10/5/82 Certified original
L Tyson
PDR
40-8820
(formerly 40-8355)

1ETR

RADIOLOGICAL ASSESSMENT REPORT FOR AMAX INC. PROPERTY LOCATED AT PARKERSBURG, W. VA VOLUME 2

Report to AMAX, Inc. as per Agreement dated
July 20, 1978

RADIOLOGICAL ASSESSMENT REPORT FOR

AMAX, INC. PROPERTY LOCATED AT PARKERSBURG, W. VA.

VOLUME 2

Prepared by ATCOR, INC.,
a Division of Chem-Nuclear
Systems, Inc.

R. G. Levesque
Manager, Decommissioning

December 1, 1978

ATC

Figure 3.a.(1)

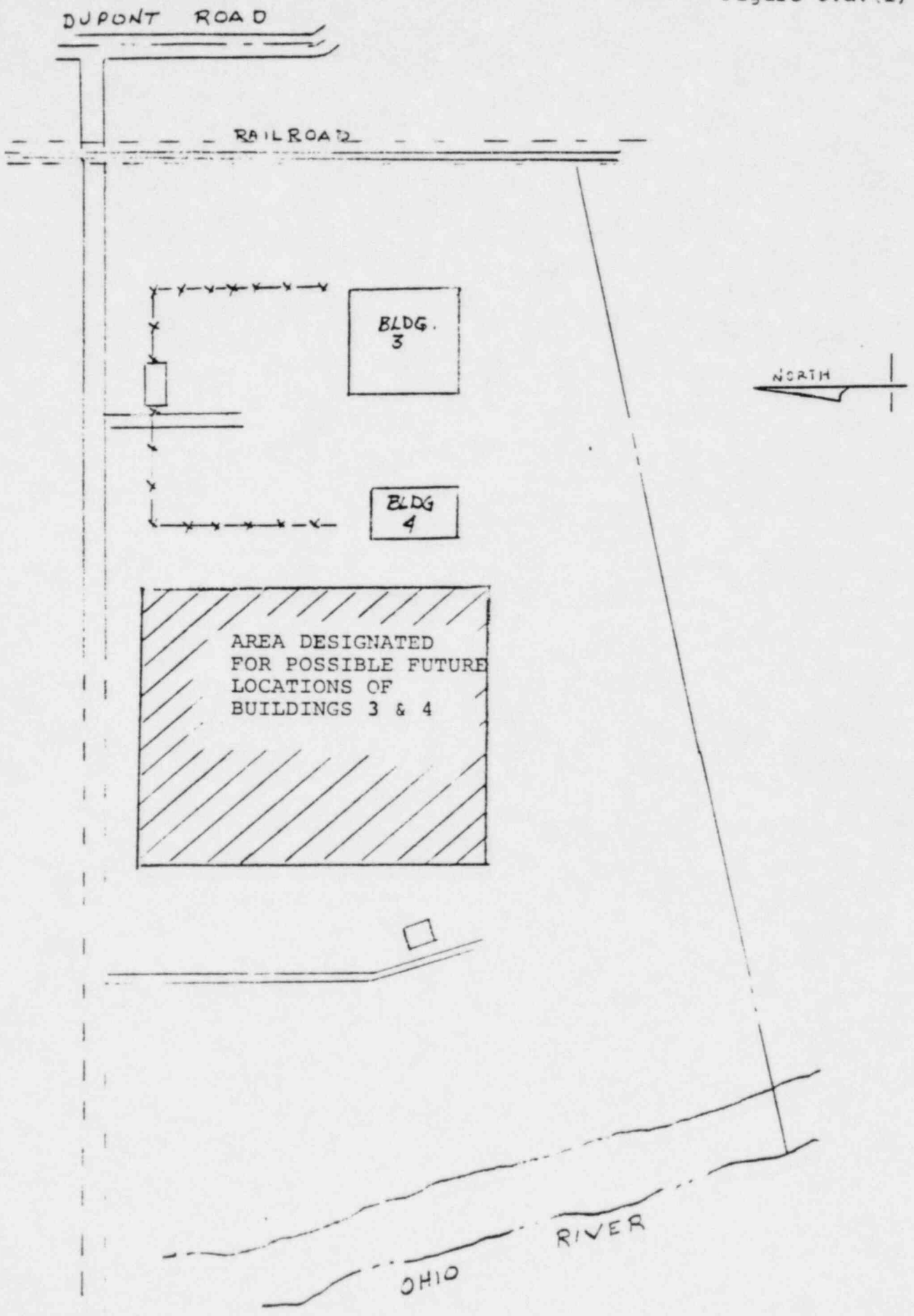
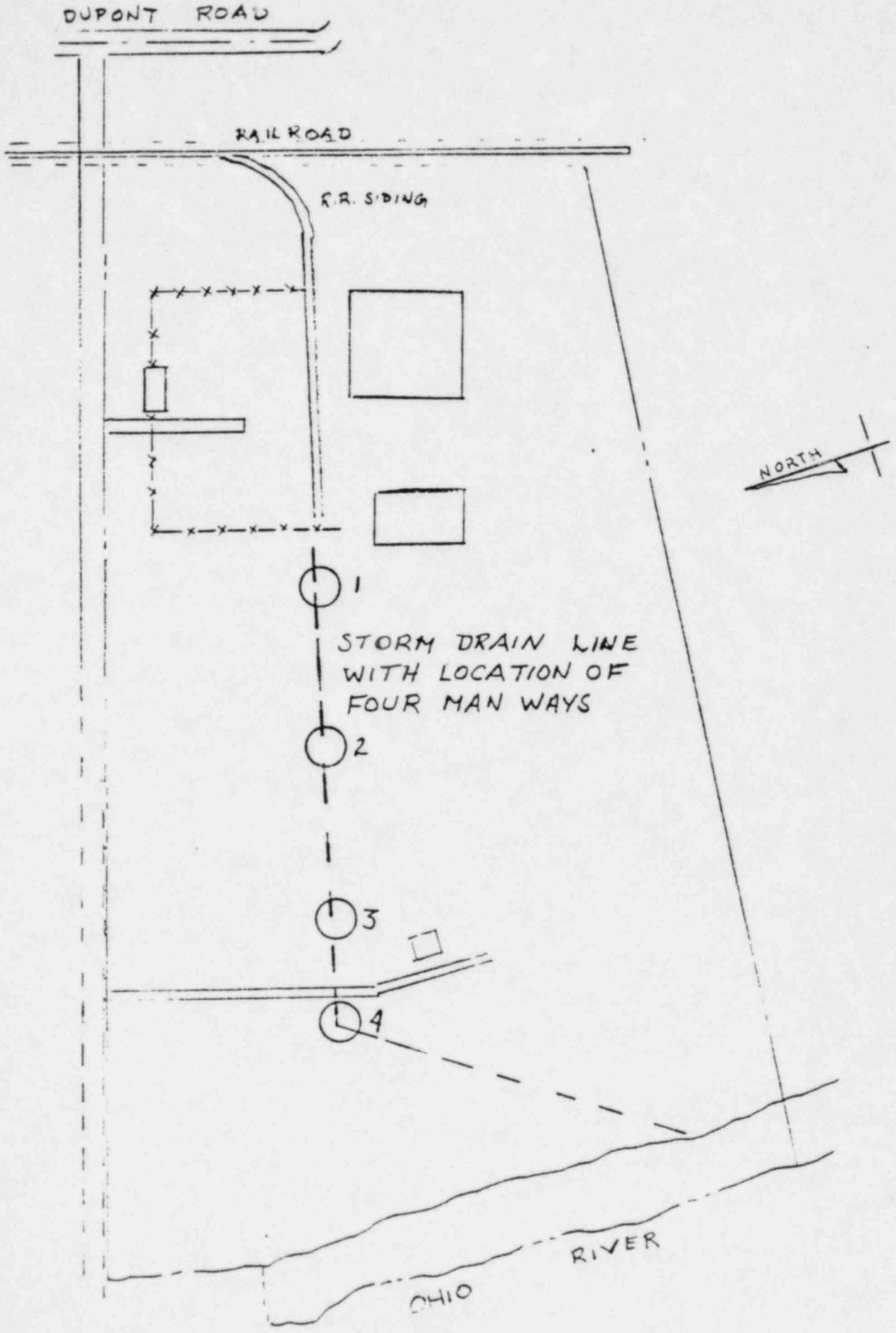

DUPONT ROAD
RAILROAD
BLDG. 3
BLDG 4
NORTH
AREA DESIGNATED FOR POSSIBLE FUTURE LOCATIONS OF BUILDINGS 3 & 4
OHIO RIVER

Figure 3.a.(2)


DUPONT ROAD
RAILROAD
R.R. SIDING
NORTH
1
STORM DRAIN LINE WITH LOCATION OF FOUR MAN WAYS
2
3
4
RIVER
OHIO

AERIAL VIEW OF
L. B. FOSTER FACILITY
LOCATED NEAR
PARKERSBURG, W. VA.

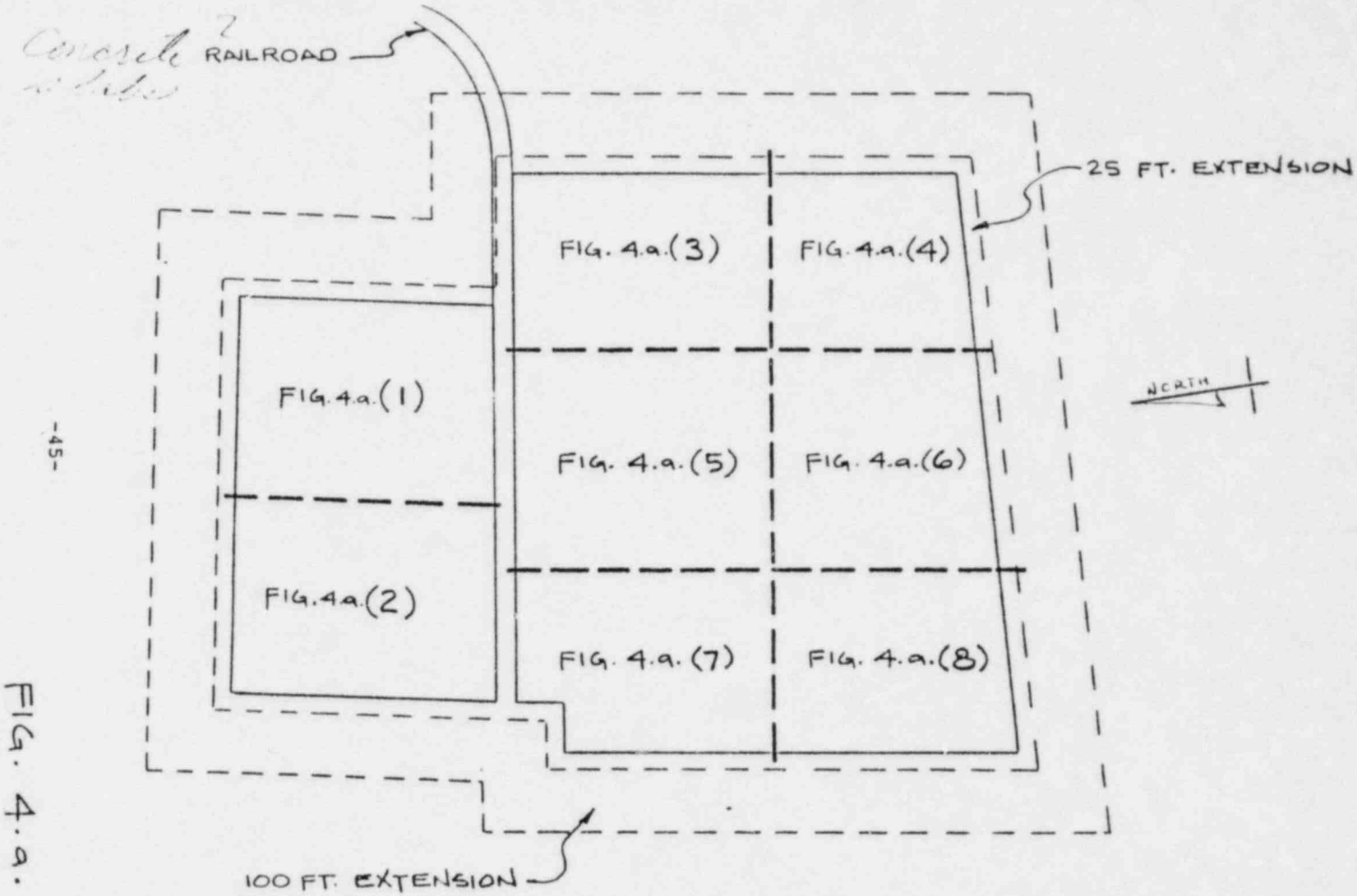

RAILROAD
25 FT. EXTENSION
FIG. 4.a.(3)
FIG. 4.a.(4)
FIG. 4.a.(1)
FIG. 4.a.(5)
FIG. 4.a.(6)
FIG. 4.a.(2)
FIG. 4.a.(7)
FIG. 4.a.(8)
NORTH
100 FT. EXTENSION

FIG. 4.a.

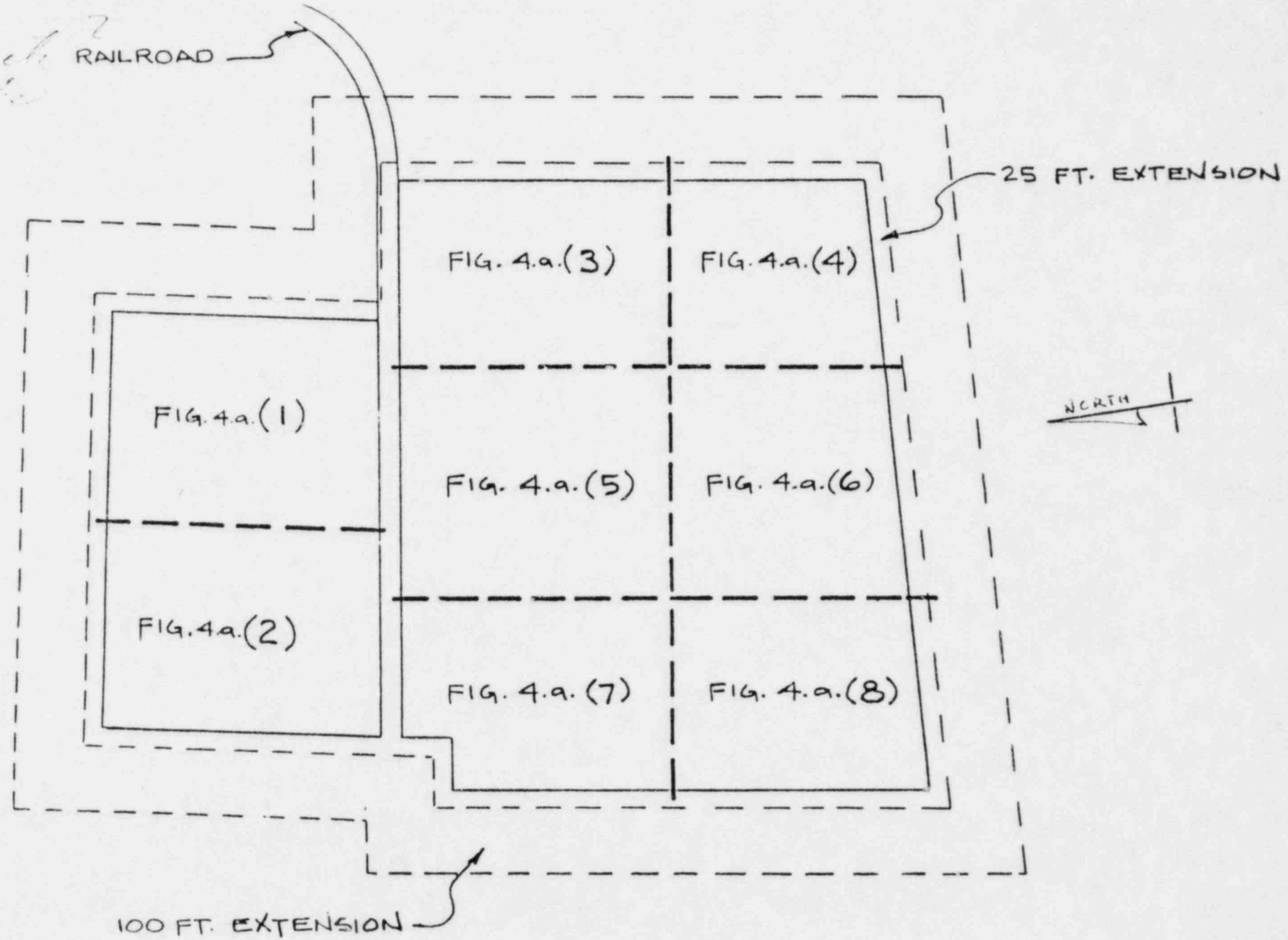
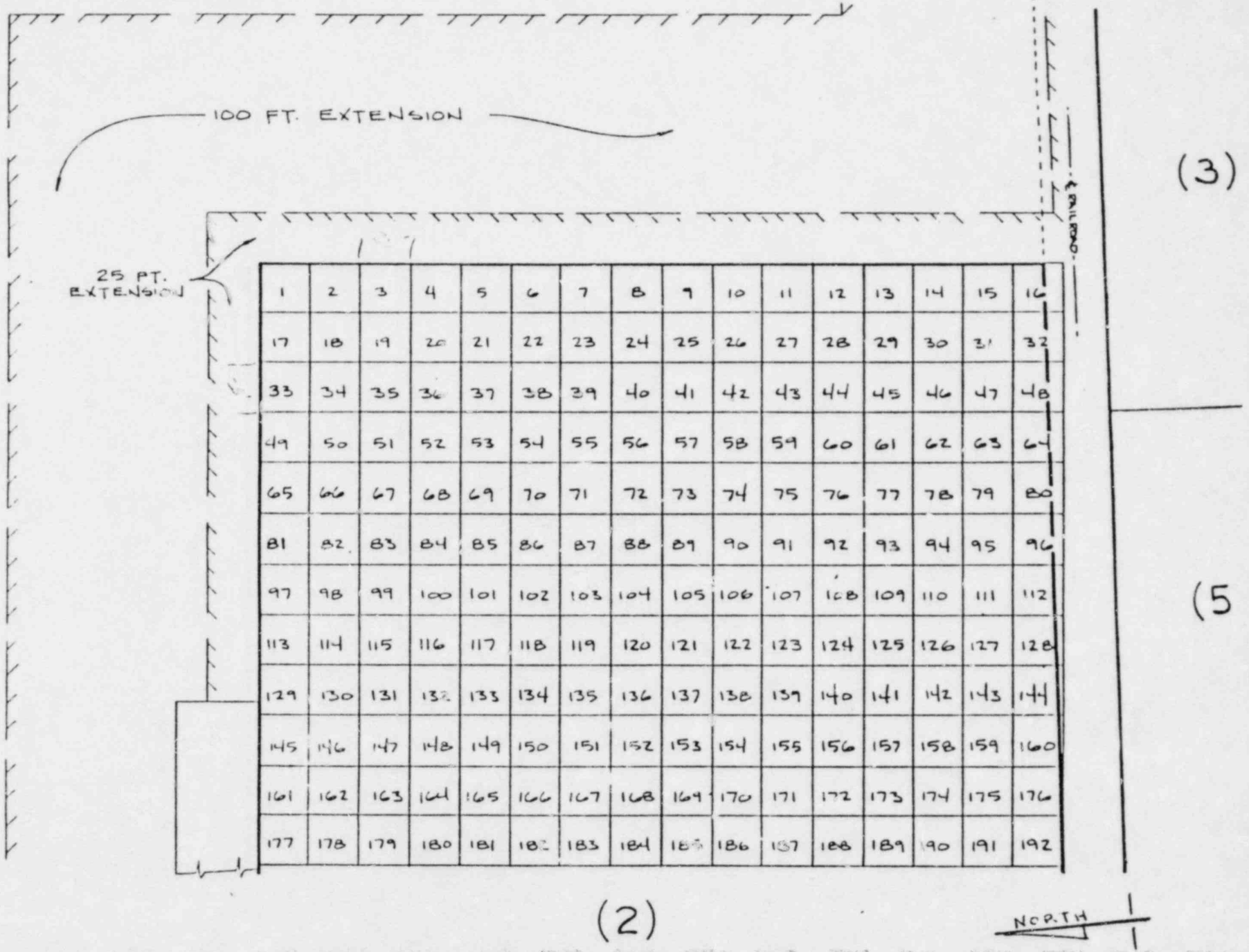

RAILROAD
25 FT. EXTENSION
FIG. 4.a.(3)
FIG. 4.a.(4)
FIG. 4.a.(1)
FIG. 4.a.(5)
FIG. 4.a.(6)
FIG. 4.a.(2)
FIG. 4.a.(7)
FIG. 4.a.(8)
NORTH
100 FT. EXTENSION

FIG. 4.a.



