.006~~	~~.003~~	~~.50~~									
	~~.007~~	~~.004~~	~~.57~~									
	~~.008~~	~~.005~~	~~.63~~									
	~~.006~~	~~.003~~	~~.50~~									
	~~.012~~	~~.012~~	~~1.00~~									
	.024	.034	1.42									
	~~.005~~	~~.003~~	~~.60~~									
	~~.006~~	~~.005~~	~~.83~~									
	~~.008~~	~~.002~~	~~.25~~									
	~~.013~~	~~.012~~	~~.92~~									
	.024	.018	.75									
				.034	.028	.82						
	~~.014~~	~~.006~~	~~.43~~									
	~~.007~~	~~.003~~	~~.42~~									
	~~.006~~	~~.003~~	~~.50~~									

ANDERSON MINE

EQUILIBRIUM STUDY

LE NO. 5' CUTTINGS

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	~~.012~~	~~.008~~	~~.67~~									
				.031	.027	.87						
	.016	.015	.93									
	~~.004~~	~~.001~~	~~.25~~									
	.016	.015	.94									
	~~.006~~	~~.005~~	~~.83~~									
	~~.007~~	~~.008~~	~~1.14~~									
	~~.013~~	~~.013~~	~~1.00~~									
	~~.012~~	~~.011~~	~~.92~~									
	.024	.020	.83									
	~~.007~~	~~.005~~	~~.71~~									
	~~.006~~	~~.003~~	~~.50~~									
				.038	.036	.95						
	~~.004~~	~~.002~~	~~.50~~									
	~~.007~~	~~.002~~	~~.28~~									
	.022	.020	.91									
	.027	.027	1.00									
	.022	.023	1.05									
	~~.009~~	~~.005~~	~~.55~~									
	~~.013~~	~~.010~~	~~.76~~									
	~~.014~~	~~.002~~	~~.14~~									
	~~.005~~	~~.010~~	~~.50~~									
				.039	.040	1.02						
				.050	.049	.98						
	~~.007~~	~~.004~~	~~.57~~									
	~~.004~~	~~.003~~	~~.75~~									
	~~.011~~	~~.012~~	~~1.09~~									

ANDERSON MINE

EQUILIBRIUM STUDY

LE NO. 5' CUTTINGS

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
ELEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
				.049	.116	2.37						
										.102	.114	1.12
				.032	.053	1.66						
	~~.009~~	~~.007~~	~~.77~~									
	~~.012~~	~~.012~~	~~1.00~~									
	.014	.015	1.07									
				.050	.062	1.24						
	~~.008~~	~~.004~~	~~.50~~									
	~~.008~~	~~.005~~	~~.63~~									
	.028	.028	1.00									
	~~.011~~	~~.007~~	~~.63~~									
	.028	.031	1.11									
	~~.008~~	~~.006~~	~~.75~~									
	~~.008~~	~~.005~~	~~.63~~									
	~~.009~~	~~.007~~	~~.78~~									
	~~.011~~	~~.008~~	~~.72~~									
	.015	.012	.80									
	~~.004~~	~~.003~~	~~.75~~									
	.017	.013	.76									
	.019	.016	.84									
	~~.005~~	~~.004~~	~~.80~~									
	.028	.020	.71									
										.181	.193	1.06
				.036	.038	1.05						
	.021	.018	.86									
	~~.012~~	~~.011~~	~~.91~~									
	~~.005~~	~~.004~~	~~.80~~									
	.029	.039	1.34									

ANDERSON MINE

EQUILIBRIUM STUDY

LE NO. 5' CUTTINGS

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
LEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	~~.004~~	~~.002~~	~~.50~~									
	.019	.023	1.21									
										.144	.141	.98
	~~.008~~	~~.006~~	~~.75~~									
	~~.007~~	~~.005~~	~~.71~~									
	.025	.026	1.04									
	~~.003~~	~~.001~~	~~.33~~									
	~~.002~~	~~.001~~	~~.50~~									
	~~.005~~	~~.003~~	~~.60~~									
	~~.003~~	~~.001~~	~~.33~~									
	~~.002~~	~~.001~~	~~.50~~									
	~~.002~~	~~.001~~	~~.50~~									
	~~.008~~	~~.008~~	~~1.00~~									
	~~.009~~	~~.007~~	~~.78~~									
				.034	.031	.91						
				.031	.029	.93						
	.022	.018	.82									
	~~.006~~	~~.006~~	~~1.00~~									
	.024	.017	.71									
	~~.009~~	~~.008~~	~~.89~~									
	~~.011~~	~~.008~~	~~.73~~									
	~~.005~~	~~.004~~	~~.80~~									
	~~.010~~	~~.009~~	~~.90~~									
	.014	.015	1.07									