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49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
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81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
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145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192

FIG. 4.9. (1)

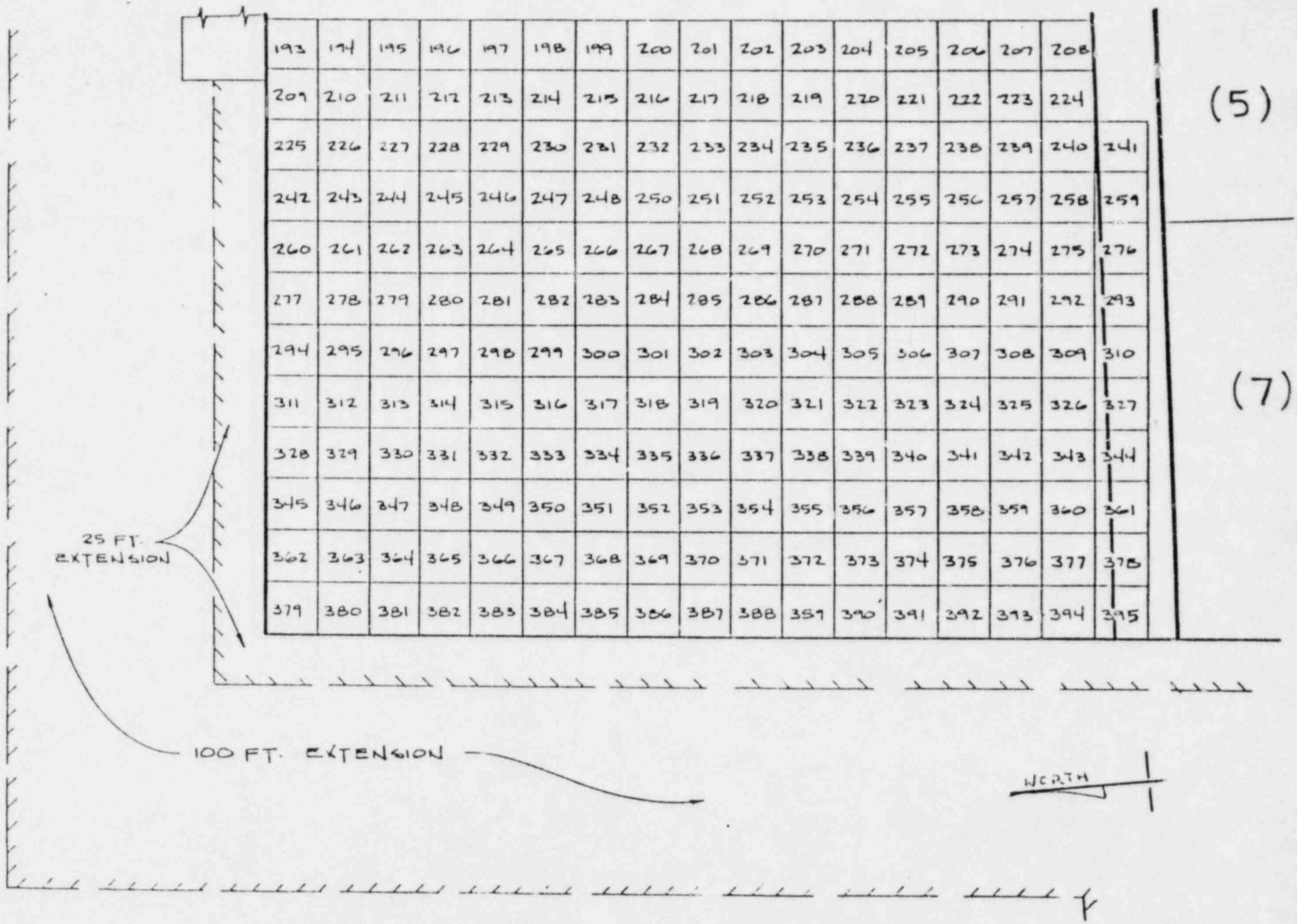
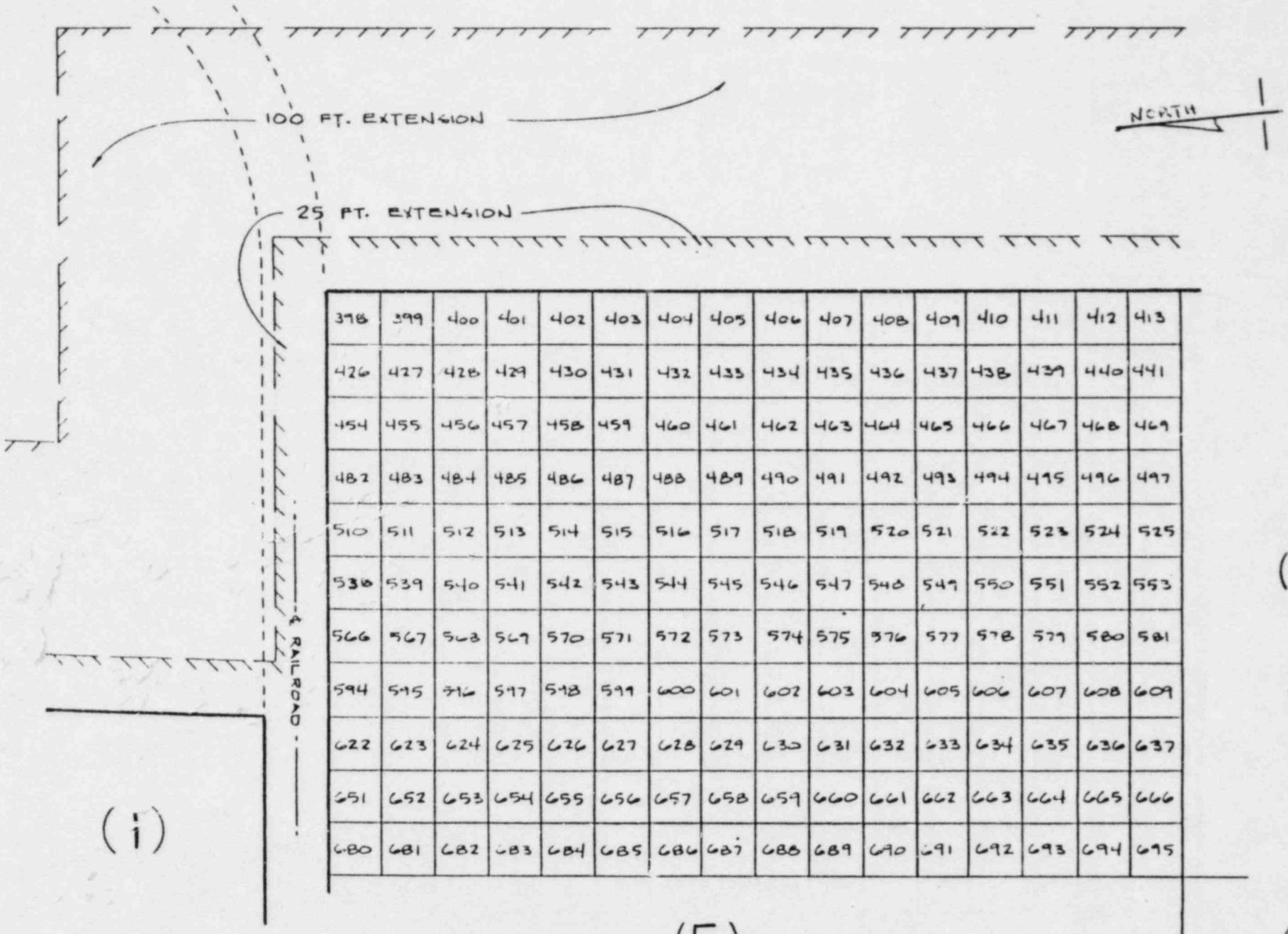

(1)
(5)
(7)
193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208
209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224
225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241
242 243 244 245 246 247 248 250 251 252 253 254 255 256 257 258 259
260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276
277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293
294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310
311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327
328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344
345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361
362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378
379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395
25 FT. EXTENSION
100 FT. EXTENSION
NORTH

FIG. 4.9. (2)



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482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497
510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525
538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553
566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581
594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609
622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637
651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666
680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695

FIG. 4.9.

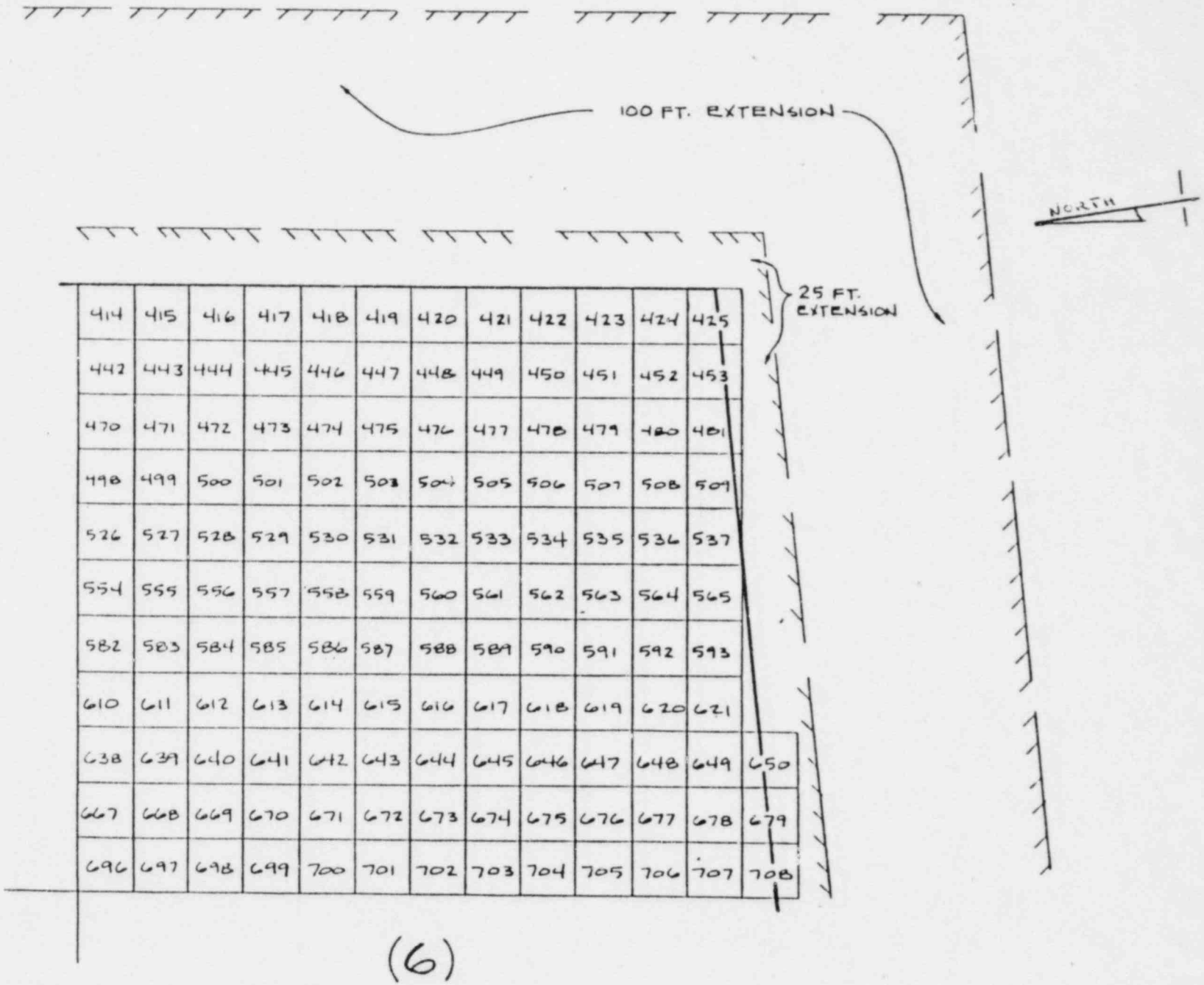

100 FT. EXTENSION
NORTH
25 FT. EXTENSION
414 415 416 417 418 419 420 421 422 423 424 425
442 443 444 445 446 447 448 449 450 451 452 453
470 471 472 473 474 475 476 477 478 479 480 481
498 499 500 501 502 503 504 505 506 507 508 509
526 527 528 529 530 531 532 533 534 535 536 537
554 555 556 557 558 559 560 561 562 563 564 565
582 583 584 585 586 587 588 589 590 591 592 593
610 611 612 613 614 615 616 617 618 619 620 621
638 639 640 641 642 643 644 645 646 647 648 649 650
667 668 669 670 671 672 673 674 675 676 677 678 679
696 697 698 699 700 701 702 703 704 705 706 707 708
(3)
(5)
(6)

FIG. 4.9.(4)

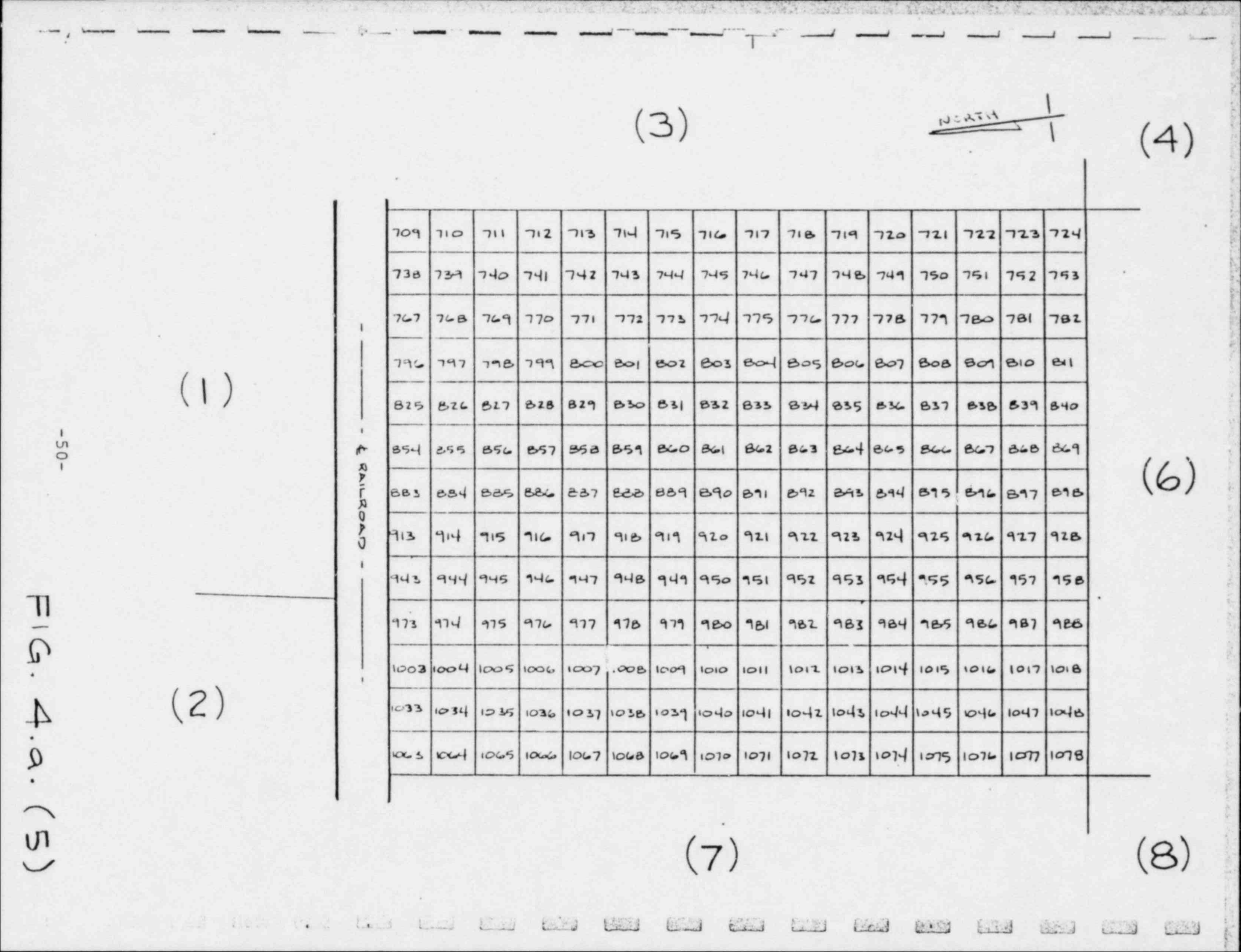

(3)
NORTH
(4)
(1)
(2)
(6)
(7)
(8)
RAILROAD
709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724
738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753
767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782
796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811
825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840
854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869
883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898
913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928
943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958
973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988
1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018
1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048
1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078

FIG. 4.9. (5)

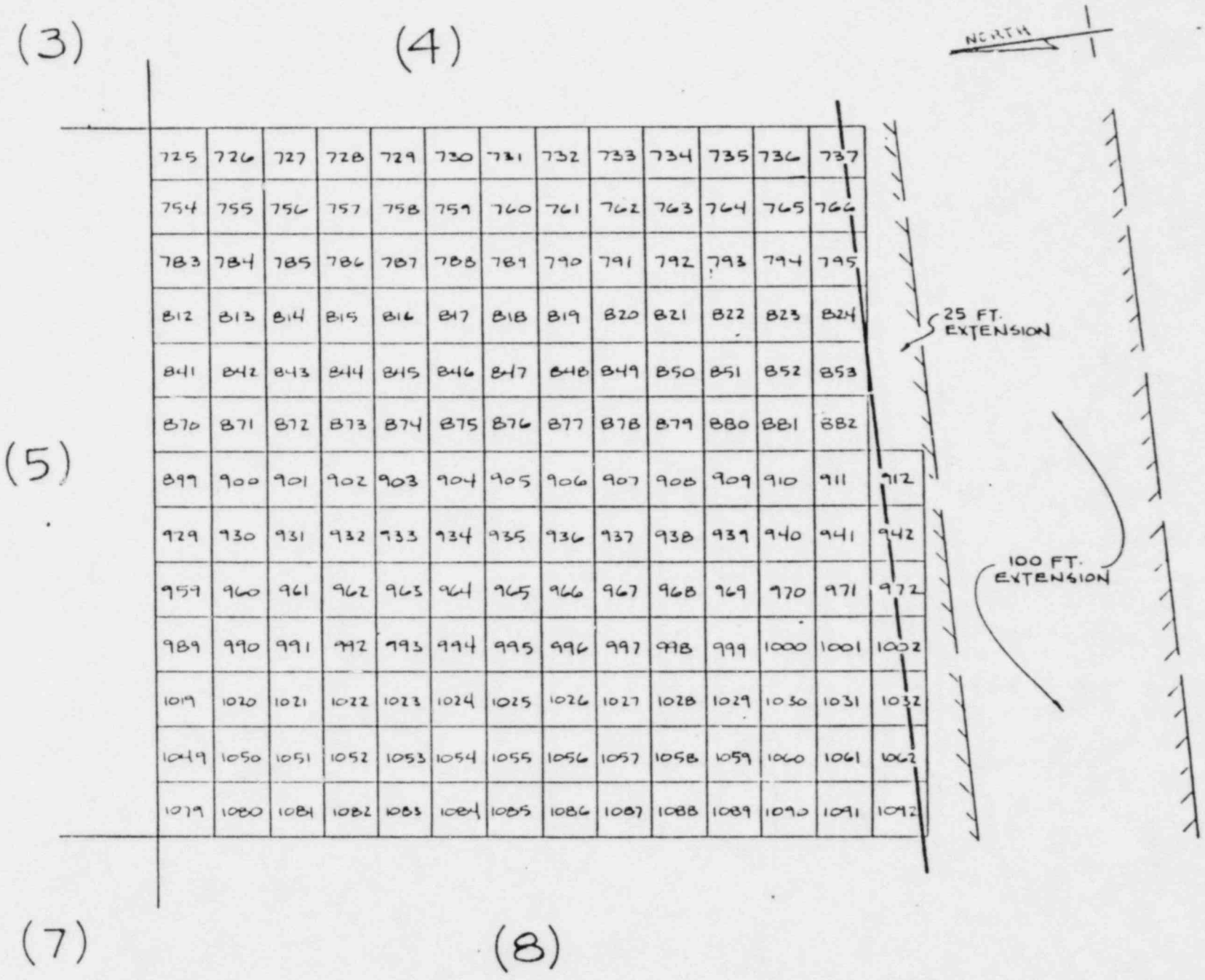

(3)
(4)
(5)
(7)
(8)
NORTH
25 FT. EXTENSION
100 FT. EXTENSION
725 726 727 728 729 730 731 732 733 734 735 736 737
754 755 756 757 758 759 760 761 762 763 764 765 766
783 784 785 786 787 788 789 790 791 792 793 794 795
812 813 814 815 816 817 818 819 820 821 822 823 824
841 842 843 844 845 846 847 848 849 850 851 852 853
870 871 872 873 874 875 876 877 878 879 880 881 882
899 900 901 902 903 904 905 906 907 908 909 910 911 912
929 930 931 932 933 934 935 936 937 938 939 940 941 942
959 960 961 962 963 964 965 966 967 968 969 970 971 972
989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002
1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032
1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062
1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092