ANDERSON MINE

EQUILIBRIUM STUDY

E NO. 5' CUTTINGS

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
LEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
							.076	.039	.51			
	.025	.020	.80									
				.047	.054	1.15						
	.022	.025	1.13									
	.003	.001	.33									
	.005	.001	.20									
	.006	.006	1.00									
	.019	.018	.95									
	.010	.011	1.10									
	.003	.002	.67									
	.004	.002	.50									
				.033	.019	.58						
	.016	.010	.625									
	.018	.025	1.39									
	.007	.009	1.29									
	.008	.006	.75									
	.006	.007	1.17									
	.021	.018	.86									
	.017	.018	1.06									
	.010	.010	1.00									
	.010	.011	1.10									
	.004	.004	1.00									
	.005	.004	.80									
	.004	.003	.75									
	.006	.006	1.00									
	.004	.003	.75									
	.007	.005	.71									
				.032	.034	1.06						

ANDERSON MINE

EQUILIBRIUM STUDY

NO. 5' CUTTINGS

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.026	.023	.89									
										.091	.120	1.32
							.065	.084	1.30			
	.006	.003	.50									
	.017	.017	1.00									
	.006	.001	.17									
	.006	.001	.17									
	.007	.005	.72									
	.016	.017	1.07									
	.021	.026	1.24									
	.015	.015	1.00									
	.016	.018	1.13									
	.010	.008	.80									
	.012	.009	.75									
	.002	.001	.50									
	.002	.001	.50									
	.002	.001	.50									
	.002	.001	.50									
	.002	.003	.67									
	.002	.001	.50									
	.002	.001	.50									
	.002	.001	.50									
	.002	.001	.50									
	.017	.025	1.47									
	.002	.002	1.00									
	7	1.12	780									

ANDERSON MINE

EQUILIBRIUM STUDY

NO. 5' CUTTINGS

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	~~.008~~	~~.010~~	~~1.25~~									
							.061	.082	1.35			
	.016	.013	.82									
	.012	.113	9.42									
	.002	.001	.50									
	.007	.004	.58									
	.002	.003	.67									
	.002	.002	1.00									
	.002	.002	1.00									
	.016	.019	1.19									
	.012	.011	.92									
	.013	.013	1.00									
	.013	.011	.85									
	.015	.011	.74									
	.025	.024	.96									
	.020	.022	1.10									
	.013	.015	1.16									
	.007	.006	.86									
	.010	.011	1.10									
	.014	.027	1.93									
	.009	.010	1.12									
	.011	.012	1.09									
	.015	.021	1.40									
	.011	.014	1.28									
	.012	.016	1.34									
	.006	.008	1.34									
	.006	.004	.67									
	.004	.003	.75									
	16	1.[illegible]	18.44									

ANDERSON MINE

EQUILIBRIUM STUDY

NO. 5' CUTTINGS

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.010	.009	.90									
	.011	.011	1.00									
	.005	.002	.40									
	.012	.013	1.09									
	.011	.014	1.28									
	.005	.007	1.40									
	.008	.010	1.25									
	.010	.013	1.30									
	.022	.031	1.41									
	.003	.002	.67									
	.005	.004	.80									
	.005	.004	.80									
	.008	.012	1.50									
	.021	.023	1.10									
	.005	.004	.80									
	.004	.003	.75									
	.002	.001	.50									
	.008	.006	.75									
	.013	.013	1.00									
	.029	.036	1.25									
	.027	.037	1.37									
	.011	.015	1.37									
	.029	.039	1.35									
				.032	.047	1.47						
				.048	.094	1.96						
	.006	.008	1.34									
				.041	.046	1.13						
	.028	.046	1.65									
	[illegible]	[illegible]	[illegible]									

ANDERSON MINE

5' CUTTINGS EQUILIBRIUM STUDY

NO.	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	~~.009~~	~~.013~~	~~1.45~~									
	~~.012~~	~~.013~~	~~1.09~~									
	~~.012~~	~~.014~~	~~1.17~~									
	.022	.025	1.14									
	.021	.024	1.15									
	~~.008~~	~~.006~~	~~.75~~									
	.005	.004	.80									
	~~.006~~	~~.005~~	~~.84~~									
	.003	.001	.34									
	.004	.003	.75									
	.008	.011	1.38									
	.006	.005	.84									
	.002	.007	3.50									
	.017	.020	1.18									
	.019	.017	.90									
	~~.002~~	~~.006~~	~~3.00~~									
	.002	.005	2.50									
	~~.012~~	~~.013~~	~~1.09~~									
				.032	.020	.63						

ANDERSON MINE

EQUILIBRIUM STUDY.