FIG. 4.9. (6)

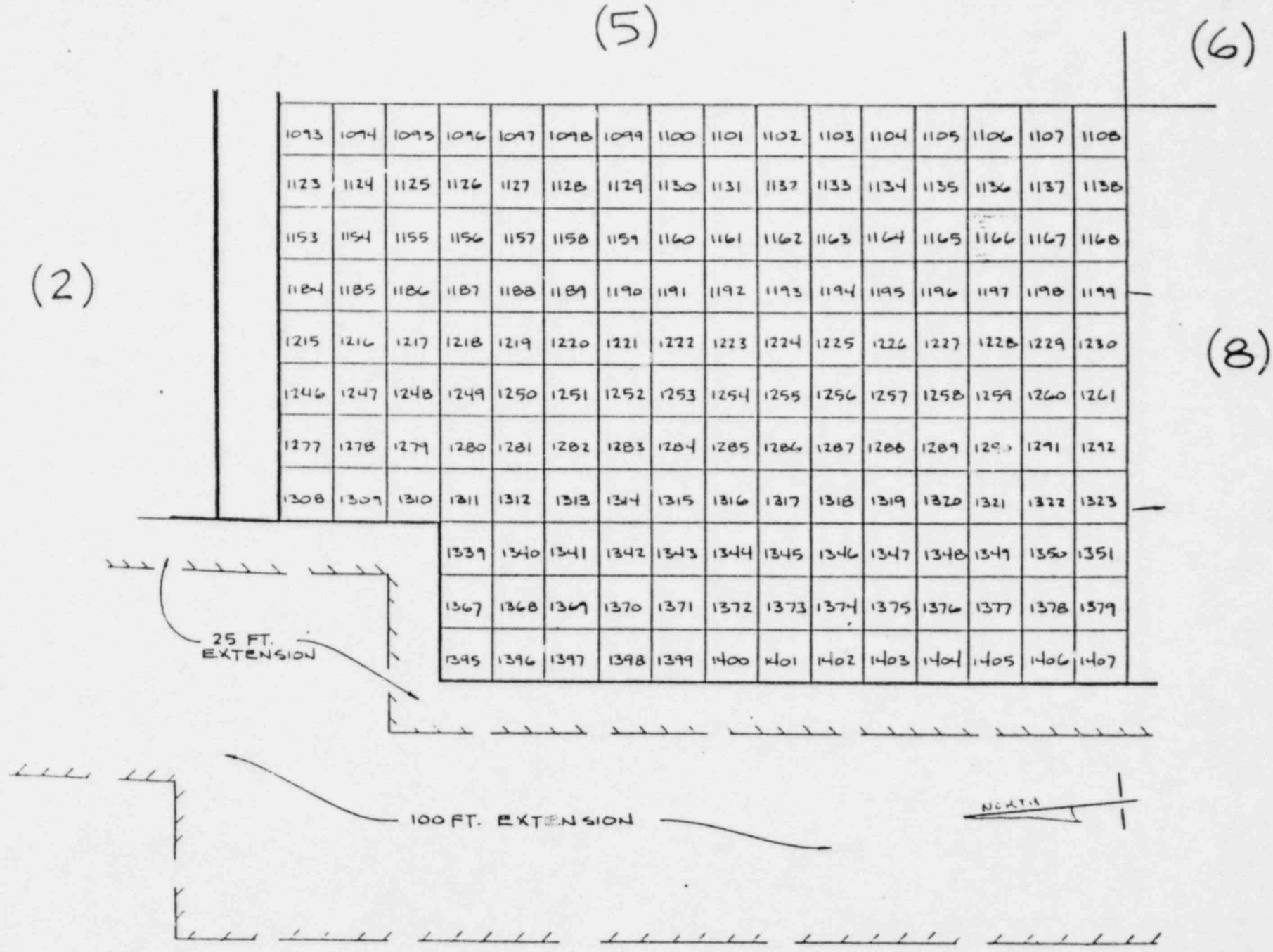

(5)
(6)
(2)
(8)
1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108
1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138
1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168
1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199
1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230
1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261
1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292
1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323
1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351
1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379
1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407
25 FT. EXTENSION
100 FT. EXTENSION
NORTH

FIG. 4.9.(7)

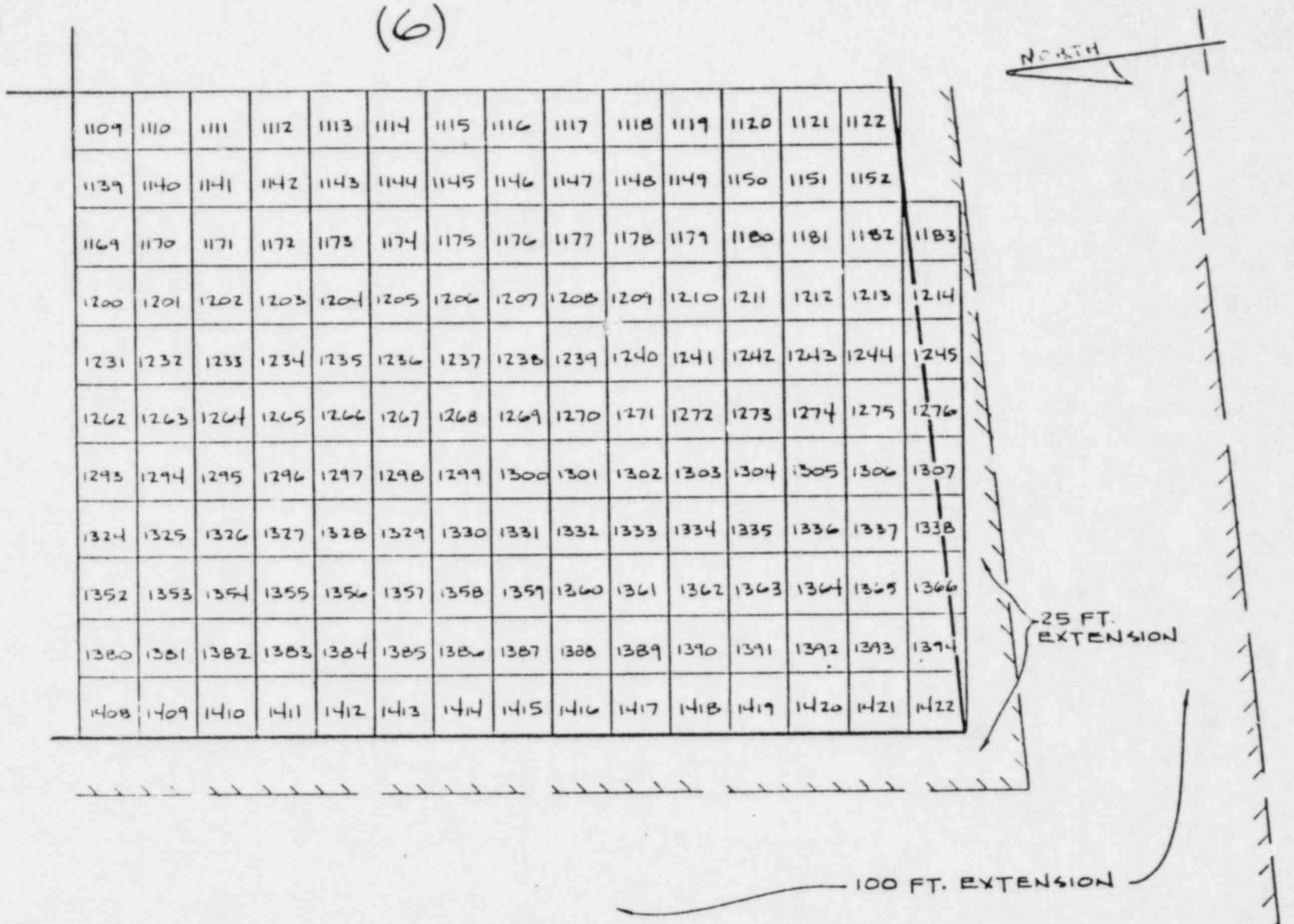

(5)
(6)
(7)
(8)
NORTH
1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122
1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152
1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183
1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214
1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245
1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276
1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307
1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338
1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366
1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394
1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422
25 FT. EXTENSION
100 FT. EXTENSION

FIG. 4.9.

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
With 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
1	110	60	26	60	40
2	160	70	27	70	55
3	190	75	28	90	40
4	195	50	29	75	35
5	140	60	30	28	20
6	185	70	31	48	25
7	120	50	32	120	60
8	50	40	33	130	45
9	65	40	34	70	40
10	60	40	35	60	40
11	200	120	36	140	45
12	320	145	37	80	40
13	140	120	38	130	65
14	37	25	39	120	70
15	18	15	40	42	35
16	38	25	41	41	30
17	120	40	42	80	40
18	145	55	43	28	20
19	165	50	44	41	20
20	180	55	45	35	25
21	175	60	46	60	35
22	195	65	47	36	20
23	120	70	48	31	20
24	75	45	49	130	50
25	95	45	50	100	50

Table 4.b(1)
Gamma Scan Measurements in K Counts Per Minute at Height of Six Inches with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
51	60	40	76	10	10
52	140	50	77	8	8
53	80	40	78	30	20
54	40	40	79	35	20
55	80	35	80	32	20
56	42	35	81	250	60
57	10	10	82	170	60
58	10	10	83	105	55
59	12	10	84	60	50
60	12	10	85	44	35
61	18	12	86	44	35
62	105	30	87	38	20
63	35	25	88	60	25
64	65	35	89	12	10
65	110	50	90	20	15
66	230	65	91	21	15
67	150	60	92	16	10
68	60	35	93	12	10
69	90	40	94	30	20
70	46	30	95	32	20
71	55	30	96	32	20
72	55	25	97	230	70
73	9	9	98	170	65
74	8	8	99	80	55
75	9	9	100	12	10

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
With 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
101	10	10	126	70	30
102	8	8	127	18	15
103	12	12	128	30	20
104	6	6	129	100	35
105	6	6	130	20	8
106	6	6	131	10	8
107	8	8	132	4.0	4.0
108	8	8	133	4.0	4.0
109	12	12	134	6	6
110	43	30	135	6	6
111	48	35	136	10	8
112	90	35	137	5.0	5.0
113	100	45	138	3.2	3.2
114	60	35	139	3.2	3.2
115	15	12	140	3.4	3.2
116	29	15	141	3.0	3.0
117	20	15	142	28	20
118	18	12	143	34	30
119	12	10	144	100	35
120	8	8	145	24	10
121	6	6	146	16	8
122	9	8	147	10	8
123	8	8	148	5.0	5.0
124	8	8	149	5.0	5.0
125	10	8	150	5.0	5.0

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
151	3.0	3.0	176	120	70
152	3.0	3.0	177	6	4.2
153	3.4	3.4	178	10	8
154	4.2	3.4	179	10	8
155	10	8	180	4.0	4.0
156	20	8	181	4.0	3.8
157	5	3.4	182	3.0	3.0
158	30	30	183	3.0	3.0
159	350	80	184	5.0	4.6
160	80	40	185	8	8
161	10	8.0	186	10	8
162	10	8.0	187	4.0	4.0
163	10	8.0	188	4.0	3.6
164	3.0	3.0	189	3.4	3.2
165	3.0	3.0	190	21	15
166	3.0	3.0	191	105	45
167	3.0	3.0	192	70	40
168	3.0	3.0	193	10	8
169	3.0	3.0	194	10	8
170	3.0	3.0	195	8	8
171	2.6	2.6	196	3.4	3.4
172	4.0	3.0	197	3.8	3.4
173	8	4.5	198	2.8	2.8
174	90	55	199	2.8	2.8
175	340	90	200	2.8	2.8

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
201	3.0	3.0	226	6	4.4
202	3.0	3.0	227	3.4	3.2
203	3.0	3.0	228	3.4	3.4
204	3.2	3.0	229	3.4	3.4
205	3.2	3.0	230	4.0	3.8
206	14	8	231	4.2	4.0
207	10	8	232	3.6	3.2
208	6	6	233	4.0	3.8
209	8	6	234	3.4	3.2
210	8	6	235	3.2	3.2
211	12	10	236	3.4	3.4
212	6	6	237	3.2	3.2
213	4.0	4.0	238	4.0	4.0
214	4.0	4.0	239	4.0	4.0
215	6	4.0	240	6.0	5.0
216	3.4	3.2	241	6.0	5.0
217	4.0	3.2	242	10	6
218	4.0	3.4	243	2.4	2.4
219	3.4	3.4	244	3.0	3.0
220	3.4	3.4	245	3.2	3.0
221	3.4	3.4	246	3.4	3.2
222	4.0	3.4	247	3.4	3.2
223	4.0	4.0	248	4.0	3.4
224	5	4.0	249	Does not exist	
225	8	6.0	250	4.2	3.2

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
251	3.4	3.4	276	4.0	3.2
252	2.6	2.6	277	8	3.6
253	2.8	2.8	278	3.0	3.0
254	2.8	2.8	279	3.2	3.0
255	3.0	3.0	280	2.6	2.6
256	3.2	3.2	281	2.4	2.4
257	4.0	3.4	282	2.4	2.4
258	4.0	3.6	283	2.4	2.4
259	4.0	3.4	284	2.6	2.6
260	10	6	285	3.0	3.0
261	2.6	2.6	286	2.8	2.8
262	2.6	2.6	287	2.6	2.6
263	2.8	2.6	288	3.0	2.8
264	3.0	3.0	289	3.2	3.0
265	2.6	2.6	290	2.4	2.4
266	2.6	2.6	291	2.6	2.6
267	2.8	2.8	292	4.0	3.6
368	2.8	2.8	293	3.8	3.6
269	3.0	3.0	294	8	3.4
270	2.8	2.8	295	2.8	2.8
271	2.8	2.8	296	2.6	2.6
272	2.2	2.2	297	3.0	3.0
273	2.6	2.6	298	3.0	2.8
274	2.6	2.6	299	2.8	2.8
275	3.2	3.2	300	2.6	2.6

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max	Ave	Grid #	Max	Ave
301	2.2	2.2	326	2.8	2.6
302	2.4	2.4	327	2.8	2.5
303	2.6	2.4	328	6	3.2
304	2.6	2.6	329	2.6	2.6
305	2.8	2.6	330	2.6	2.6
306	3.0	2.8	331	2.4	2.4
307	3.0	3.0	332	2.6	2.4
308	3.0	2.8	333	2.8	2.6
309	3.2	3.0	334	3.0	2.8
310	4.0	3.4	335	2.6	2.6
311	8	3.4	336	2.6	2.4
312	2.4	2.4	337	2.4	2.4
313	2.6	2.6	338	2.6	2.4
314	2.6	2.4	339	2.6	2.5
315	2.5	2.4	340	2.6	2.6
316	2.6	2.4	341	3.0	2.8
317	2.8	2.6	342	3.0	3.0
318	2.5	2.4	343	2.6	2.6
319	2.4	2.4	344	2.8	2.6
320	2.4	2.4	345	3.0	2.8
321	2.6	2.4	346	2.4	2.4
322	2.8	2.6	347	2.6	2.4
323	2.6	2.4	348	2.4	2.4
324	2.6	2.4	349	2.4	2.4
325	2.6	2.4	350	2.2	2.2

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
351	2.6	2.6	376	3.0	2.8
352	2.4	2.4	377	2.8	2.6
353	2.2	2.2	378	2.8	2.6
354	2.5	2.4	379	2.6	2.5
355	2.8	2.6	380	2.6	2.5
356	2.6	2.4	381	2.6	2.6
357	3.0	2.6	382	3.0	2.6
358	2.6	2.4	383	2.4	2.4
359	2.6	2.4	384	2.4	2.4
360	2.6	2.4	385	2.6	2.5
361	3.0	2.6	386	2.6	2.6
362	4.0	2.6	387	2.4	2.4
363	2.6	2.6	388	2.6	2.5
364	2.4	2.4	389	2.6	2.6
365	2.6	2.4	390	2.6	2.6
366	2.4	2.4	391	2.8	2.6
367	2.5	2.4	392	2.8	2.6
368	2.6	2.4	393	2.6	2.5
369	2.4	2.4	394	2.6	2.5
370	2.4	2.4	395	2.6	2.6
371	2.6	2.4	396	Grids do not exist	
372	2.6	2.4	397		
373	2.6	2.4	398	3.0	3.0
374	2.8	2.6	399	2.6	2.6
375	2.8	2.5	400	2.6	2.6

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
401	3.0	2.6	426	4.0	3.0
402	3.0	2.6	427	4.0	2.6
403	3.0	2.6	428	3.0	2.6
404	3.0	2.6	429	3.0	2.6
405	3.0	2.6	430	3.0	2.6
406	3.0	2.4	431	3.0	2.6
407	3.0	2.4	432	3.0	2.6
408	3.0	2.4	433	3.0	2.6
409	3.0	2.4	434	3.0	2.4
410	3.0	2.4	435	3.0	2.4
411	3.0	2.4	436	3.0	2.4
412	2.4	2.0	437	3.0	2.4
413	2.2	2.0	438	3.0	2.4
414	1.8	1.8	439	3.0	2.4
415	2.0	2.0	440	2.4	2.0
416	1.8	1.8	441	2.2	2.0
417	1.6	1.6	442	2.0	1.6
418	1.6	1.6	443	2.0	1.6
419	1.6	1.6	444	2.0	1.8
420	1.8	1.6	445	2.0	1.8
421	1.6	1.6	446	2.0	1.8
422	1.4	1.4	447	2.0	1.8
423	1.4	1.4	448	2.0	1.8
424	1.4	1.4	449	1.6	1.6
425	1.6	1.6	450	1.4	1.4

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
451	1.4	1.4	476	2.0	2.0
452	1.4	1.4	477	2.0	2.0
453	1.6	1.6	478	2.0	1.4
454	4.0	3.0	479	1.6	1.6
455	4.0	2.6	480	1.6	1.6
456	3.0	3.6	481	1.6	1.6
457	4.0	2.6	482	4.0	3.0
458	4.0	2.6	483	4.0	2.6
459	3.0	2.6	484	3.0	2.6
460	3.0	2.6	485	3.0	2.6
461	3.0	2.6	486	3.0	2.6
462	3.0	2.4	487	3.0	2.6
463	3.0	2.4	488	3.0	2.6
464	3.0	2.4	489	3.0	2.6
465	3.0	2.4	490	3.0	2.4
466	3.0	2.4	491	3.0	2.4
467	3.0	2.4	492	3.0	2.4
468	2.4	2.0	493	3.0	2.4
469	2.2	2.0	494	3.0	2.4
470	2.0	1.8	495	3.0	2.4
471	1.8	1.8	496	2.6	2.4
472	1.8	1.8	497	5.0	2.4
473	2.0	1.8	498	2.0	1.6
474	1.8	1.8	499	2.0	1.6
475	2.2	2.0	500	2.0	1.8