E NO. 5' CUTTINGS

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
LEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.020	.019	.95									
	.020	.019	.95									
	.023	.027	1.18									
	.021	.036	1.72									
	.018	.026	1.45									
	.016	.015	.94									
	.019	.020	1.06									
	~~.014~~	~~.013~~	~~.93~~									
	~~.002~~	~~.001~~	~~.50~~									
	~~.002~~	~~.001~~	~~.50~~									
	~~.002~~	~~.001~~	~~.50~~									
	~~.002~~	~~.002~~	~~1.00~~									
	~~.002~~	~~.002~~	~~1.00~~									
	~~.002~~	~~.003~~	~~.67~~									
	~~.002~~	~~.002~~	~~1.00~~									
	~~.002~~	~~.001~~	~~.50~~									
	.012	.007	.59									
	.015	.014	.94									
	~~.013~~	~~.012~~	~~.93~~									
	.002	.001	.50									
	.002	.001	.50									
	.0			.034	.037	1.09						
	~~.002~~	~~.001~~	~~.50~~									
	~~.002~~	~~.001~~	~~.50~~									
	.002	.001	.50									
	~~.002~~	~~.006~~	~~3.00~~									
	.002	.004	2.00									
	.002	.004	2.00									

ANDERSON MINE

EQUILIBRIUM STUDY

NO. 5' CUTTINGS

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.002	.001	.50									
	.002	.002	1.00									
	.002	.004	2.00									
	.002	.001	.50									
	.002	.001	.50									
	.021	.004	.19									
	.013	.009	.70									
	.017	.017	1.00									
				.043	.041	.96						
	.019	.016	.85									
	.022	.014	.64									
	.024	.015	.63									
	.002	.001	.50									
	.002	.001	.50									
	.002	.002	1.00									
	.012	.006	.50									
	.014	.007	.50									
	.020	.013	.65									
	.019	.015	.79									
	.010	.008	.80									
	.005	.002	.40									

ANDERSON MINE

EQUILIBRIUM STUDY

NO. 5' CUTTINGS

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
LEV	GAMM.	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.023	.032	1.40									
							.065	.089	1.37			
	.018	.020	1.12									
	.018	.018	1.00									
				.034	.033	.97						
	.005	.002	.40									
	.005	.003	.60									
	.023	.032	1.40									
	.017	.026	1.53									
	.026	.023	.89									
	.006	.003	.50									
	.007	.004	.58									
	.008	.006	.75									
	.026	.025	.97									
	.006	.003	.50									
	.009	.007	.78									
	.019	.025	1.32									
	.005	.002	.40									
	.008	.006	.75									
	.010	.007	.70									
	.009	.006	.67									
	.009	.007	.78									
	.029	.044	1.63									
	.022	.022	1.00									
	.023	.024	1.05									
	.015	.013	.87									

ANDERSON MINE

EQUILIBRIUM STUDY

E NO. 5' CUTTINGS

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
LEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.006	.003	.50									
	.006	.003	.50									
	.010	.008	.80									
	.024	.028	1.17									
							.050	.056	1.12			
	.021	.020	.96									
	.012	.013	1.09									
	.021	.026	1.24									
				.032	.038	.85						
	.007	.005	.72									
	.008	.006	.75									
	.026	.037	1.43									
	.022	.026	1.19									
	.023	.020	.87									
							.066	.089	1.35			
	.006	.003	.50									
	.007	.006	1.17									
	.008	.006	.75									
	.006	.004	.67									
	.010	.007	.70									

ANDERSON MINE

5' CUTTINGS EQUILIBRIUM STUDY

E NO.