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
501	2.0	2.0	526	2.6	2.4
502	2.2	1.8	527	1.8	1.8
503	2.0	1.8	528	1.6	1.6
504	2.0	1.8	529	1.8	1.8
505	1.8	1.8	530	2.2	1.6
506	1.6	1.6	531	2.2	1.8
507	1.6	1.6	532	2.2	1.8
508	1.6	1.6	533	2.2	1.8
509	1.6	1.6	534	2.2	1.6
510	4.0	3.0	535	1.8	1.6
511	4.0	3.0	536	2.0	1.4
512	3.0	2.6	537	2.0	1.4
513	3.0	2.6	538	4.0	4.0
514	3.0	2.6	539	4.0	3.0
515	3.0	2.4	540	3.0	2.4
516	3.0	2.4	541	3.0	2.4
517	3 0	2.4	542	3.0	2.4
518	3.0	2.4	543	3.0	2.4
519	3.0	2.4	544	3.0	2.4
520	3.0	2.4	545	3.0	2.4
521	3.0	2.4	546	3.0	2.4
522	3.0	2.4	547	3.0	2.4
523	3.0	2.4	548	3.0	2.4
524	2.6	2.4	549	3.0	2.4
525	8	2.4	550	3.0	2.4

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
551	3.0	2.2	576	3.0	2.4
552	4.0	4.0	577	3.0	2.4
553	20.0	10.0	578	3.0	2.6
554	2.4	2.2	579	8	6
555	3.2	2.8	580	30	10
556	3.0	3.0	581	14	9
557	2.4	2.2	582	3.5	2.6
558	2.2	2.2	583	3.0	2.6
559	2.0	1.6	584	3.0	2.6
560	2.0	1.8	585	2.8	2.2
561	2.0	1.8	586	2.2	2.0
562	2.0	1.6	587	2.0	1.8
563	1.8	1.6	588	2.0	1.8
564	2.0	1.8	589	2.0	1.8
565	2.0	1.8	590	2.0	1.6
566	4.0	4.0	591	1.6	1.6
567	4.0	3.0	592	1.6	1.6
568	4.0	2.8	593	1.6	1.6
569	3.0	2.4	295	4.8	3.4
570	3.0	2.4	595	3.0	3.0
571	3.0	2.4	596	2.6	2.6
572	3.0	2.4	597	2.6	2.4*
573	3.0	2.4	598	1.8	1.8*
574	3.0	2.4	599	2.2	2.0*
575	3.0	2.4	600	2.0	2.0*

*In Bldg #3

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
601	2.0*	2.0*	626	2.0*	2.0*
602	1.8*	1.8*	627	2.0*	2.0*
603	2.0*	2.0*	628	1.8*	1.3*
604	6.0*	2.2*	629	2.0*	2.0*
605	2.6*	2.4*	630	1.8*	1.8*
606	2.6*	2.4*	631	2.0*	2.0*
607	8	6	632	2.2*	2.2*
608	5.0	3.0	633	11.0*	4.0*
609	5.0	3.0	634	50*	10*
610	20.0	8.0	635	320	3.4-320.
611	120	5.0	636	8.0	6.0
612	3.0	2.5	637	5.0	4.0
613	2.8	2.2	638	10	5.0
614	1.8	1.6	639	10	10
615	2.0	1.6	640	10	5.0
616	1.8	1.8	641	3.0	2.0
617	1.6	1.4	642	1.8	1.6
618	1.6	1.4	643	2.0	1.6
619	1.6	1.4	644	2.0	1.6
620	1.8	1.4	645	2.0	1.8
621	1.4	1.4	646	2.0	1.8
622	4.8	3.0	647	2.0	1.8
623	3.2	3.0	648	1.8	1.6
624	2.6	2.6	649	1.6	1.4
625	2.2*	2.2*	650	1.6	1.4

* In Bldg #3

Table 4b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
651	5.0	4.0	676	2.4	1.6
652	3.5	3.2	677	2.2	1.6
653	2.6	2.6	678	2.2	1.6
654	2.2*	2.2*	679	2.2	1.6
655	2.0*	2.0*	680	8	4.5
656	2.2*	2.2*	681	3.0	3.0
657	1.8*	1.8*	682	2.6	2.6
658	2.0*	2.0*	683	1.6*	1.6*
659	1.8*	1.8*	684	1.8*	1.8*
660	2.0*	2.0*	685	2.0*	2.0*
661	2.2*	2.2*	686	2.0*	2.0*
662	20*	10*	687	1.8*	1.8*
663	100*	40	688	2.2*	2.2*
664	190	40	689	2.0*	2.0*
665	25	8.0	690	3.6*	3.6*
666	12	7.0	691	90*	30*
667	3.0	3.0	692	340*	140*
668	3.0	3.0	693	26	15
669	3.0	2.8	694	6.0	4.0
670	3.0	2.8	695	6.0	4.5
671	3.0	2.8	696	3.0	3.0
672	3.0	2.6	697	3.0	2.8
673	2.6	1.8	698	2.6	2.6
674	2.0	1.8	699	2.6	2.4
675	2.0	1.8	700	2.6	2.4

*In Bldg #3

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
701	2.6	2.4	726	20	8
702	2.6	2.2	727	18	5.0
703	2.2	2.0	728	20	5.0
704	2.4	2.0	729	17.0	3.6
705	2.2	2.2	730	4.2	3.0
706	1.8	1.8	731	2.0	1.8
707	1.8	1.6	732	1.8	1.6
708	1.8	1.6	733	1.8	1.6
709	4.8	3.4	734	1.8	1.4
710	4.0	3.2	735	2.0	1.6
711	2.6	2.4	736	2.0	1.8
712	3.5*	2.2*	737	2.2	1.8
713	8.0*	3.4*	738	4.0	3.8
714	3.6*	3.2*	739	3.0	3.0
715	1.8*	1.8*	740	2.8	2.6
716	1.8*	1.8*	741	3.5*	2.8*
717	2.6*	2.4*	742	2.6*	2.4*
718	2.8*	2.6*	743	2.0*	2.0*
719	16*	3.4*	744	1.8*	1.8*
720	12*	4.5*	745	2.0*	2.0*
721	80*	6.0*	746	2.4*	2.2*
722	22	8.0	747	2.2*	2.2*
723	6.0	5.5	748	2.5*	2.4*
724	6.0	5.0	749	8*	6*
725	120	10	750	28*	10*

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
751	80	25	776	2.0*	2.0*
752	18	9.0	777	2.0*	2.0*
753	40	15	778	6 *	3.0*
754	43	7.0	779	8 *	4.0*
755	18	6.0	780	45	8.0
756	270	15.0	781	10	6.0
757	18	5.0	782	32	8.0
758	16	4.4	783	26	6.0
759	5	3.2	784	32	8.0
760	2.4	1.8	785	20	6.0
761	2.0	1.6	786	120	10.0
762	1.8	1.6	787	12	4.0
763	2.0	1.6	788	4	3.2
764	2.2	2.0	789	2.6	1.8
765	2.0	1.6	790	2.4	1.8
766	2.0	1.8	791	2.2	1.6
767	4.6	4.0	792	2.4	1.6
768	3.0	3.0	793	2.4	1.6
769	6.0	2.8	794	2.2	1.6
770	3.5*	3.2*	795	2.0	1.6
771	2.6*	2.4*	796	4.0	3.2
772	1.8*	1.8*	797	4.0	3.2
773	2.2*	2.2*	798	4.5	2.8
774	2.0*	2.0*	799	25*	3.4*
775	2.0*	2.0*	800	18*	2.6*

* In building #3

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max	Ave	Grid #	Max	Ave
801	2.6*	2.4*	826	4.0	3.8
802	2.2*	2.2*	827	4.5	3.8
803	1.6*	1.6*	828	10*	8*
804	1.8*	1.8*	829	10*	8*
805	1.8*	1.8*	830	2.6*	2.4*
806	1.8*	1.8*	831	2.2*	2.2*
807	3.0*	2.4*	832	1.8*	1.8*
808	40*	4.4*	833	2.2*	2.0*
809	32	8.0	834	1.8*	1.8*
810	10	6.0	835	1.8*	1.8*
811	15	6.0	836	4.0*	3.0*
812	27	4.0	837	4.0*	3.2*
813	47	5.5	838	10	8.0
814	13	3.4	839	8	4.4
815	14	3.8	840	6	4.2
816	4.0	3.2	841	29	4.4
817	4.6	3.2	842	8.5	3.2
818	2.6	1.8	843	8.0	3.2
819	2.4	2.0	844	26	5.5
820	2.2	2.2	845	6.0	3.0
821	2.4	2.2	846	6.0	3.2
822	2.6	2.0	847	5.5	3.0
823	2.0	1.4	848	2.4	2.0
824	2.0	1.4	849	2.6	2.2
825	4.0	3.2	850	2.6	2.2

* In Bldg. #3

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" x 1" NaI Detector

Grid #	Max δ	Ave δ	Grid #	Max δ	Ave δ
851	2.6	2.2	876	5	3.2
852	2.4	2.2	877	5.5	3.2
853	2.4	2.0	878	2.0	1.4
854	4.0	3.8	879	2.2	1.4
855	4.0	4.0	880	2.0	1.6
856	8	4.0	881	1.8	1.4
857	40*	3.6*	882	2.2	2.0
858	48*	4.0*	883	5.0	5.0
859	2.6*	2.6*	884	6.0	4.8
860	2.2*	2.2*	885	6.0	4.8
861	1.8*	1.8*	886	20	5.0
862	2.6*	2.2*	887	28	8
863	2.4*	2.2*	888	10	8
864	2.6*	2.2*	889	10	6
865	3.0*	2.8*	890	5.0	4.4
866	10*	3.4*	891	5.0	4.4
867	18	3.6	892	8	8
868	6	3.2	893	10	8
869	38	3.6	894	4.0	4.0
870	12	4.0	895	10	8
871	8	3.4	896	33	10
872	6	3.2	897	110	8
873	9	3.4	898	85	8
874	10	3.4	899	7.5	6
875	7	3.2	900	9	6

* In Bldg #3

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max	Ave	Grid #	Max	Ave
901	10	8	926	7	5.0
902	4.4	4.2	927	6	6.0
903	13	4.4	928	10	8
904	32	4.4	929	9	8
905	3.2	3.2	930	8	8
906	12	4.0	931	10	8
907	5.5	4.2	932	5	3.2
908	2.4	1.8	933	6	3.2
909	2.0	1.6	934	12	3.4
910	2.0	1.6	935	4.4	3.2
911	1.8	1.4	936	3.0	3.0
912	2.4	2.2	937	3.0	3.0
913	6	6	938	3.0	3.0
914	6	6	939	2.8	2.6
915	14	10	940	2.4	2.2
916	20	10	941	2.2	2.0
917	15	10	942	2.2	2.0
918	24	8	943	8	8
919	6	3.4	944	10	10
920	3.0	3.0	945	36	16
921	3.2	3.2	946	16	16
922	3.0	3.0	947	100	60
923	3.4	3.2	948	10	10
924	3.4	3.2	949	4.2	4.0
925	10	5.0	950	4.2	4.0

ATCO

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
951	4.4	4.2	976	38	20
952	4.0	4.0	977	135	70
953	5.0	5.0	978	130	60
954	5.0	5.0	979	8	6
955	6	5.5	980	5.0	5.0
956	14	8	981	4.6	4.6
957	5.0	5.0	982	5.0	4.6
958	14.0	8.0	983	6	5.0
959	10	6	984	8	8
960	5.0	5.0	985	10	10
961	12	5.5	986	14	8
962	5	4.0	987	6	6
963	21	4.0	988	130	8
964	12	4.0	989	32	8
965	3.6	3.2	990	46	8
966	4.0	3.2	991	10	3.6
967	3.2	3.2	992	21	4.2
968	2.7	2.5	993	15	3.6
969	2.6	2.4	994	8.5	3.4
970	2.5	2.4	995	14.7	3.2
971	2.4	2.2	996	4.8	3.4
972	2.2	2.2	997	3.0	3.0
973	8	6	998	3.4	3.0
974	16	8	999	2.6	2.4
975	22	8	1000	3.5	2.6

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
1001	2.2	2.2	10026	4.0	4.0
1002	2.0	2.0	1027	6	4.0
1003	8	6	1028	4	3.4
1004	20	8	1029	4.0	3.2
1005	20	8	1030	5.0	3.2
1006	100	10	1031	3.0	2.6
1007	140	50	1032	2.8	2.4
1008	100	50	1033	8	6
1009	10	8	1034	10	8
1010	4.6	4.4	1035	100	10
1011	4.2	4.2	1036	60	10
1012	6	6	1037	10	8
1013	6	6	1038	10	8
1014	6	6	1039	6	6
1015	12	10	1040	3.5	3.2
1016	6	6	1041	4.5	4.2
1017	3.5	3.5	1042	6	6
1018	10	4.4	1043	10	6
1019	18	4.4	1044	8	8
1020	20	5.0	1045	6	6
1021	12	4.2	1046	10	4.4
1022	30	4.4	1047	4.0	3.2
1023	16	4.6	1048	8	6
1024	5.0	4.4	1049	15	10
1025	8	4.6	1050	170	80

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
1051	12	8	1076	10	8
1052	8	8	1077	4.0	3.4
1053	11	4.8	1078	8	6
1054	12	6.0	1079	15	10
1055	9	5.0	1080	170	60
1056	85	5.0	1081	80	30
1057	18	5.0	1082	10	10
1058	20	4.0	1083	8	8
1059	3.0	3.0	1084	8	8
1060	4.0	3.4	1085	10	8
1061	5.0	3.6	1086	48	10
1062	3.0	3.0	1087	3.4	3.4
1063	8	6	1088	90	15
1064	120	10	1089	4.0	3.6
1065	120	10	1090	7	3.4
1066	20	10	1091	3.0	3.0
1067	8	8	1092	3.0	3.0
1068	8	7	1093	20	8
1069	6	6	1094	35	8
1070	4.0	3.6	1095	40	10
1071	5.0	4.4	1096	6	6
1072	8	6	1097	6	5.5
1073	10	8	1098	6	6
1074	7	7	1099	4.0	4.0
1075	8	8	1100	4.0	4.0

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max K	Ave K	Grid #	Max K	Ave K
1101	3.6	3.6	1126	8	8
1102	8	8	1127	6	6
1103	8	8	1128	6	6
1104	8	8	1129	4.0	4.0
1105	8	8	1130	4.0	4.0
1106	5.0	5.0	1131	4.0	4.0
1107	8	8	1132	8	8
1108	40	15	1133	8	8
1109	34	15	1134	8	8
1110	200	120	1135	8	8
1111	390	140	1136	8	8
1112	85	15	1137	12.5	10
1113	10	8	1138	46	15
1114	19	10	1139	15	15
1115	12	8	1140	95	40
1116	12	4.8	1141	140	80
1117	3.8	3.2	1142	225	140
1118	3.2	3.0	1143	14	6
1119	3.0	3.1	1144	28	6
1120	3.1	3.0	1145	20	6
1121	3.0	3.0	1146	12	4.0
1122	2.8	2.8	1147	3.6	3.4
1123	6	6	1148	3.0	3.0
1124	6	6	1149	3.2	3.2
1125	6	6	1150	3.1	3.1

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max δ	Ave δ	Grid #	Max δ	Ave δ
1151	2.8	2.4	1176	14	4.5
1152	2.0	2.0	1177	6	4.0
1153	6	6	1178	3.4	3.2
1154	30	6	1179	3.2	3.2
1155	6	6	1180	3.2	2.1
1156	6	6	1181	3.0	3.0
1157	6	6	1182	2.6	2.6
1158	6	6	1183	2.4	2.4
1159	6	6	1184	4.0	4.0
1160	6	6	1185	7	5.0
1161	6	6	1186	8	6.0
1162	8	8	1187	2.4*	2.4*
1163	8	8	1188	2.5*	2.5*
1164	8	8	1189	2.8*	2.6*
1165	10	10	1190	3.0*	3.0*
1166	6	6	1191	2.8*	2.8*
1167	22	10	1192	2.5*	2.5*
1168	18	10	1193	7*	6*
1169	20	12	1194	3.0*	3.0*
1170	70	60	1195	8	8
1171	35	30	1196	8	8
1172	60	50	1197	8	8
1173	43	35	1198	6	6
1174	49	6	1199	10	10
1175	14	5.5	1200	20	15

* In Bldg #4

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
1201	30	20	1226	8	8
1202	14	12	1227	6	6
1203	70	15	1228	6	6
1204	100	35	1229	8	8
1205	95	80	1230	9	8
1206	60	30	1231	40	15
1207	10	8	1232	15	15
1208	14	8	1233	15	15
1209	3.8	3.8	1234	100	20
1210	3.4	3.2	1235	85	20
1211	2.8	2.8	1236	20	18
1212	3.0	3.0	1237	14	14
1213	2.8	2.4	1238	8	8
1214	2.2	2.2	1239	15	8
1215	4.0	4.0	1240	15	9
1216	6.0	6.0	1241	14	4.5
1217	6.0	6.0	1242	16	5.0
1218	2.2*	2.2*	1243	2.4	2.4
1219	2.4*	2.4*	1244	2.2	2.2
1220	2.2*	2.2*	1245	2.0	2.0
1221	1.8*	1.8*	1246	4.0	4.0
1222	2.2*	2.2*	1247	5.0	5.0
1223	2.4*	2.4	1248	4.0	4.0
1224	14.5*	10	1249	2.6*	2.4*
1225	14.0*	10*	1250	1.8*	1.8*

*In Bldg #4

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max &	Ave &	Grid #	Max &	Ave &
1251	2.0*	2.0*	1276	26	20
1252	1.6*	1.6*	1277	5.0	5.0
1253	2.2*	2.2*	1278	5.0	5.0
1254	1.6*	1.6*	1279	5.0	5.0
1255	10.5*	8*	1280	2.0*	2.0*
1256	32*	15*	1281	2.0*	2.0*
1257	8	8	1282	1.8*	1.8*
1258	4.8	4.8	1283	3.0*	3.0*
1259	3.8	3.8	1284	2.0*	2.0*
1260	6.0	6.0	1285	10.0*	8
1261	3.5	3.5	1286	2.0*	2.0*
1262	5.5	5.0	1287	9.0*	8.0*
1263	8	8	1288	11.0	10
1264	22	8	1289	6	6
1265	23	12	1290	4.4	4.4
1266	12	5.0	1291	14	8
1267	12	5.0	1292	4.8	4.0
1268	16	4.8	1293	3.6	3.6
1269	16	4.4	1294	4.0	4.0
1270	16	4.8	1295	3.2	3.2
1271	10	8	1296	7	6
1272	12	8	1297	5.0	5.0
1273	10	10	1298	3.2	3.2
1274	9	9	1299	3.4	3.4
1275	28	18	1300	3.2	3.2

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
1301	3.2	3.2	1326	4.2	4.2
1302	2.8	2.8	1327	2.5	2.5
1303	3.2	3.2	1328	3.2	3.2
1304	3.4	3.4	1329	3.4	3.4
1305	7	6	1330	3.4	3.0
1306	18	18	1331	3.0	3.0
1307	32	22	1332	2.9	2.8
1308	4.0	4.0	1333	2.8	2.8
1309	4.0	4.0	1334	2.8	2.8
1310	4.0	4.0	1335	2.8	2.8
1311	2.0*	2.0*	1336	4.5	4.0
1312	2.0*	2.0*	1337	8	4.6
1313	2.0*	2.0*	1338	20	15
1314	3.4*	3.0*	1339	2.0	2.0
1315	3.0*	3.0*	1340	4.0	4.0
1316	3.0*	3.0*	1341	8.0	8.0
1317	4.2*	4.2*	1342	8.0	8.0
1318	46*	10*	1343	8.0	8.0
1319	18	10	1344	4.8	4.8
1320	4.2	4.2	1345	8.0	8.0
1321	4.4	4.4	1346	6.0	6.0
1322	5.0	4.4	1347	4.8	4.8
1323	3.4	3.4	1348	3.6	3.6
1324	3.8	3.8	1349	14	5.0
1325	4.0	4.0	1350	4.0	4.0

*In Bldg #4

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
1351	3.0	3.0	1376	5.0	5.0
1352	3.2	3.2	1377	8	5.0
1353	3.2	3.2	1378	6	5.0
1354	4.0	3.6	1379	3.6	3.6
1355	2.8	2.8	1380	3.2	3.2
1356	3.0	3.0	1381	3.0	3.0
1357	2.8	2.8	1382	3.6	3.2
1358	3.2	3.2	1383	3.0	3.0
1359	3.0	3.0	1384	3.0	3.0
1360	2.8	2.8	1385	2.8	2.8
1361	2.6	2.6	1386	3.4	3.4
1362	2.6	2.6	1387	3.1	3.1
1363	2.6	2.6	1388	2.8	2.8
1364	2.5	2.5	1389	2.6	2.6
1365	2.6	2.6	1390	2.6	2.6
1366	2.4	2.4	1391	2.5	2.5
1367	2.0	2.2	1392	2.5	2.5
1368	3.0	3.0	1393	2.6	2.6
1369	6.0	3.0	1394	2.4	2.4
1370	100.0	4.0	1395	2.4	2.4
1371	8	2.8	1396	2.2	2.2
1372	3.8	2.8	1397	3.0	3.0
1373	4.0	2.6	1398	3.0	3.0
1374	3.6	3.2	1399	6	4.0
1375	4.2	4.2	1400	2.8	2.8

Table 4.b(1)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
1401	2.6	2.6			
1402	3.6	3.6			
1403	3.4	3.4			
1404	5.0	3.2			
1405	8.0	3.2			
1406	6.0	3.2			
1407	4.4	3.2			
1408	3.2	3.2			
1409	3.0	3.0			
1410	2.8	2.8			
1411	2.6	2.6			
1412	2.4	2.4			
1413	2.6	2.6			
1414	2.6	2.6			
1415	2.4	2.4			
1416	2.2	2.2			
1417	3.0	2.4			
1418	2.8	2.4			
1419	2.4	2.4			
1420	2.2	2.2			
1421	2.0	2.0			
1422	2.2	2.2			

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
1	165.0	26	200.0
2	208.0	27	270.0
3	317.0	28	372.0
4	288.0	29	215.0
5	404.0	30	56.5
6	394.0	31	87.6
7	146.5	32	194.5
8	150.5	33	196.5
9	117.0	34	122.5
10	259.0	35	147.5
11	750*	36	154.5
12	900*	37	146.5
13	445.0	38	226.0
14	125.5	39	211.0
15	444.0	40	95.0
16	100.5	41	90.5
17	128.0	42	97.5
18	386.0	43	49.5
19	364.0	44	73.5
20	215.0	45	54.5
21	443.0	46	160.5
22	404.0	47	98.5
23	383.0	48	101.5
24	225.0	49	182.5
25	250.0	50	140.5

*Determined with E-120 W/HP 177 probe

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
51	124.5	76	22.5
52	165.0	77	20.5
53	111.5	78	87.5
54	118.5	79	140.5
55	193.5	80	76.0
56	79.5	81	585.0
57	23.5	82	430.0
58	20.5	83	173.5
59	22.5	84	118.5
60	27.5	85	107.0
61	27.4	86	66.5
62	203.0	87	45.0
63	119.5	88	46.0
64	94.5	89	25.5
65	211.0	90	41.0
66	314.0	91	40.0
67	184.5	92	32.5
68	96.5	93	26.5
69	142.5	94	85.5
70	123.5	95	120.5
71	117.5	96	86.4
72	87.5	97	551.0
73	16.5	98	399.0
74	17.0	99	399.0
75	20.5	100	44.0

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
101	33.5	126	59.0
102	32.0	127	47.0
103	30.0	128	83.5
104	14.5	129	171.5
105	14.5	130	31.5
106	17.5	131	16.0
107	17.0	132	17.5
108	18.5	133	20.0
109	24.5	134	19.5
110	74.0	135	16.7
111	105.5	136	11.5
112	117.5	137	12.2
113	178.5	138	13.5
114	116.5	139	14.0
115	35.5	140	17.0
116	19.5	141	18.5
117	20.0	142	59.5
118	25.5	143	71.5
119	30.5	144	227.0
120	17.0	145	45.5
121	15.0	146	29.0
122	17.0	147	14.0
123	17.0	148	15.0
124	18.0	149	24.0
125	20.0	150	23.5

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
151	15.6	176	185.5
152	11.0	177	20.2
153	12.1	178	20.1
154	11.6	179	17.2
155	13.0	180	12.0
156	19.5	181	11.9
157	21.0	182	11.7
158	58.5	183	11.3
159	429.0	184	12.0
160	121.5	185	12.6
161	20.9	186	11.5
162	19.1	187	10.0
163	17.0	188	15.4
164	13.0	189	22.4
165	12.9	190	71.5
166	13.5	191	213.0
167	14.0	192	157.5
168	14.0	193	19.1
169	10.8	194	17.8
170	11.9	195	16.7
171	12.7	196	15.9
172	15.0	197	12.6
173	24.5	198	12.0
174	179.0	199	12.2
175	637.5*	200	11.9

*Determined with E-120 W/HP177 Probe

Table 4.b(2)
Dose Rate At One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
201	12.3	226	16.5
202	11.3	227	16.5
203	11.3	228	16.3
204	11.1	229	19.9
205	14.4	230	16.4
206	20.0	231	16.7
207	35.9	232	15.6
208	32.3	233	16.3
209	19.0	234	15.0
210	16.8	235	13.3
211	16.8	236	13.3
212	16.8	237	10.5
213	13.3	238	10.8
214	11.6	239	13.3
215	12.3	240	13.0
216	12.4	241	11.9
217	12.2	242	16.0
218	11.4	243	15.4
219	11.5	244	16.0
220	10.9	245	15.2
221	13.0	246	15.2
222	15.8	247	15.9
223	16.2	248	14.7
224	14.1	249	Grid does not exist
225	20.5	250	14.3

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
251	15.0	276	11.7
252	15.8	277	16.2
253	14.3	278	13.9
254	12.2	279	12.1
255	12.9	280	10.3
256	13.9	281	10.0
257	12.5	282	10.9
258	13.7	283	10.4
259	14.1	284	10.7
260	22.5	285	11.2
261	16.8	286	10.4
262	10.4	287	10.4
263	10.2	288	10.8
264	11.1	289	12.6
265	10.5	290	11.6
266	10.4	291	11.9
267	11.5	292	12.0
268	12.2	293	11.4
269	10.9	294	24.8
270	10.1	295	13.8
271	10.0	296	13.8
272	11.4	297	11.3
273	13.8	298	10.0
274	13.0	299	10.0
275	12.0	300	10.7

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
301	12.9	326	10.2
302	13.0	327	10.4
303	13.2	328	13.4
304	12.9	329	13.4
305	12.2	330	15.0
306	11.5	331	11.2
307	11.2	332	13.7
308	11.6	333	13.4
309	11.2	334	12.6
310	10.5	335	13.6
311	19.4	336	13.1
312	13.9	337	13.3
313	14.0	338	16.7
314	11.4	339	14.4
315	11.8	340	15.5
316	10.7	341	13.3
317	12.6	342	15.6
318	13.6	343	14.4
319	13.5	344	13.1
320	13.4	345	16.9
321	12.5	346	13.5
322	12.3	347	15.2
323	12.2	348	15.9
324	12.9	349	19.6
325	11.9	350	12.8

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
351	14.2	376	18.2
352	14.4	377	25.6
353	14.5	378	27.2
354	14.6	379	11.7
355	17.4	380	11.9
356	15.0	381	11.6
357	14.8	382	11.7
358	14.8	383	9.5
359	14.9	384	10.3
360	14.2	385	9.4
361	16.7	386	10.5
362	12.0	387	9.8
363	11.8	388	10.3
364	11.9	389	12.3
365	13.2	390	11.9
366	10.4	391	22.0
367	9.6	392	18.1
368	9.3	393	17.5
369	9.4	394	20.1
370	11.4	395	99.5
371	14.5	396	Does not exist
372	15.3	397	Does not exist
373	14.8	398	11.6
374	15.4	399	12.2
375	17.9	400	12.6

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
401	11.8	426	11.6
402	11.8	427	12.0
403	11.8	428	10.9
404	12.0	429	11.2
405	12.0	430	11.5
406	12.6	431	11.0
407	11.2	432	11.4
408	11.8	433	11.5
409	1.2	434	11.8
410	11.2	435	12.0
411	11.3	436	12.0
412	11.0	437	10.5
413	11.0	438	10.5
414	10.4	439	10.2
415	11.0	440	11.0
416	11.4	441	11.0
417	12.0	442	11.5
418	12.0	443	12.0
419	11.6	444	12.2
420	11.6	445	11.6
421	12.0	446	11.8
422	11.8	447	11.2
423	12.2	448	12.0
424	12.0	449	12.0
425	11.6	450	11.2

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
451	12.0	476	12.0
452	12.4	477	11.6
453	12.0	478	12.2
454	13.0	479	12.2
455	11.0	480	11.8
456	12.5	481	12.0
457	12.4	482	12.8
458	12.5	483	12.6
459	12.3	484	13.0
460	12.4	485	14.0
461	12.5	486	13.0
462	12.5	487	12.6
463	12.2	488	13.0
464	12.3	489	12.0
465	12.0	490	10.8
466	12.2	491	10.1
467	10.2	492	10.4
468	11.6	493	10.6
469	11.4	494	11.0
470	11.6	495	11.2
471	11.0	496	12.0
472	11.2	497	12.2
473	11.0	498	12.0
474	11.6	499	11.8
475	12.0	500	11.4

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
501	11.6	526	13.0
502	12.0	527	12.4
503	12.2	528	12.0
504	11.8	529	12.2
505	12.0	530	12.0
506	12.0	531	11.8
507	11.4	532	12.2
508	12.0	533	12.4
509	11.4	534	12.6
510	13.4	535	11.6
511	12.5	536	11.0
512	12.6	537	11.0
513	14.4	538	13.4
514	12.4	539	13.8
515	12.8	540	14.5
516	13.8	541	14.8
517	13.0	542	14.1
518	11.0	543	14.0
519	10.2	544	13.8
520	10.2	545	12.5
521	10.2	546	11.2
522	10.6	547	10.4
523	11.3	548	10.2
524	12.0	549	11.0
525	13.6	550	10.8

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
551	11.4	576	10.6
552	16.0	577	11.5
553	20.0	578	11.2
554	12.4	579	12.9
555	14.0	580	22.9
556	13.2	581	35.0
557	11.8	582	16.0
558	12.0	583	12.8
559	12.0	584	12.4
560	11.8	585	12.2
561	11.5	586	12.8
562	11.6	587	12.0
563	11.4	588	11.6
564	11.6	589	11.6
565	11.6	590	11.4
566	12.0	591	11.6
567	16.0	592	11.6
568	14.3	593	11.4
569	14.4	594	16.5
570	14.2	595	14.3
571	13.6	596	13.8
572	13.0	597	9.7*
573	12.5	598	9.2*
574	12.0	599	6.5*
575	12.8	600	6.5*

*In Bldg #3

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
601	7.3*	626	8.9*
602	7.8*	627	9.5*
603	9.9*	628	8.8*
604	9.6*	629	8.4*
605	10.2*	630	7.9*
606	13.3*	631	8.2*
607	18.5	632	9.3*
608	15.0	633	23.1*
609	15.5	634	29.9
610	40	635	302
611	215	636	45.0
612	13.0	637	45.0
613	12.8	638	38.0
614	12.2	639	35.0
615	12.5	640	35.0
616	11.6	641	16.0
617	11.6	642	12.0
618	11.0	643	11.6
619	11.4	644	11.0
620	11.4	645	12.2
621	11.2	646	12.0
622	14.0	647	12.4
623	14.0	648	12.0
624	11.5	649	11.4
625	9.1*	650	10.8

*In Bldg #3

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
651	14.3	676	11.8
652	12.3	677	11.8
653	12.2	678	12.0
654	9.0*	679	11.6
655	8.9*	680	13.2
656	9.4*	681	13.7
657	7.5*	682	11.4
658	8.8*	683	8.0*
659	9.6*	684	8.8*
660	7.9*	685	8.3*
661	7.0*	686	8.4*
662	44.1*	687	9.5*
663	205*	688	9.5*
664	572	689	7.0*
665	202	690	8.2*
666	39	691	140.8*
667	11.6	692	451*
668	12.2	693	97
669	12.2	694	58
670	13.0	695	25.0
671	11.8	696	12.6
672	11.0	697	12.0
673	11.6	698	12.0
674	12.2	699	11.4
675	12.0	700	11.4

*In Bldg. #3

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
701	11.5	726	40.5
702	12.0	727	44.2
703	12.0	728	39.5
704	12.0	729	35.5
705	12.2	730	17.8
706	11.4	731	11.5
707	11.4	732.	11.5
708	11.4	733	11.0
709	13.7	734	11.6
710	12.8	735	11.6
711	12.0	736	12.0
712	12.8*	737	12.0
713	16.5*	738	13.5
714	13.7*	739	11.6
715	9.9*	740	12.7
716	9.6*	741	9.5*
717	10.8*	742	12.0*
718	11.8*	743	9.4*
719	13.1*	744	9.0*
720	13.3*	745	9.0*
721	114.6*	746	10.7*
722	93.5	747	11.2*
723	84.4	748	10.8*
724	66.0	749	10.9*
725	117.5	750	75.5*

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
751	28.3	776	9.5*
752	67.5	777	10.8*
753	92.0	778	11.2*
754	66.8	779	26.4*
755	58.2	780	120
756	53.6	781	78.0
757	49.5	782	62.5
758	42.4	783	53.5
759	18.0	784	55.0
760	12.2	785	50.7
761	11.6	786	35.5
762	11.4	787	33.5
763	12.0	788	16.0
764	12.0	789	13.0
765	11.8	790	12.6
766	11.8	791	12.0
767	14.8	792	12.2
768	13.2	793	12.0
769	12.8	794	11.6
770	11.8*	795	11.6
771	12.1*	796	13.7
772	9.2*	797	12.7
773	9.5*	798	15.8
774	9.7*	799	29.6*
775	10.2*	800	29.9*

*In Bldg #3

ATC(F

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
801	11.0*	826	12.7
802	10.3*	827	15.8
803	9.5*	828	22.9*
804	9.3*	829	18.5*
805	9.6*	830	9.7*
806	11.5*	831	10.2*
807	9.4*	832	9.9*
808	30.2*	833	9.7*
809	90.7	834	10.3*
810	68.3	835	9.9*
811	60.4	836	10.0*
812	59.5	837	11.3*
813	53.0	838	55.0
814	24.6	839	36.0
815	22.4	840	38.3
816	13.2	841	31.5
817	14.8	842	19.8
818	12.8	843	16.8
819	13.0	844	24.8
820	11.8	845	13.2
821	11.4	846	14.2
822	12.0	847	14.0
823	11.4	848	11.8
824	11.2	849	12.2
825	13.7	850	12.0

*In Bldg #3

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
851	12.0	876	13.8
852	11.5	877	15.0
853	11.4	878	12.0
854	14.8	879	11.6
855	15.8	880	11.8
856	23.8	881	11.6
857	90.2*	882	12.0
858	90.8*	883	15.4
859	9.7*	884	16.2
860	10.5*	885	23.0
861	9.4*	886	62.1
862	9.4*	887	56.5
863	9.2*	888	13.2
864	8.9*	889	14.0
865	10.4*	890	13.2
866	11.9*	891	12.6
867	32.8	892	13.2
868	14.8	893	12.6
869	21.3	894	24.0
870	23.8	895	30.6
871	18.0	896	37.8
872	15.4	897	18.0
873	19.1	898	24.5
874	16.2	899	20.5
875	15.8	900	27.0

*In Bldg #3

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
901	23.6	926	15.8
902	15.0	927	14.2
903	14.0	928	20.2
904	14.8	929	24.1
905	12.3	930	21.8
906	15.4	931	23.1
907	15.4	932	17.5
908	11.4	933	18.0
909	12.0	934	20.0
910	12.0	935	14.0
911	12.0	936	11.8
912	11.5	937	10.9
913	16.1	938	11.5
914	16.1	939	10.2
915	29.5	940	10.4
916	55.5	941	11.2
917	47.2	942	10.0
918	14.2	943	21.2
919	12.2	944	25.5
920	12.0	945	52.7
921	12.2	946	164
922	13.4	947	380
923	13.8	948	18.8
924	16.2	949	15.2
925	19.2	950	15.5

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
951	16.1	976	52.5
952	13.6	977	226
953	15.3	978	121.5
954	24.5	979	18.5
955	29.8	980	15.8
956	34.4	981	16.8
957	13.6	982	16.8
958	26.3	983	17.2
959	28.2	984	29.2
960	14.9	985	40.5
961	23.5	986	30.0
962	17.1	987	14.3
963	27.8	988	22.8
964	23.8	989	52.9
965	13.0	990	57.8
966	14.2	991	24.5
967	11.2	992	21.2
968	11.0	993	19.1
969	10.2	934	16.5
970	10.5	995	14.6
971	10.2	996	15.2
972	10.2	997	11.0
973	26.5	998	11.2
974	34.6	999	10.4
975	62.5	1000	10.2

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
1001	10.2	1026	13.8
1002	10.0	1027	13.5
1003	18.6	1028	13.9
1004	60.5	1029	14.1
1005	64.5	1030	14.9
1006	207	1031	12.7
1007	360	1032	12.6
1008	220	1033	15.1
1009	32.5	1034	181.5
1010	16.5	1035	40.5
1011	17.8	1036	48.2
1012	18.7	1037	64.5
1013	23.5	1038	29.8
1014	22.2	1039	25.2
1015	22.4	1040	16.8
1016	16.0	1041	19.5
1017	13.4	1042	25.1
1018	23.9	1043	24.2
1019	50.5	1044	24.8
1020	50.5	1045	20.7
1021	26.9	1046	22.5
1022	23.3	1047	14.9
1023	24.0	1048	29.0
1024	16.9	1049	44.2
1025	19.3	1050	28.8

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
1051	26.8	1076	25.7
1052	21.0	1077	12.9
1053	22.3	1078	15.7
1054	24.2	1079	35.4
1055	23.2	1080	288
1056	23.8	1081	134.7
1057	24.7	1082	23.9
1058	24.7	1083	22.2
1059	12.3	1084	18.2
1060	13.9	1085	22.7
1061	13.9	1086	15.8
1062	12.8	1087	13.2
1063	18.0	1088	18.6
1064	20.0	1089	14.2
1065	28.0	1090	15.4
1066	23.5	1091	13.7
1067	27.4	1092	13.3
1068	17.2	1093	30.2
1069	16.1	1094	25.2
1070	18.1	1095	24.2
1071	18.0	1096	26.4
1072	25.2	1097	30.3
1073	25.1	1098	17.4
1074	24.2	1099	15.9
1075	30.0	1100	16.6

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
1101	17.6	1126	25.0
1102	27.5	1127	26.2
1103	29.6	1128	18.1
1104	28.5	1129	21.6
1105	26.0	1130	14.3
1106	18.5	1131	16.1
1107	19.5	1132	32.3
1108	19.7	1133	30.1
1109	54.0	1134	22.1
1110	270	1135	23.5
1111	212.5	1136	22.5
1112	103.5	1137	24.5
1113	30.2	1138	41.5
1114	27.5	1139	36.5
1115	21.8	1140	141.5
1116	23.3	1141	197.0
1117	13.2	1142	187.5
1118	13.2	1143	27.5
1119	12.4	1144	35.5
1120	12.8	1145	23.0
1121	12.1	1146	21.5
1122	12.2	1147	15.4
1123	16.2	1148	13.5
1124	21.8	1149	12.2
1125	22.0	1150	12.4

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
1151	12.0	1176	24.5
1152	15.2	1177	18.2
1153	17.0	1178	15.2
1154	24.6	1179	13.0
1155	20.2	1180	12.8
1156	22.1	1181	12.2
1157	22.4	1182	12.0
1158	19.4	1183	11.8
1159	19.2	1184	15.4
1160	16.1	1185	16.0
1161	17.4	1186	16.4
1162	18.2	1187	12.1*
1163	19.4	1188	11.3*
1164	20.8	1189	9.2*
1165	23.5	1190	10.8*
1166	17.2	1191	11.2*
1167	39.2	1192	12.0*
1168	32.5	1193	13.8*
1169	39.1	1194	15.8*
1170	65.8	1195	21.9
1171	33.5	1196	20.9
1172	45.5	1197	15.9
1173	57.8	1198	20.2
1174	16.0	1199	30.2
1175	28.2	1200	37.7