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.017	.019	1.12									
	.016	.014	.88									
	.021	.017	.81									
				.031	.029	.94						
	.003	.001	.34									
	.004	.002	.50									
	.007	.006	.86									
	.006	.005	.84									
	.009	.009	1.00									
	.022	.030	1.37									
	.015	.016	1.07									
	.018	.017	.95									
	.026	.025	.97									
	.026	.025	.97									
	.023	.012	.53									
	.016	.020	1.25									
	.011	.012	1.09									
	.011	.010	.91									
	.003	.001	.33									
	.003	.001	.33									
	.005	.002	.40									
	.004	.001	.25									
	.006	.001	.17									
	.018	.012	.67									
	.019	.025	1.32									
	.008	.008	1.00									
	.007	.005	.72									

ANDERSON MINE

EQUILIBRIUM STUDY

E NO. 5' CUTTINGS

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.005	.004	.80									
	.016	.018	1.13									
	.027	.024	.89									
	.007	.015	2.15									
	.010	.010	1.00									
	.007	.004	.58									
	.004	.002	.50									
	.004	.002	.50									
	.003	.001	.33									
	.010	.009	.90									
	.008	.006	.75									
	.009	.008	.89									
	.003	.002	.67									
	.004	.003	.75									
	.010	.007	.70									
	.009	.005	.56									
	.003	.002	.67									
	.002	.001	.50									
	.002	.001	.50									
	.002	.001	.50									
				.030	.034	1.14						
				.036	.037	1.09						
	.012	.016	1.34									
	.008	.009	1.13									
	.014	.011	.79									
	.003	.004	1.34									

ANDERSON MINE

EQUILIBRIUM STUDY

E NO. 5' CUTTINGS

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
LEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	~~.003~~	~~.001~~	~~.33~~									
	.014	.017	1.22									
	.026	.026	1.00									
	.021	.021	1.00									
	.021	.032	1.53									
	.015	.016	1.07									
	~~.013~~	~~.013~~	~~1.00~~									
	.016	.019	1.19									
	~~.010~~	~~.005~~	~~.50~~									
	~~.002~~	~~.001~~	~~.50~~									
	~~.006~~	~~.003~~	~~.50~~									
				.031	.036	1.17						
	.019	.032	1.69									
	.019	.019	1.00									
	~~.007~~	~~.007~~	~~1.00~~									
	~~.010~~	~~.009~~	~~.90~~									
	~~.007~~	~~.005~~	~~.72~~									
	~~.006~~	~~.005~~	~~.84~~									
	~~.006~~	~~.005~~	~~.84~~									
	.015	.014	.94									
	.015	.015	1.00									
	~~.003~~	~~.001~~	~~.33~~									
	~~.004~~	~~.002~~	~~.50~~									
	.018	.014	.78									
	.019	.019	1.00									
	~~.014~~	~~.014~~	~~1.00~~									
	~~.012~~	~~.013~~	~~1.09~~									
	.017	.015	.89									

ANDERSON MINE

EQUILIBRIUM STUDY

E NO. 5' CUTTINGS

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.006	.014	2.34									
	.005	.003	.60									
	.006	.004	.67									
	.003	.002	.67									
							.064	.096	1.50			
	.028	.043	1.54									
	.027	.031	1.15									
				.031	.037	1.20						
	.028	.039	1.40									
	.003	.001	.34									
	.003	.001	.34									
	.007	.009	1.29									
	.003	.001	.34									
	.002	.009	4.5									
	.022	.019	.87									
	.007	.004	.58									
	.003	.001	.34									
	.002	.001	.50									
	.003	.001	.34									
	.004	.001	.25									
	.003	.001	.34									
	.013	.016	1.23									
	.013	.011	.85									
	.027	.031	1.15									
				.031	.015	.49						
							.065	.096	1.48			

Appendix 4

Bendix Field Engineering Corporation
Grand Junction Operations
P.O. Box 1569
Grand Junction, CO. 81501

BFE-1023

LOGGING UNIT CALIBRATION DATA

Company: Minerals Exploration
Address P.O. Box 2674
Casper, Wyo. 82602

Unit No.: 61
Date: 2/28/78
Unit Operator: D.E. Bradley

Probe No.	Deadtime	Air K-Factor	Hole Size	Water Factor	Casing Type	Casing Factor	Casing Type	Casing Factor
* 3	9.822μsec	6.375×10^{-5}						
**3	8.405μsec	5.403×10^{-5}						
* 4	8.927μsec	2.646×10^{-5}						
**4	7.741μsec	2.194×10^{-5}						

Comments:
*=Analog, **=Digital. Note: Please note difference in count rates between Analog and Digital data. Listed above are calibration factors for your logging unit. If you have any questions, please contact me at (303)242-8621, ext.275
H. Larry Knight, Geophysics Engineer H. Larry Knight

Neither the United States, Energy Research and Development Administration, Bendix Field Engineering Corp., nor any person acting on behalf of any of them, makes any warranty or representation, express or implied, with respect to the accuracy or completeness of the information contained herein.