* In Bldg #4

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
1201	43.5	1226	23.6
1202	56.8	1227	15.2
1203	99.5	1228	19.9
1204	92.8	1229	24.2
1205	71.2	1230	28.9
1206	76.8	1231	35.2
1207	23.5	1232	32.8
1208	21.5	1233	30.8
1209	15.2	1234	56.5
1210	14.5	1235	70.0
1211	12.8	1236	42.0
1212	12.0	1237	22.8
1213	12.2	1238	21.5
1214	12.0	1239	20.0
1215	15.9	1240	20.8
1216	16.0	1241	15.4
1217	16.2	1242	14.8
1218	10.2*	1243	13.2
1219	10.4*	1244	12.0
1220	9.3*	1245	11.2
1221	10.2*	1246	15.0
1222	9.6*	1247	15.8
1223	11.3*	1248	16.0
1224	15.0*	1249	10.0*
1225	19.8*	1250	9.9*

*In Bldg #4

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
1251	9.1*	1276	50.5
1252	9.0*	1277	14.8
1253	8.9*	1278	15.0
1254	9.2*	1279	15.1
1255	16.3*	1280	10.5*
1256	23.2*	1281	10.7*
1257	29.9	1282	9.9*
1258	17.7	1283	9.9*
1259	16.4	1284	11.7*
1260	19.2	1285	9.6*
1261	14.8	1286	8.0*
1262	17.5	1287	19.6*
1263	18.5	1288	24.9
1264	17.2	1289	16.1
1265	42.1	1290	15.0
1266	16.5	1291	27.3
1267	15.1	1292	15.2
1268	16.9	1293	15.9
1269	16.5	1294	12.0
1270	17.8	1295	12.5
1271	16.5	1296	18.5
1272	17.0	1297	17.5
1273	34.5	1298	13.8
1274	36.1	1299	15.1
1275	52.2	1300	12.9

*In Bldg #4

ATC(R

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
1301	13.4	1326	14.6
1302	13.2	1327	13.1
1303	14.0	1328	13.4
1304	15.4	1329	13.5
1305	18.2	1330	14.2
1306	45.0	1331	13.5
1307	51.0	1332	13.2
1308	15.0	1333	12.2
1309	14.8	1334	12.5
1310	14.4	1335	13.6
1311	10.2*	1336	15.6
1312	10.7*	1337	21.4
1313	10.1*	1338	34.6
1314	11.6*	1339	12.1
1315	12.1*	1340	15.6
1316	11.7*	1341	24.5
1317	9.2	1342	21.2
1318	25.5*	1343	32.4
1319	32.7*	1344	25.5
1320	16.3	1345	24.2
1321	14.7	1346	24.5
1322	15.8	1347	16.1
1323	16.0	1348	13.3
1324	16.3	1349	27.4
1325	14.0	1350	14.7

*In Bldg. #4

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
1351	12.5	1376	16.0
1352	12.9	1377	19.6
1353	13.4	1378	18.9
1354	12.2	1379	14.1
1355	12.5	1380	12.5
1356	12.8	1381	12.1
1357	11.4	1382	13.8
1358	12.4	1383	13.2
1359	11.0	1384	12.8
1360	12.0	1385	12.0
1361	10.4	1386	12.8
1362	10.2	1387	12.2
1363	11.5	1388	11.9
1364	10.8	1389	10.5
1365	11.0	1390	9.4
1366	10.0	1391	10.2
1367	12.2	1392	11.1
1368	14.8	1393	10.2
1369	20.1	1394	10.1
1370	34.4	1395	11.6
1371	41.8	1396	11.8
1372	19.0	1397	14.0
1373	16.0	1398	17.0
1374	16.3	1399	15.0
1375	15.1	1400	14.2

Table 4.b(2)
Dose Rate at One Meter in μR Per Hour

Grid #	RSS-111	Grid #	RSS-111
1401	13.0		
1402	14.1		
1403	15.0		
1404	16.1		
1405	17.4		
1406	16.2		
1407	15.1		
1408	14.0		
1409	13.2		
1410	12.8		
1411	12.2		
1412	12.4		
1413	11.4		
141	11.8		
141	11.0		
1416	11.6		
1417	12.0		
1418	11.6		
1419	10.4		
1420	10.6		
1421	10.8		
1422	10.0		

Table 4b (4)
Gamma Scan Measurements in K Counts
Per Minute at Height of Six Inches
With 1" X 1" NaI Detector

Grid #	Max K	Ave K	Grid #	Max K	Ave K
N-16	42	40	Grid South of N-378	8	8
N-32	80	75	Grid South of N-395	120	8
N-48	95	90			
N-64	48	45			
N-80	120	80			
N-96	60	50			
N-112	110	100			
N-128	140	100			
N-144	120	100			
N-160	140	100			
N-176	120	100			
N-192	140	100			
N-208	160	110			
N-224	160	120			
N-241	120	50			
N-259	14	5.0			
N-276	7.0	5.0			
N-293	7.0	5.0			
N-310	5.5	5.0			
N-327	4.4	4.4			
N-344	4.4	4.4			
N-361	14	6.0			
N-378	6.0	6.0			
N-395	120	8.0			

TABLE 4b (5)
Dose Rate in μR Per Hours
at One Meter at Railroad Siding

Grid #	RSS-111	Grid #	RSS-111
N-16	127.0	Grid South of N-378	16.2
N-32	169.0	Grid South of N-395	107.2
N-48	139.0		
N-64	115.5		
N-80	158.0		
N-96	153.0		
N-112	207.0		
N-128	162.0		
N-144	117.5		
N-160	104.5		
N-176	81.5		
N-192	207.0		
N-208	250.0		
N-224	353.0		
N-241	305.0		
N-259	17.5		
N-276	14.5		
N-293	11.8		
N-310	10.7		
N-327	11.5		
N-344	13.4		
N-361	28.1		
N-378	16.0		
N-395	29.2		

Table 4.b(6)
Gamma Scan Measurements in the Twenty-Five Foot Extension Area in K Counts Per Minute with 1" X 1" NaI Detector

Grid #	Max	Ave	Grid #	Max	Ave
Corner of 1	10	5.0	N-398	2.8	2.8
E-1	85	6.0	Corner of 398	2.4	2.4
E-2	55	8.0	E-398	2.5	2.4
E-3	60	8.0	E-399	2.8	2.6
E-4	50	8.0	E-400	3.0	2.6
E-5	60	10.0	E-401	3.0	2.6
E-6	50	8.0	E-402	3.0	2.6
E-7	45	10	E-403	2.8	2.4
E-8	38	10	E-404	2.8	2.4
E-9	24	11	E-405	2.4	2.4
E-10	35	11	E-406	.6	2.4
E-11	90	15	E-407	2.6	2.4
E-12	100	18	E-408	2.6	2.4
E-13	110	13	E-409	2.6	2.4
E-14	60	14	E-410	2.4	2.4
E-15	80	10	E-411	2.3	2.3
E-16	25	4.2	E-412	2.4	2.2
* E-(N-16)	60	20	E-413	2.2	2.2
N-594	5.0	4.6	E-414	2.2	2.2
N-566	3.8	3.8	E-415	2.4	2.2
N-538	3.6	3.4	E-416	2.0	2.0
N-510	3.8	3.4	E-417	2.0	2.0
N-482	3.4	3.2	E-418	2.4	2.0
N-454	3.2	3.0	E-419	2.2	2.0
N-426	3.0	3.0	E-420	1.8	1.8

*See Railroad Grids

Table 4.B(6)

Gamma Scan Measurements in the Twenty-Five Foot Extension Area in K Counts Per Minute with 1" X 1" NaI Detector

Grid #	Max K	Ave K	Grid #	Max K	Ave K
E-421	2.0	2.0	S-972	2.0	2.0
E-422	1.8	1.8	S-1002	2.0	2.0
E-423	2.0	2.0	S-1032	2.4	2.0
E-424	2.0	2.0	S-1062	2.4	2.2
E-425	2.0	2.0	S-1092	2.6	2.2
Corner of 425	2.0	2.0	S-1122	2.2	2.2
S-425	2.0	2.0	S-1152	2.2	2.2
S-453	2.0	2.0	S-1183	2.2	2.2
S-481	2.0	2.0	S-1214	* 3.6	3.6
S-509	2.2	2.2	S-1245	*22.0	20.0
S-537	2.2	2.2	S-1276	*32.0	22.0
S-565	2.4	2.0	S-1307	*26.0	20.0
S-593	2.0	2.0	S-1338	*18.0	10.0
S-621	2.2	2.2	S-1366	2.4	2.4
S-650	1.8	1.8	S-1394	2.2	2.2
S-679	2.0	2.0	S-1422	2.2	2.2
S-708	2.2	2.0	Corner of 1422	2.2	2.2
S-737	2.2	2.0	W-1422	2.4	2.2
S-766	1.8	1.8	W-1421	2.8	2.6
S-795	1.8	1.8	W-1420	2.8	2.4
S-824	2.0	2.0	W-1419	2.8	2.4
S-853	2.2	2.0	W-1418	2.6	2.4
S-882	2.0	2.0	W-1417	2.8	2.6
S-912	2.2	2.0	W-1416	2.9	2.6
S-942	1.8	1.8	W-1415	3.1	2.8

*In South drainage line

Table 4.B(6)

Gamma Scan Measurements in the Twenty-Five Foot Extension Area in K Counts Per Minute with 1" X 1" NaI Detector

Grid #	Max %	Ave %	Grid #	Max %	Ave %
W-1414	3.2	2.8	W-1308	2.2	2.2
W-1413	3.0	2.8	*Grid So. W-(N-395)	2.6	2.4
W-1412	3.0	2.8	*See RR Grids W-(N-395)	3.2	3.0
W-1411	3.4	3.0	W-395	5.5	3.4
W-1410	3.2	3.0	W-394	8.0	4.0
W-1409	3.4	3.0	W-393	8.0	4.0
W-1408	3.1	3.1	W-392	8.0	4.0
W-1407	3.1	3.0	W-391	7.0	3.8
W-1406	3.0	3.0	W-390	4.2	3.4
W-1405	2.8	2.4	W-389	2.6	2.6
W-1404	3.6	3.2	W-388	2.2	2.2
W-1403	3.8	3.7	W-387	2.6	2.4
W-1402	2.6	2.6	W-386	2.2	2.2
W-1401	2.8	2.8	W-385	2.0	2.0
W-1400	3.3	3.0	W-384	2.0	2.0
W-1399	3.0	3.0	W-383	2.4	2.2
W-1398	3.5	3.2	W-382	2.2	2.2
W-1397	3.6	3.4	W-381	2.2	2.2
W-1396	2.6	2.6	W-380	2.0	2.0
W-1395	3.8	3.4	W-379	2.9	2.4
Corner of 1395	2.3	2.2	Corner of 379	3.2	3.0
S-1395	2.6	2.7	S-379	2.8	2.8
S-1367	3.2	3.0	S-362	3.2	3.2
S-1339 (or) W-1310	3.0	3.0	S-345	3.2	3.2
W-1309	3.7	3.2	S-328	3.0	3.0

*See Railroad Grids

Table 4.B(6)

Gamma Scan Measurements in the Twenty-Five Foot Extension Area in K Counts Per Minute with 1" X 1" NaI Detector

Grid #	Max γ	Ave γ	Grid #	Max γ	Ave γ
S-311	3.0	3.0			
S-294	3.4	3.4			
S-277	3.4	3.2			
S-260	8.0	4.0			
S-242	3.2	3.2			
S-225	6.0	3.8			
S-209	3.4	3.4			
S-193	3.0	3.0			
S-177	3.0	3.0			
S-161	3.0	3.0			
S-145	3.0	3.0			
S-129	4.8	4.0			
S-113	6.0	5.5			
S-97	7.0	6.0			
S-81	8.0	6.0			
S-65	8.0	6.0			
S-49	8.0	6.0			
S-33	8.0	6.0			
S-17	8.0	6.0			
S-1	7.0	6.0			

See page 5 of Teledyne Report dated November 15, 1978.

Table 4c(2)

REPORT OF ANALYSIS

AUGUST 9, 1978

TELEDYNE ISOTOPES
50 Van Buren Ave., Westwood, New Jersey 07675
Phone: 201-664-7070 Telex 134474

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 08/09/78

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
3-1731		07/24/78	08/26/78	1

ATCOR INC
PARK MALL
PEEKSKILL N Y 10566

SEDIMENT/SILT

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (pCi/gm DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
							PB-214	4.53+-0.45E-01		07/30			4
53963	LIQUID OR-100 FT UP		7/08				K-40	2.29+-0.43E 00		07/30			4
							ZR-95	3.39+-1.86E-02		07/30			4
							CS-137	6.59+-1.43E-02		07/30			4
							RA-226	1.28+-0.85E-01		07/30			4
							TH-228	3.69+-0.37E-01		07/30			4
							BI-214	4.01+-0.41E-01		07/30			4
53964	LIQUID OR-A DISCHARGE		7/08				K-40	7.05+-0.83E 00		07/26			4
							RU-103	1.11+-0.70E-01		07/26			4
							CS-137	2.95+-0.78E-01		07/26			4
							CE-144	2.77+-0.57E 00		07/26			4
							PB-214	2.38+-0.24E 00		07/26			4
							BI-214	2.09+-0.21E 00		07/26			4
							RA-226	5.70+-1.35E 00		07/26			4
							TH-228	8.82+-0.88E 00		07/26			4
53965	LIQUID OR-33 FT DOWN		7/08				K-40	L.T. 9. E-01		07/27			4
							CS-137	L.T. 8. E-02		07/27			4
							PB-214	3.03+-0.30E 01		07/27			4
							BI-214	2.57+-0.26E 01		07/27			4
							RA-226	2.57+-0.26E 01		07/27			4
							U-235	1.63+-0.78E 00		07/27			4

-119a-

LAST PAGE OF REPORT

J D Martin

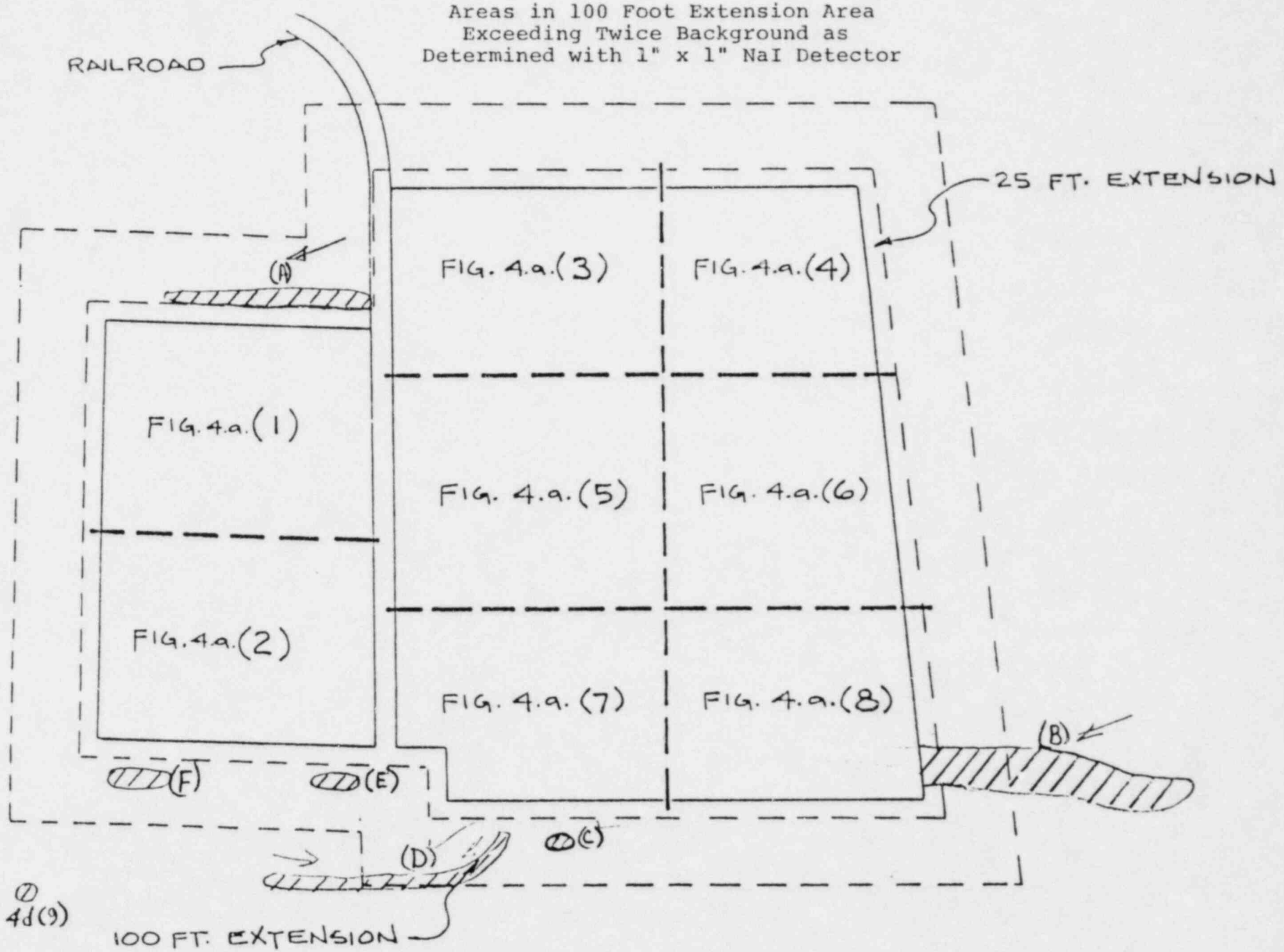
APPROVED BY K. ROACH 08/09/78

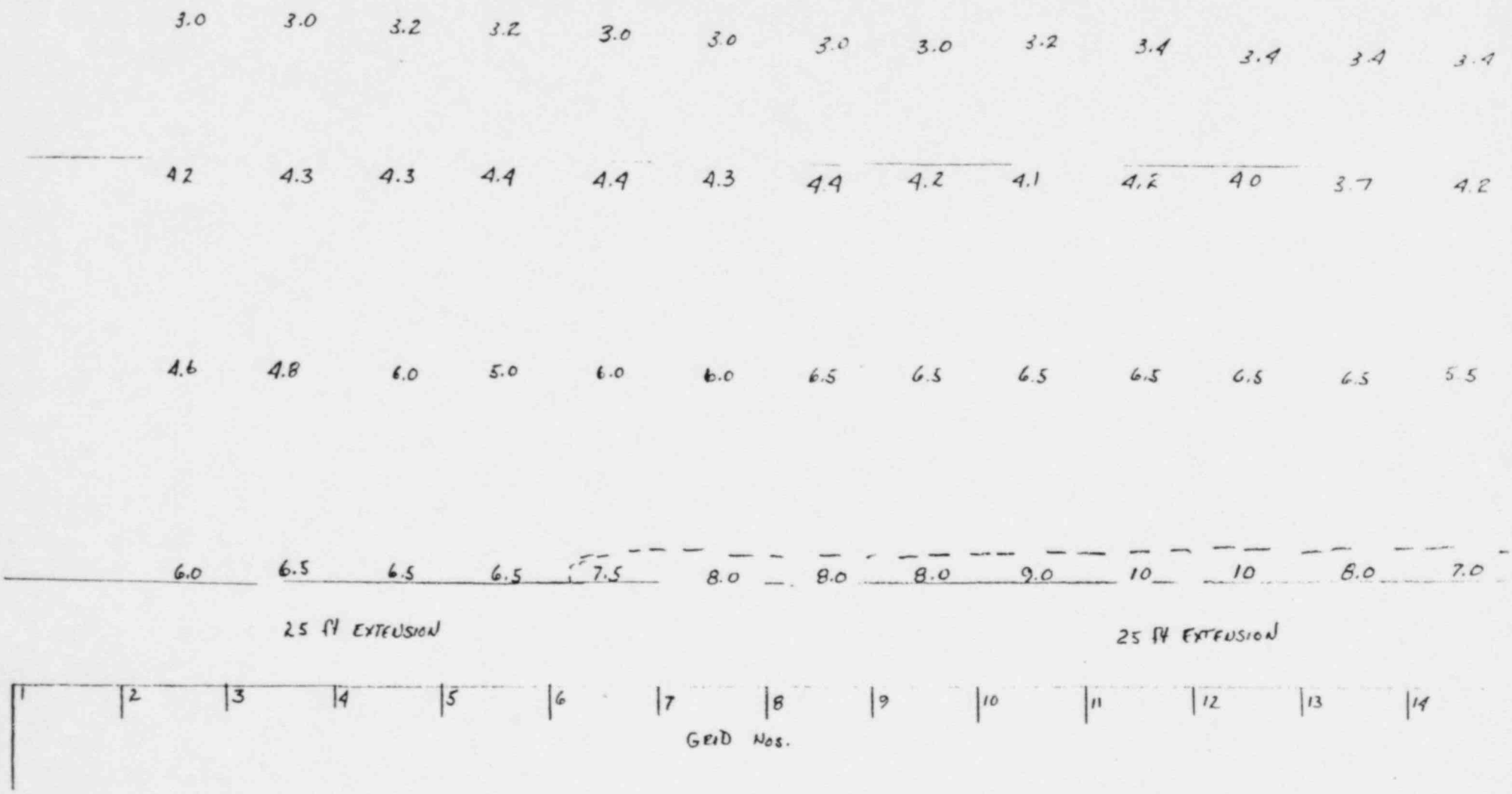
SEND 1 COPIES TO AT100S

2 - GAS LAB. 3 - RADIO CHEMISTRY LAB. 4 - Ge(Li) GAMMA SPEC LAB. 5 - TRITIUM GAS/L.S. LAB.

Figure 4c(3)

Areas in 100 Foot Extension Area
Exceeding Twice Background as
Determined with 1" x 1" NaI Detector





Radiation Scan Readings with 1"
Data in K Counts Per Minute

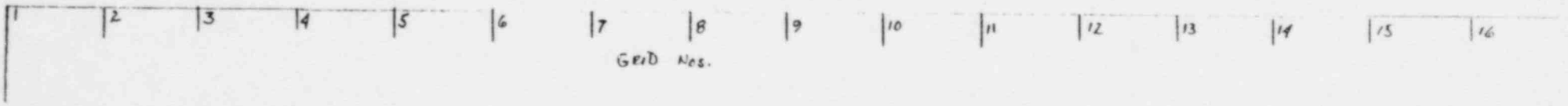
Figure 4c(4)(A)

[redacted]

3.0	3.0	3.2	3.2	3.0	3.0	3.0	3.0	3.2	3.4	3.4	3.4	3.4	4.0
4.2	4.3	4.3	4.4	4.4	4.3	4.4	4.2	4.1	4.2	4.0	3.7	4.2	4.0
4.6	4.8	6.0	5.0	6.0	6.0	6.5	6.3	6.5	6.5	6.8	6.5	5.5	6.0
6.0	6.5	6.5	6.5	7.5	8.0	8.0	8.0	9.0	10	10	8.0	7.0	8.0	9.0

25 ft EXTENSION

25 ft EXTENSION



Radiation Scan Readings with 1" x 1" NaI Detector
Data in K Counts Per Minute

Figure 4c(4)(A)

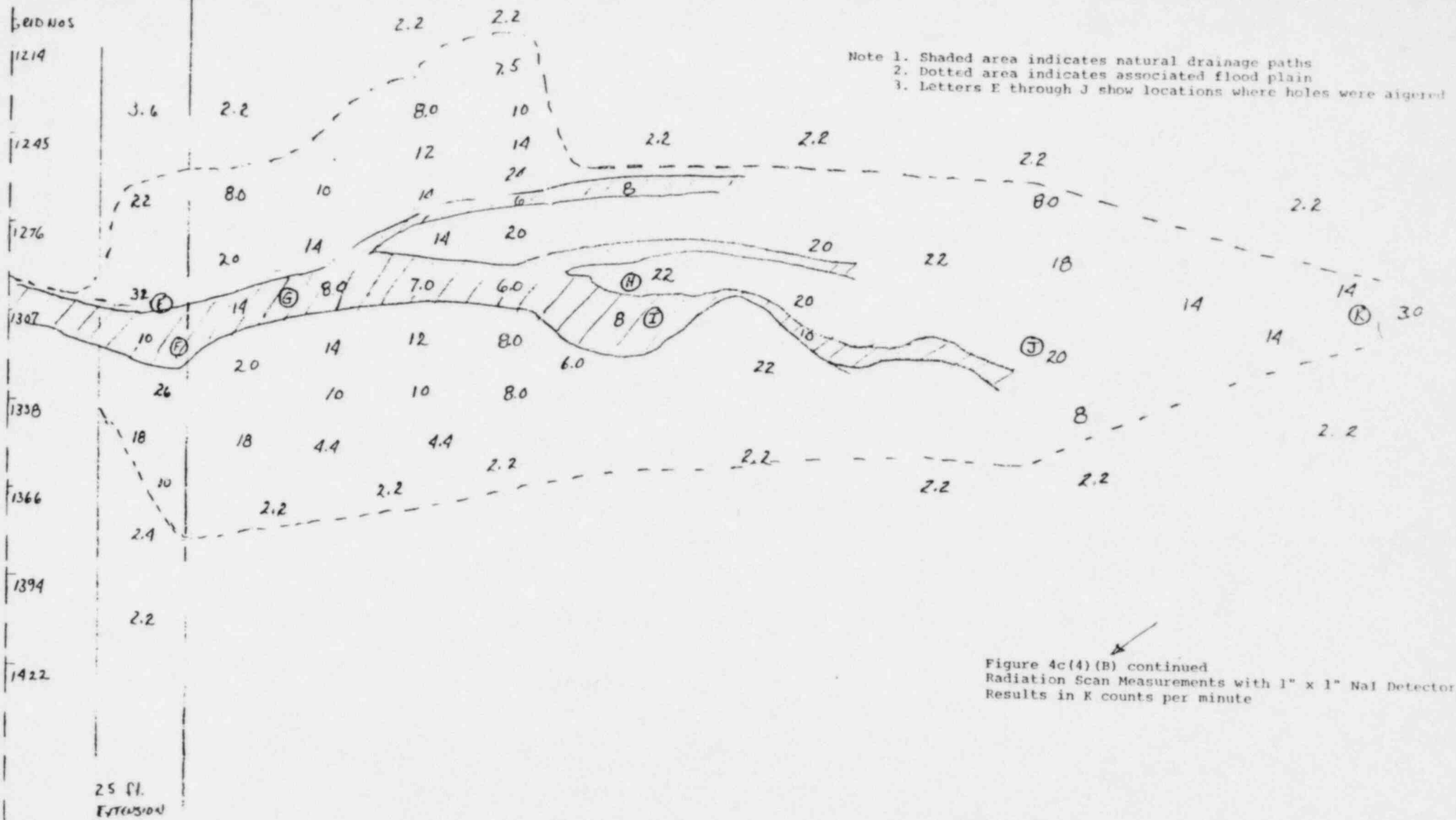


Figure 4c(4)(B) continued
Radiation Scan Measurements with 1" x 1" NaI Detector
Results in K counts per minute

Note 1. Shaded area indicates natural drainage paths
2. Dotted area indicates associated flood plain
3. Letters A through D show locations where holes were augered

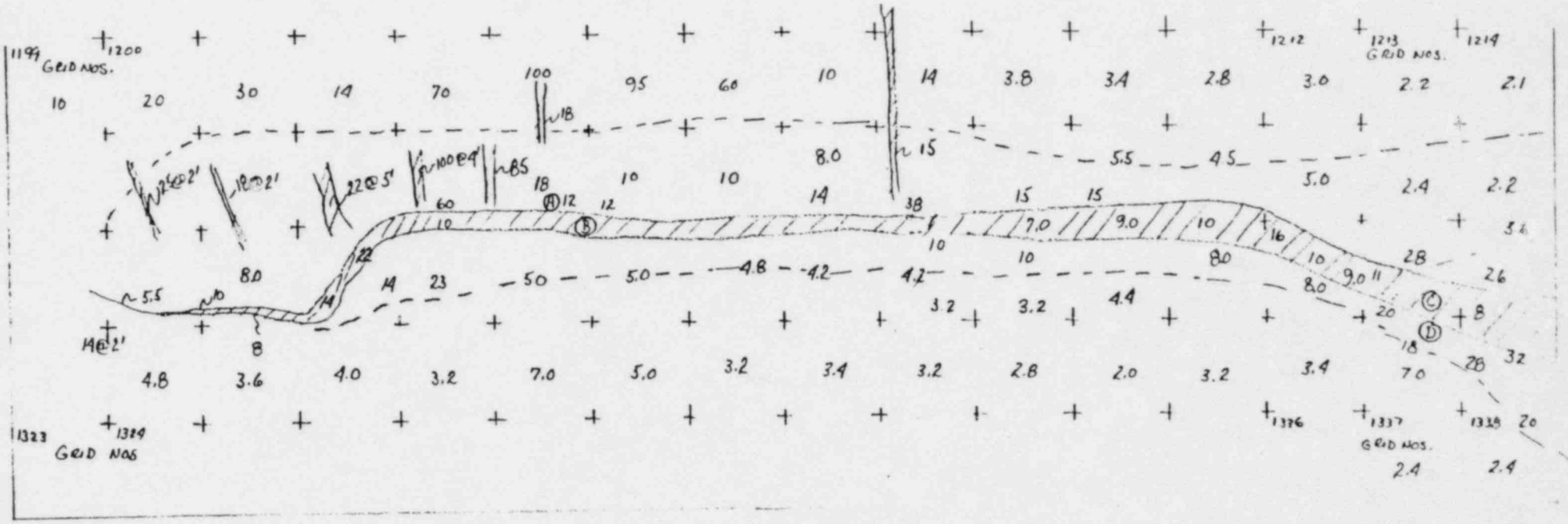


Figure 4c(4)(B)
Radiation scan measurements with 1" x 1" NaI Detector
Results in K counts per minute

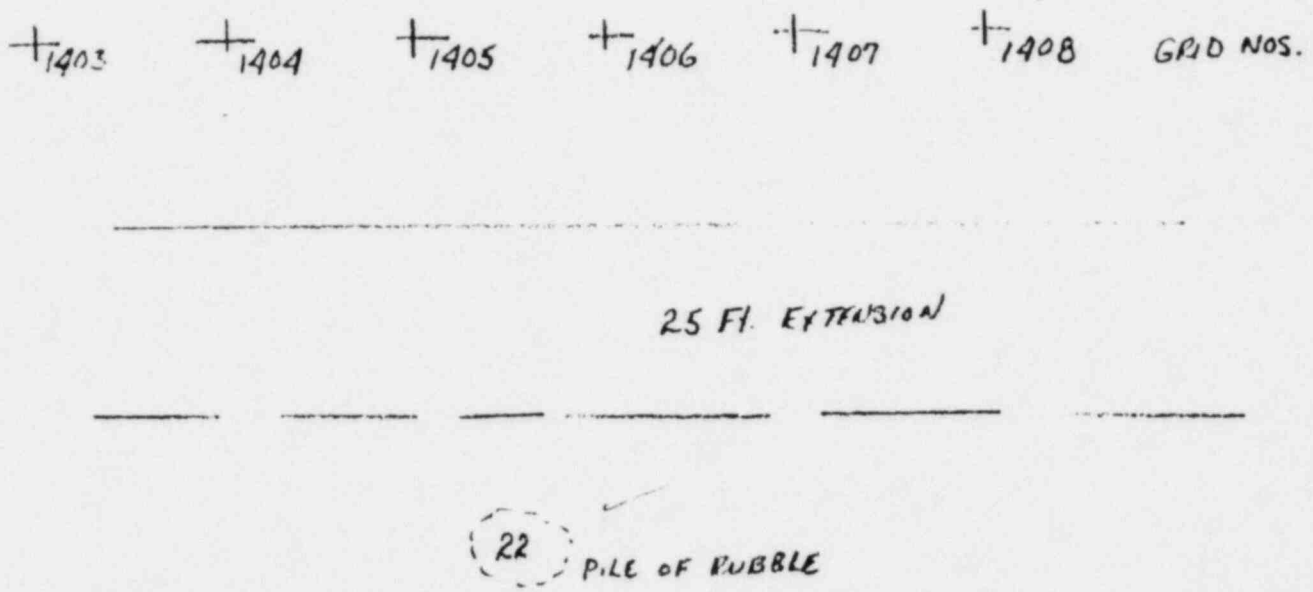


Figure 4c(4)(C)
Radiation Scan Measurements with 1" x 1" NaI Detector
Results in K counts per minute

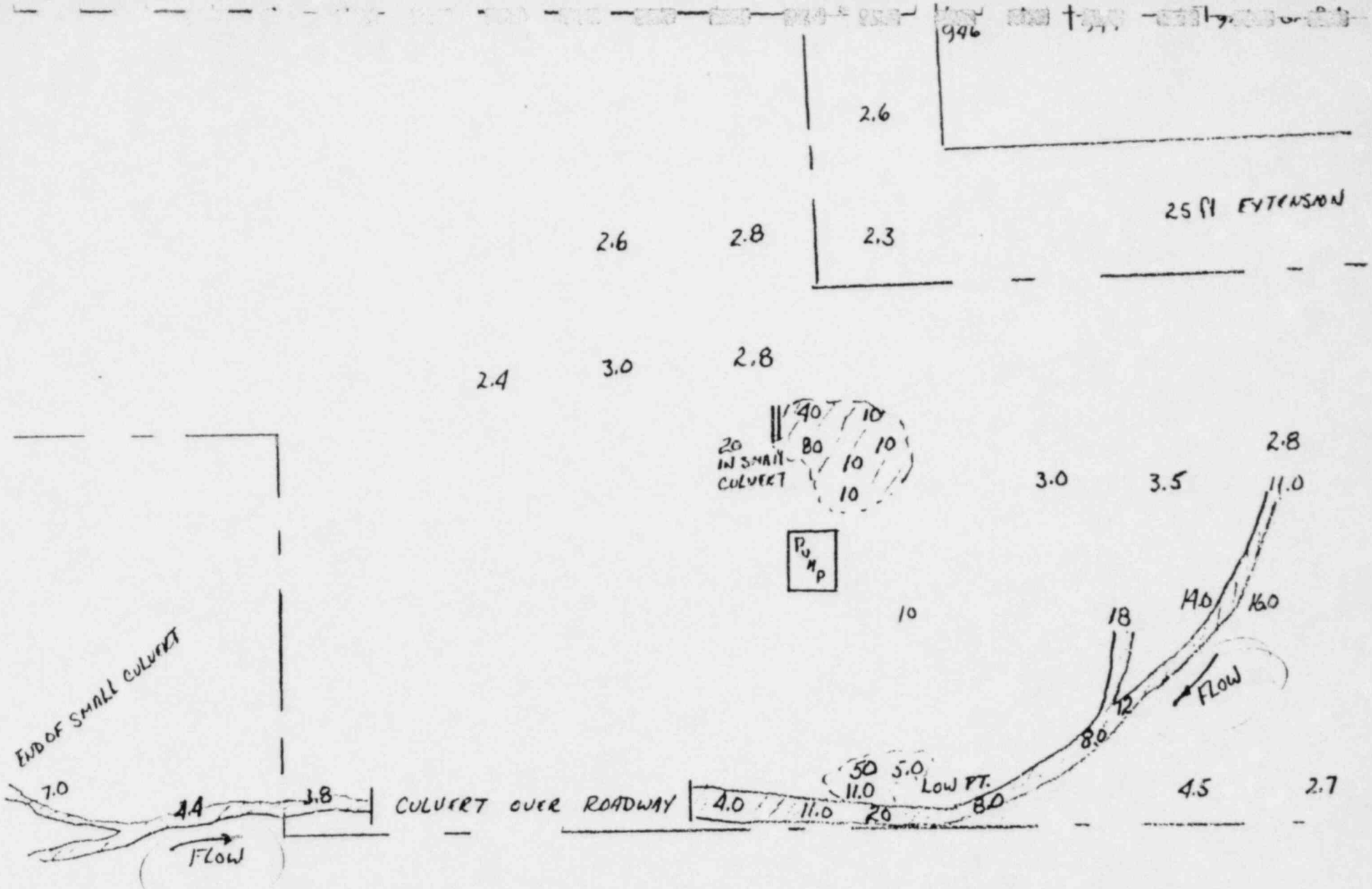


Figure 4c(4)(D)
Radiation Scan Measurements with 1" x 1" NaI Detector
Results in K counts per minute

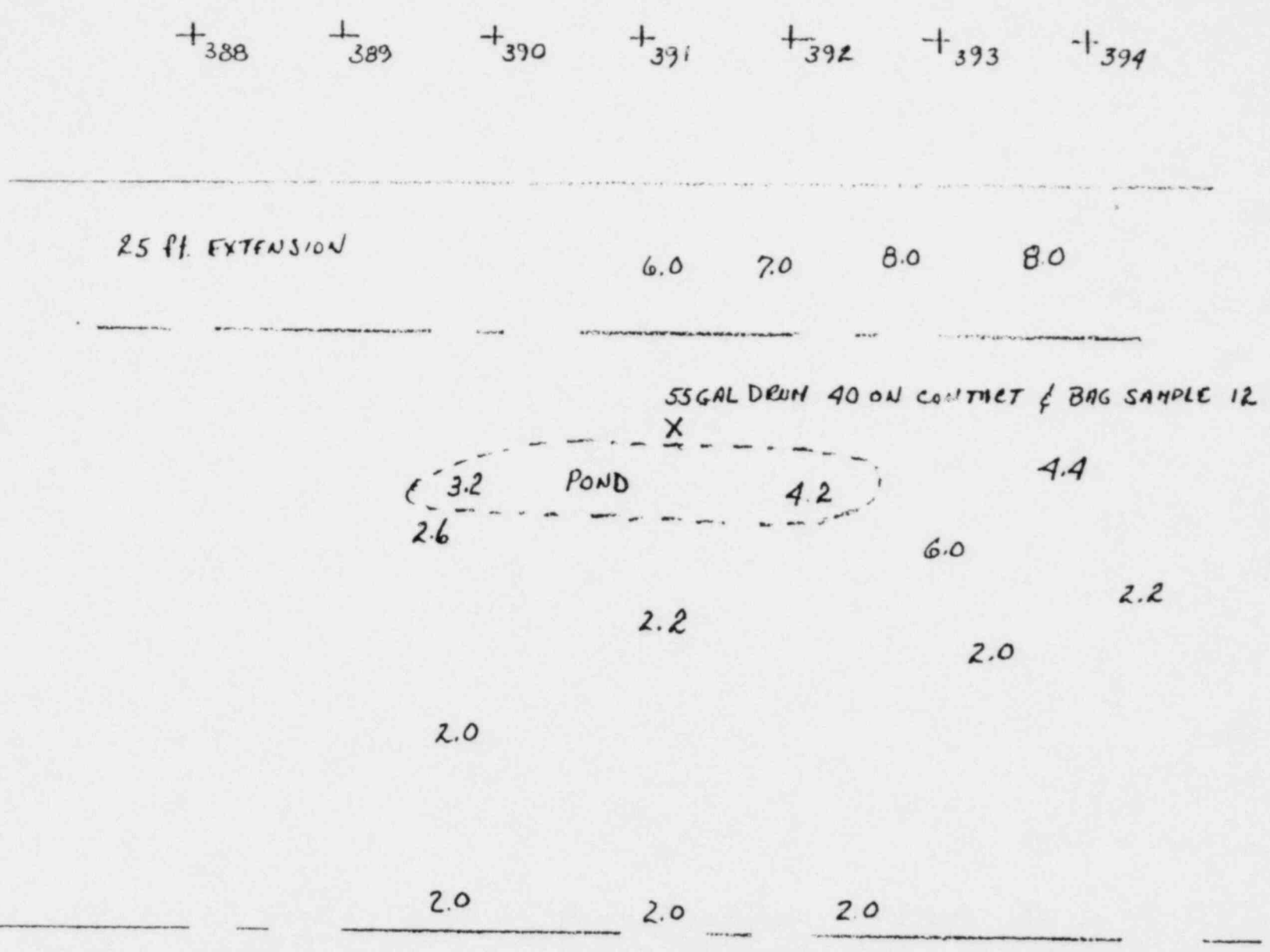


Figure 4c(4)(E)
Radiation Scan measurements with 1" x 1" NaI Detector
Results in K counts per minutes