ANDERSON MINE

EQUILIBRIUM STUDY

E NO. 5' CUTTINGS

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.006	.014	2.34									
	.005	.003	.60									
	.006	.004	.67									
	.003	.002	.67									
							.064	.096	1.50			
	.028	.043	1.54									
	.027	.031	1.15									
				.031	.037	1.20						
	.028	.039	1.40									
	.003	.001	.34									
	.003	.001	.34									
	.007	.009	1.29									
	.003	.001	.34									
	.002	.009	4.5									
	.022	.019	.87									
	.007	.004	.58									
	.003	.001	.34									
	.002	.001	.50									
	.003	.001	.34									
	.004	.001	.25									
	.003	.001	.34									
	.013	.016	1.23									
	.013	.011	.85									
	.027	.031	1.15									
				.031	.015	.49						
							.065	.096	1.48			

ANDERSON MINE

5' CUTTINGS EQUILIBRIUM STUDY

NO.

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
LEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.005	.004	.80									
	.002	.001	.50									
	.012	.010	.84									
	.009	.007	.78									
	.009	.009	1.00									
	.015	.020	1.34									
	.023	.030	1.31									
	.009	.012	1.34									
	.010	.012	1.20									
	.005	.002	.40									
	.004	.002	.50									
	.003	.002	.67									
	.011	.010	.91									
	.008	.009	1.13									
	.009	.009	1.00									
	.009	.008	.89									
	.008	.007	.88									
	.008	.005	.63									
	.016	.019	1.19									
	.006	.003	.50									
	.005	.003	.60									
	.004	.002	.50									
	.002	.001	.50									

ANDERSON MINE

E NO. 5' CUTTINGS EQUILIBRIUM STUDY

	LEACH .015–.030			ORE .030–.050			ORE .050–.090			HIGH GRADE .090–+		
EV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	.005	.003	.60									
	.004	.003	.75									
	.002	.001	.50									
	.003	.001	.34									
	.009	.009	1.00									
	.020	.026	1.30									
	.021	.027	1.29									
	.003	.001	.34									
	.004	.002	.50									
	.002	.003	.67									
	.007	.007	1.00									
	.009	.007	.78									
	.009	.010	1.12									
	.011	.011	1.00									
	.010	.010	1.00									
	.009	.009	1.00									
	.003	.001	.34									
	.009	.015	1.67									

ANDERSON MINE
EQUILIBRIUM STUDY

CHEM <.015
HIGH X

.E NO.

	LEACH .015—.030			ORE .030—.050			ORE .050—.090			HIGH GRADE .090—+		
LEV	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL	GAMMA	CHEM	EQUIL
	~~.011~~	~~.008~~	~~.73~~									
	~~.010~~	~~.010~~	~~1.00~~									
	.003	.001	.33									
	.018	.012	.67									
	~~.008~~	~~.003~~	~~.38~~									
	.009	.005	.56									
	~~.014~~	~~.006~~	~~.43~~									
	.016	.019	1.19									
				.030	.029	.97						
	.019	.016	.85									
	.015	.013	.87									
	.020	.032	1.60									
	~~.006~~	~~.007~~	~~1.17~~									
	.013	.016	1.23									
	.005	~~.004~~	~~.80~~									
	.002	.002	1.00									
	.004	.003	.75									
	~~.002~~	~~.001~~	~~.50~~									
	.002	.001	.50									
	.002	.001	.50									
	.014	.011	.79									
	.007	~~.002~~	~~.29~~									
	~~.009~~	~~.003~~	~~.34~~									
	.023	.009	.40									
	~~.013~~	~~.011~~	~~.85~~									
	.024	.014	.59									
	~~.014~~	~~.012~~	~~.86~~									
	.003	.002	.67									
	~~.010~~	~~.011~~	~~1.10~~									

Appendix 4

Bendix Field Engineering Corporation
Grand Junction Operations
P.O. Box 1569
Grand Junction, CO. 81501

BFE-1023

LOGGING UNIT CALIBRATION DATA

Company: Minerals Exploration
Address P.O. Box 2674
Casper, Wyo. 82602

Unit No.: 61
Date: 2/28/78
Unit Operator: D.E. Bradley

Probe No.	Deadtime	Air K-Factor	Hole Size	Water Factor	Casing Type	Casing Factor	Casing Type	Casing Factor
* 3	9.822μsec	6.375×10^{-5}						
**3	8.405μsec	5.403×10^{-5}						
* 4	8.927μsec	2.646×10^{-5}						
**4	7.741μsec	2.194×10^{-5}						

Comments:
*=Analog, **=Digital. Note: Please note difference in count rates between Analog and Digital data. Listed above are calibration factors for your logging unit. If you have any questions, please contact me at (303)242-8621, ext.275
H. Larry Knight, Geophysics Engineer H. Larry Knight

Neither the United States, Energy Research and Development Administration, Bendix Field Engineering Corp., nor any person acting on behalf of any of them, makes any warranty or representation, express or implied, with respect to the accuracy or completeness of the information contained herein.

Bendix Field Engineering Corporation
Grand Junction Operations
P.O. Box 1569
Grand Junction, CO. 81501

DIGITAL

LOGGING UNIT CALIBRATION DATA

BFE-1023

Company: Minerals Exploration
Address P.O. Box 2674
Casper, Wyoming 82602

Unit No.: 61
Date: 8-31-77
Unit Operator:

Probe No.	Deadtime	Air K-Factor	Hole Size	Water Factor	Casing Type	Casing Factor	Casing Type	Casing Factor
3	7.394μsec	5.428×10^{-5}						
4	7.209μsec	2.185×10^{-5}						

Comments:
-Digital Calculations-
If you have any questions, please contact me at (303) 242-8621, ~~Ext. 305~~ 275

Larry Knight, Geophysics Engineer

Neither the United States, Energy Research and Development Administration, Bendix Field Engineering Corp., nor any person acting on behalf of any of them, makes any warranty or representation, express or implied, with respect to the accuracy or completeness of the information contained herein.

Bendix Field Engineering Corporation
Grand Junction Operations
P.O. Box 1569
Grand Junction, CO. 81501

ANALOG

LOGGING UNIT CALIBRATION DATA

BFE-1023

Company: Minerals Exploration
Address P.O. Box 2674
Casper, Wyoming

Unit No.: 61
Date: 8-31-77
Unit Operator:

Probe No.	Deadtime	Air K-Factor	Hole Size	Water Factor	Casing Type	Casing Factor	Casing Type	Casing Factor
3	9.239μsec	6.006×10^{-5}						
4	7.497μsec	2.479×10^{-5}						

Comments: Listed above are calibration factors for your logging unit.
If you have any questions, please contact me at (303) 242-8621, Ext. ~~305~~ 275
Analog calculations.

Larry Knight, Geophysics Engineer

Neither the United States, Energy Research and Development Administration, Bendix Field Engineering Corp., nor any person acting on behalf of any of them, makes any warranty or representation, express or implied, with respect to the accuracy or completeness of the information contained herein.

Bendix Field Engineering Corporation
Grand Junction Operations
P.O. Box 1569
Grand Junction, CO. 81501

BFE-1023

LOGGING UNIT CALIBRATION DATA

Company: Minerals Exploration
Address P.O. Box 2674
Casper, Wyo. 82602

Unit No.: 61
Date: 2/28/78
Unit Operator: D.E. Bradley

Probe No.	Deadtime	Air K-Factor	Hole Size	Water Factor	Casing Type	Casing Factor	Casing Type	Casing Factor
* 3	9.822μsec	6.375×10^{-5}						
**3	8.405μsec	5.403×10^{-5}						
* 4	8.927μsec	2.646×10^{-5}						
**4	7.741μsec	2.194×10^{-5}						

Comments: *=Analog, **=Digital. Note: Please note difference in count rates between Analog and Digital data. Listed above are calibration factors for your logging unit. If you have any questions, please contact me at (303)242-8621, ext.275

H. Larry Knight, Geophysics Engineer H. Larry Knight

Neither the United States, Energy Research and Development Administration, Bendix Field Engineering Corp., nor any person acting on behalf of any of them, makes any warranty or representation, express or implied, with respect to the accuracy or completeness of the information contained herein.

Bendix Field Engineering Corporation
Grand Junction Operations
P.O. Box 1569
Grand Junction, CO. 81501

BFE-1023

LOGGING UNIT CALIBRATION DATA

Company: Minerals Exploration Co. | Unit No.: 2 | Date: 6-24-76

Address Box 2674 | Unit Operator: Dave George

Casper, Wyoming 82602

Probe No.	Deadtime	Air K-Factor	Hole Size	Water Factor	Casing Type	Casing Factor	Casing Type	Casing Factor
3	7.14μsec	5.70×10^{-5}	2.25"	1.04	1/16"iron	1.09	½" Iron	
*3	7.16μsec	5.54×10^{-5}	4.50"	1.16	1/8" iron	1.125	1.62	
			6.50"	1.28	3/16"iron	1.20		
			8.50"	1.36	¼" iron	1.274		

Comments: *Digital Data 3/4 x 3" crystal, filtered. Listed above are calibration factors for your logging unit. If you have any questions, please contact me at (303)242-8621, ext. 286.

Charles F. Hajek
Geophysics Engineer

Neither the United States, Energy Research and Development Administration, Bendix Field Engineering Corp., nor any person acting on behalf of any of them, makes any warranty or representation, express or implied, with respect to the accuracy or completeness of the information contained herein.

Bendix Field Engineering Corporation
Grand Junction Operations
P.O. Box 1569
Grand Junction, CO. 81501

BFE-1023

LOGGING UNIT CALIBRATION DATA

Company: Minerals Exploration, Inc. | Unit No.: 2 | Date: 6/7/77

Address Post Office Box 2674 | Unit Operator: D. C. George

Casper, Wyoming 82602

Probe No.	Deadtime	Air K-Factor	Hole Size	Water Factor	Casing Type	Casing Factor	Casing Type	Casing Factor
*4	8.74μsec	2.379×10^{-5}						
**4	7.77μsec	2.171×10^{-5}						
*3	7.52μsec	5.966×10^{-5}						
**3	7.65μsec	5.422×10^{-5}						

Comments: *Analog; **Digital

Listed above are calibration factors for your logging unit. If you have any questions, please contact me at (303) 242-8621, Ext. 286.

Stanton H. Moll
Geophysics Engineer

Neither the United States, Energy Research and Development Administration, Bendix Field Engineering Corp., nor any person acting on behalf of any of them, makes any warranty or representation, express or implied, with respect to the accuracy or completeness of the information contained herein.

Bendix **Field Engineering Corporation**
Grand Junction Operations
P.O. Box 1569
Grand Junction, CO. 81501

DIGITAL

LOGGING UNIT CALIBRATION DATA

BFE-1023

Company: Minerals Exploration		Unit No.: 61	Date: 8-31-77
Address P.O. Box 2674		Unit Operator:	
Casper, Wyoming 82602			

Probe No.	Deadtime	Air K-Factor	Hole Size	Water Factor	Casing Type	Casing Factor	Casing Type	Casing Factor
3	7.394μsec	5.428×10^{-5}						
4	7.209μsec	2.185×10^{-5}						

Comments:

-Digital Calculations-

If you have any questions, please contact me at (303) 242-8621, ~~Ext. 355~~ 275

Larry Knight, Geophysics Engineer

Neither the United States, Energy Research and Development Administration, Bendix Field Engineering Corp., nor any person acting on behalf of any of them, makes any warranty or representation, express or implied, with respect to the accuracy or completeness of the information contained herein.

Bendix **Field Engineering Corporation**
Grand Junction Operations
P.O. Box 1569
Grand Junction, CO. 81501

ANALOG

LOGGING UNIT CALIBRATION DATA

BFE-1023

Company: Minerals Exploration		Unit No.: 61	Date: 8-31-77
Address P.O. Box 2674		Unit Operator:	
Casper, Wyoming			

Probe No.	Deadtime	Air K-Factor	Hole Size	Water Factor	Casing Type	Casing Factor	Casing Type	Casing Factor
3	9.239μsec	6.006×10^{-5}						
4	7.497μsec	2.479×10^{-5}						

Comments: Listed above are calibration factors for your logging unit.

If you have any questions, please contact me at (303) 242-8621, Ext. ~~355~~ 275

Analog calculations.

Larry Knight, Geophysics Engineer

Neither the United States, Energy Research and Development Administration, Bendix Field Engineering Corp., nor any person acting on behalf of any of them, makes any warranty or representation, express or implied, with respect to the accuracy or completeness of the information contained herein.