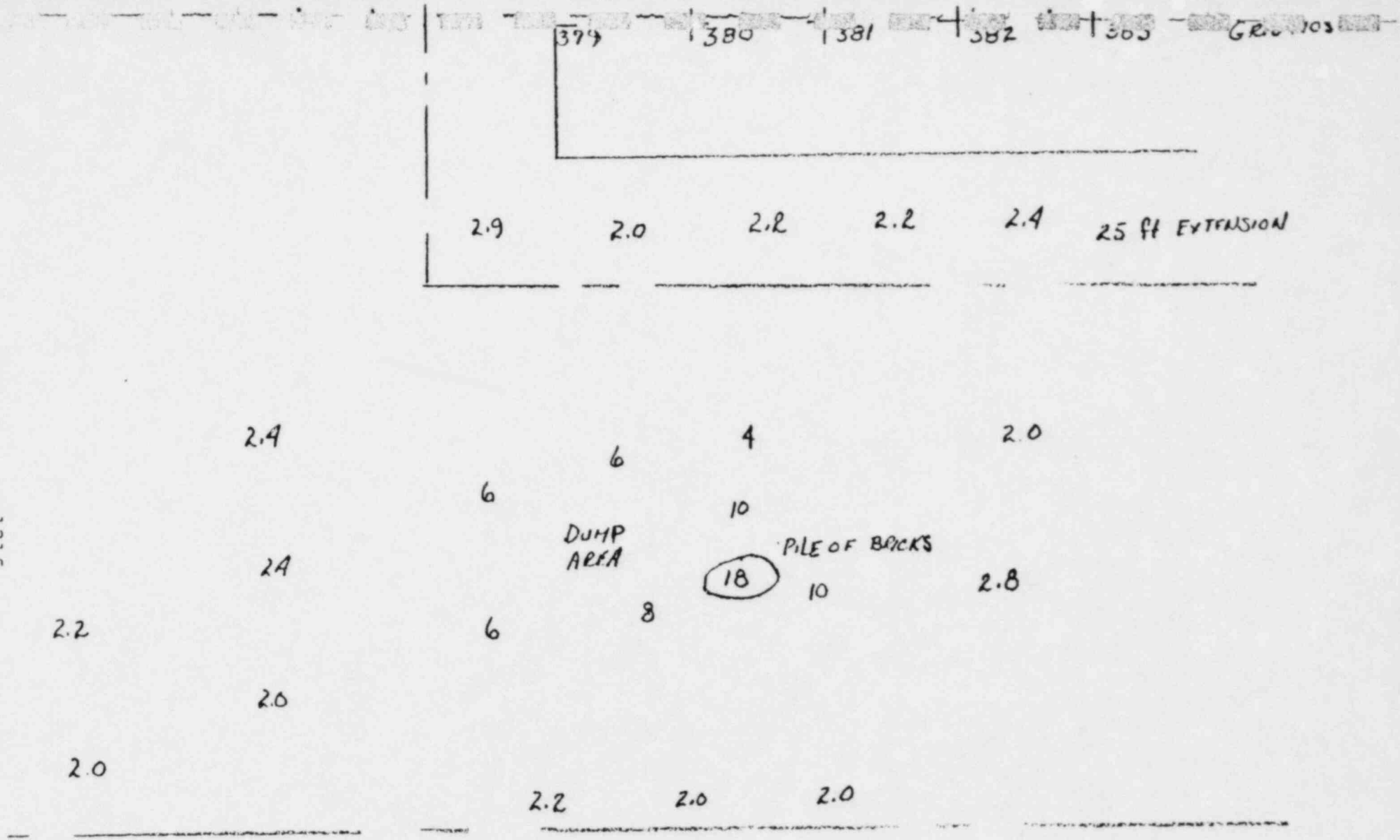


Figure 4c(4)(F)
Radiation Scan Measurements with 1" x 1" NaI Detector
Results in K counts per minute

Table 4c(5)

Gamma Scan Measurements for South-western Drainage Area
All Results Are in K Counts Per Minute
Location for Letters A through J May Be Found on Figure 4c(4)(D).

Sample	Depth in Feet	Gamma Measurement	Surface Soil Measurement
A	0	22	3.6
	1	12	
	2	4.8	
B	0	12	3.0
	1	8	
	2	4.5	
C	0	11	3.2
	1	30	
	2	14	
D	0	22	4.1
	1	8	
	2	4.4	
E	0	12	3.5
	1	21	
	2	6	
	3	4.2	
F	0	10	4.4
	1	30	
	2	water	
G	0	12	3.3
	1	28	
	2	8 (water present)	
H	0	12	3.9
	1	23	
	2	4.6	
I	0	8	3.7
	1	16	
	2	4,2	
J	0	20	4.1
	0.5	26	
	1	14	
	2	3.8	
farmland	0	2.6	

See Volume 2, page 43, for overlay which indicates the position of radioactivity found on adjacent property.

Table 4.d(1)
Soil Sample Field Analysis with Results in
K Counts Per Minute with 1" X 1" NaI Detector

	Ludlum Readings in Grids That Indicate≥ to 5 X BKG (2.2Kcpm)		Ludlum Readings of Soil Samples Associated With Grids	
Grid #	At Surface	At 2' Depth	At Surface	At 2' Depth
1	20	16	5.0	3.0
2	80	200	11	25
3	30	24	6	5.0
4	34	16	14	3.0
5	60	40	12	3.0
6	70	20	7	2.8
7	25	18	8	3.2
8	40	12	4.0	2.3
9	40	8	8	2.6
10	40	7	6	2.4
11	120	32	20	2.6
12	170	36	95	2.2
13	280	90	15	2.4
14	concrete	concrete	concrete	concrete
15	concrete	concrete	concrete	concrete
16	24	20	6.0	2.0
17	30	120	8	4.0
18	40	60	10	2.6
19	60	80	22	2.2
20	50	40	32	6.0
21	46	30	19	2.6
22	80	14	14	3.0
23	124	22	18	5.0
24	44	16	8	2.4
25	44	12	9	2.3

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Table 4.d(1)
Soil Sample Field Analysis with Results in
K Counts Per Minute with 1" X 1" NaI Detector

	Ludlum Readings in Grids That Indicate ≥ to 5 X BKG (2.2Kcpm)		Ludlum Readings of Soil Samples Associated with Grids	
Grid #	At Surface	At 2' Depth	At Surface	At 2' Depth
26	40	10	8	2.4
27	50	14	5	2.2
28	40	12	12	2.6
29	18	12	10	2.2
30	28	concrete	5.0	concrete
31	48	concrete	6	concrete
32	22	20	6	2.6
33	30	24	6.5	2.0
34	22	100	5.0	3.2
35	28	46	6	2.6
36	32	32	8	8
37	40	26	12	8
38	110	24	6	6
39	110	20	15	8
40	40	12	10	5.0
41	15	6	8	3.0
-	-	-	-	-
45	35	concrete	7	concrete
46	60	concrete	9	concrete
47	36	concrete	6	concrete
48	40	36	14	3.4
49	12	14	5.0	2.0
50	24	100	10	3.0
51	100	40	20	3.6
52	28	60	6	3.2

Table 4.8(1)

Soil Sample Field Analysis with Results in K Counts Per Minute with 1" X 1" NaI Detector

	Ludlum Readings in Grids That Indicate ≥ to 5 X BKG (2.2Kcpm)		Ludlum Readings of Soil Samples Associated With Grids	
Grid #	At Surface	At 2' Depth	At Surface	At 2' Depth
53	40	24	8	3.0
54	80	10	14	3.0
55	26	10	8	4.0
56	48	10	12	2.8
-	-	-	-	-
59	12	concrete	3.4	concrete
60	12	concrete	3.2	concrete
61	18	concrete	3.2	concrete
62	105	concrete	4	concrete
63	35	concrete	8	concrete
64	65	concrete	7	concrete
65	60	160	15	16
66	40	70	10	2.4
67	18	22	6	2.0
68	12	16	6	2.2
69	18	16	6	3.0
70	42	10	12	2.4
71	26	12	10	2.6
72	18	10	6	3.0
-	-	-	-	-
78	30	concrete	5	concrete
79	35	5	7	2.4
80	32	concrete	6	concrete
81	40	120	7.5	8
82	60	130	7.0	16

Table 4.0(2)

Soil Sample Field Analysis with Results in
K Counts Per Minute with 1" X 1" NaI Detector

	Ludlum Readings in Grids That Indicate≥ to 5 X BKG (2.2Kcpm)		Ludlum Readings of Soil Samples Associated With Grids	
Grid #	At Surface	At 2' Depth	At Surface	At 2' Depth
83	30	90	14	10
84	30	70	8	2.2
85	34	8	6.5	3.0
86	40	25	2.8	2.5
87	60	concrete	3.2	concrete
88	20	8	5	2.6
89	12	6	2.8	2.6
90	12	8	2.8	3.0
91	21	14	3.6	3.0
92	16	concrete	3.4	concrete
93	12	concrete	2.8	concrete
94	30	concrete	4.0	concrete
95	26	7	3.0	2.3
96	20	5	9	2.6
97	70	8	8	8
98	100	20	5	2.4
99	40	10	3.8	2.6
100	18	6	5.0	2.4
-	-	-	-	-
103	12	concrete	3.6	concrete
-	-	-	-	-
109	12	concrete	2.8	concrete
110	43	concrete	3.4	concrete
111	48	concrete	4.2	concrete
112	90	concrete	6	concrete

Table 4.d(1)
Soil Sample Field Analysis with Results in
K Counts Per Minute with 1" X 1" NaI Detector

	Ludlum Readings in Grids That Indicate ≥ to 5 X BKG (2.2Kcpm)		Ludlum Readings of Soil Samples Associated With Grids	
Grid #	At Surface	At 2' Depth	At Surface	At 2' Depth
113	60	50	17	2.6
114	30	45	2.8	2.4
115	15	3.0	3.0	2.4
116	20	5.0	2.8	2.4
117	12	8	2.8	3.0
118	18	concrete	3.2	concrete
119	12	concrete	3.4	concrete
-	-	-	-	-
126	70	concrete	8	concrete
127	18	3.0	2.8	2.4
128	30	concrete	6	concrete
129	24	18	2.9	2.6
130	24	6	2.9	2.4
-	-	-	-	-
142	28	L.B.Foster Loading Dock	4.2	Loading Dock
143	23	Loading Dock	3.0	Loading Dock
144	100	Loading Dock	3.2	Loading Dock
145	24	8	3.2	2.4
146	24	2.4	5.0	2.4
-	-	-	-	-
158	30	L. B. Foster Loading Dock	2.6	Loading Dock
159	350	Loading Dock	6.0	Loading Dock
160	80	Loading Dock	2.6	Loading Dock
-	-	-	-	-
174	90	Loading Dock	3.8	Loading Dock

Table 4.d(1)
Soil Sample Field Analysis with Results in
K Counts Per Minute with 1" X 1" NaI Detector

	Ludlum Readings in Grids That Indicate ≥ to 5 X BKG (2.2Kcpm)		Ludlum Readings of Soil Samples Associated With Grids	
Grid #	At Surface	At 2' Depth	At Surface	At 2' Depth
175	340	concrete	6	concrete
176	120	concrete	8	concrete
-	-	-	-	-
190	21	concrete	3.4	concrete
191	105	concrete	5.0	concrete
192	70	concrete	3.0	concrete
-	-	-	-	-
206	14	concrete	2.8	concrete

Soil Sample Field Analysis with Results in
K Counts Per Minute with 1" X 1" NaI Detector

	Ludlum readings in grids that indicate ≥ to 5 X BKG (2.2K cpm)		Ludlum readings of soil samples associated with grids	
Grid #	At Surface	At 2' Depth	At Surface	At 2' Depth
N-16	42	26	3.8	3.2
N-32	80	20	4.8	2.0
N-48	95	38	6.0	2.8
N-60	48	30	12.0	2.4
N-80	120	12	26.0	2.2
N-96	60	24	3.9	2.0
N-112	110	18	4.2	2.2
N-128	140	20	9.0	2.2
N-144	120	100	14.0	2.0
N-160	140	70	30.0	2.2
N-176	120	155	6.0	2.2
N-192	140	80	26.0	3.0
N-208	160	120	12.0	3.4
N-224	120	120	13.0	3.4
N-241	120	100	6.5	3.6
N-259	14	20	5.0	8.0
N-276	-	-	-	-
N-293	-	-	-	-
N-310	-	-	-	-
N-327	-	-	-	-
N-344	-	-	-	-
N-361	No hole dug	-	4.0	-
N-378	-	-	-	-

Table 4.6.(2)

Soil Sample Field Analysis with Results in
K Counts Per Minute with 1" X 1" NaI Detector

	Ludlum readings in grids that indicate ≥ to 5 X BKG (2.2K cpm)		Ludlum readings of soil samples associated with grids	
Grid #	At Surface	At 2' Depth	At Surface	At 2' Depth
N-395	120	No hole dug	32.0	-
Grid South of N-378	8	-	-	-
Grid South of N-395	120	-	15.0	-

Teledyne Report dated November 15, 1978

pages 132a through 132i.

REPORT OF ANALYSIS

NOVEMBER 15, 1978

TELEDYNE ISOTOPES
50 Van Buren Ave., Westwood, New Jersey 07675
Phone: 201-664-7070 Telex 134474

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

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S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (pCi/gm DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
55413	POINT P 2FT DPTH BKGD CNTL		08/0R				RA-226	1.62+-0.20E 00		09/14			4
							PB-214	1.02+-0.10E 00		09/14			4
							BI-214	9.04+-0.90E-01		09/14			4
							AC-228	1.35+-0.18E 00		09/14			4
							PB-212	1.13+-0.11E 00		09/14			4
							TL-208	1.21+-0.13E 00		09/14			4
							K-40	7.82+-0.82E 00		09/14			4
							CS-137	1.17+-0.34E-01		09/14			4
							U-234	6. +-1. E-01		10/04			5
							TH232/28	8.5 E-01					5
							U-238	5. +-1. E-01		10/04			5
55414	GRID 2 SURFACE		08/0R				RA-226	4.81+-0.48E 00		09/08			4
							PB-214	1.90+-0.34E 00		09/08			4
							BI-214	1.87+-0.20E 00		09/08			4
							AC-228	1.36+-0.14E 01		09/08			4
							PB-212	1.04+-0.10E 01		09/08			4
							TL-208	1.11+-0.11E 01		09/08			4
							K-40	6.63+-1.08E 00		09/08			4
							CS-137	L.T. 7. E-02		09/08			4
							U-234	8. +-2. E-01		10/05			5
							TH232/28	1.09 E 00					5
							U-238	9. +-2. E-01		10/05			5
55415	GRID 2 2FT DPTH		08/0R				RA-226	2.41+-1.38E 01		09/18			4
							PB-214	7.64+-1.97E 00		09/18			4
							BI-214	5.49+-1.60E 00		09/18			4
							AC-228	4.08+-0.41E 02		09/18			4
							PB-212	2.97+-0.30E 02		09/18			4
							TL-208	3.29+-0.33E 02		09/18			4
							K-40	4.04+-0.74E 01		09/18			4
							U-234	3.6 +-0.4 E 01		10/28			5
							TH232/28	8.6 E-01					5
							U-238	4.0 +-0.4 E 01		10/28			5

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TELEDYNE ISOTOPES

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TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (pCi/gm DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
55416	GRID 8 SURFACE		08/0R				RA-226	1.43+-0.14E 01		09/07			4
							PB-214	1.38+-0.14E 01		09/07			4
							BI-214	1.20+-0.12E 01		09/07			4
							AC-228	1.32+-0.13E 01		09/07			4
							PB-212	1.07+-0.11E 01		09/07			4
							TL-208	1.09+-0.11E 01		09/07			4
							K-40	3.55+-0.85E 00		09/07			4
							CS-137	1.32+-0.64E-01		09/07			4
							U-234	9. +-2. E-01		10/07			5
							TH232/28	7.1 E-01					5
							U-238	1.2 +-0.2 E 00		10/07			5
55417	GRID 8 2FT DPTH		08/0R				RA-226	4.49+-1.02E 00		09/12			4
							PB-214	3.25+-0.33E 00		09/12			4
							BI-214	2.82+-0.28E 00		09/12			4
							AC-228	8.36+-0.84E 00		09/12			4
							PB-212	6.25+-0.63E 00		09/12			4
							TL-208	6.52+-0.65E 00		09/12			4
							K-40	9.41+-1.26E 00		09/12			4
							CS-137	L.T. 7. E-02		09/12			4
							U-234	8. +-2. E-01		10/30			5
							TH232/28	9.3 E-01					5
							U-238	9. +-2. E-01		10/30			5
55418	GRID 12 SURFACE		08/0R				RA-226	4.09+-0.41E 02		09/08			4
							PB-214	2.20+-0.22E 02		09/08			4
							BI-214	1.89+-0.19E 02		09/08			4
							AC-228	1.27+-0.13E 01		09/08			4
							PB-212	1.33+-0.13E 03		09/08			4
							TL-208	1.53+-0.15E 03		09/08			4
							K-40	1.03+-0.14E 02		09/08			4
							CS-137	L.T. 4. E 00		09/08			4
							U-234	3.9 +-0.6 E 01		11/04			5
							TH232/28	1.05 E 00					5
							U-238	4.2 +-0.6 E 01		11/04			5

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TELEDYNE ISOTOPES

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TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (pCi/gm DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
55419	GRID 12 2FT DPTH		08/08				RA-226	2.76+-0.28E 00		09/08			4
							PB-214	2.02+-0.20E 00		09/08			4
							BI-214	1.92+-0.19E 00		09/08			4
							AC-228	5.66+-0.57E 00		09/08			4
							PB-212	5.92+-0.59E 00		09/08			4
							TL-208	6.02+-0.62E 00		09/08			4
							K-40	7.69+-0.79E 00		09/08			4
							CS-137	L.T. 4. E-02		09/08			4
							U-234	7. +- 2. E-01		11/10			5
							TH232/28	9.5 E-01					5
							U-238	8. +- 2. E-01		11/10			5

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LAST PAGE OF REPORT

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The designation Th 232/28 represents a Th-232/Th-228 activity ratio and is thus, unitless. The absolute activities could not be determined. A ratio of 1.0 indicates equilibrium between the two thorium nuclides and the intermediate nuclides Ra-228 and Ac-228. Therefore the Ac-228 activity can be used as the Th-232 activity.

TELEDYNE ISOTOPES

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TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (pCi/gm DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
57923	NO. 1 GRID 11 SURFACE		10/0R				RA-226	1.46+-0.15E 02		10/27			4
							PB-214	1.03+-0.10E 02		10/27			4
							BI-214	9.27+-0.93E 01		10/27			4
							AC-228	3.37+-0.34E 02		10/27			4
							PB-212	2.53+-0.25E 02		10/27			4
							TL-208	2.72+-0.27E 02		10/27			4
							K-40	2.47+-0.84E 01		10/27			4
57924	NO. 2 GRID 20 SURFACE		10/0R				RA-226	1.45+-0.17E 02		10/26			4
							PB-214	1.54+-0.15E 02		10/26			4
							BI-214	1.30+-0.13E 02		10/26			4
							AC-228	7.12+-0.71E 02		10/26			4
							PB-212	5.27+-0.53E 02		10/26			4
							TL-208	5.50+-0.55E 02		10/26			4
							K-40	4.45+-1.51E 01		10/26			4
57925	NO. 3 DRN SMPL NR PMP SURF		10/0R				RA-226	1.70+-0.20E 02		10/25			4
							PB-214	1.27+-0.13E 02		10/25			4
							BI-214	1.11+-0.11E 02		10/25			4
							AC-228	3.78+-0.38E 02		10/25			4
							PB-212	2.80+-0.28E 02		10/25			4
							TL-208	3.01+-0.30E 02		10/25			4
							K-40	1.68+-0.81E 01		10/25			4
57926	NO. 4 GRID 1063 SURF		10/0R				RA-226	1.00+-0.24E 02		10/31			4
							PB-214	2.76+-0.33E 01		10/31			4
							BI-214	2.57+-0.31E 01		10/31			4
							AC-228	1.81+-0.18E 03		10/31			4
							PB-212	1.12+-0.11E 03		10/31			4
							TL-208	1.37+-0.14E 03		10/31			4
							K-40	1.33+-0.13E 02		10/31			4

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TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (pCi/gm DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
57927	NO. 5 GRID 1030 SURF		10/0R				RA-226	8.71+-1.57E 01		10/31			4
							PB-214	2.99+-0.30E 01		10/31			4
							BI-214	2.35+-0.24E 01		10/31			4
							AC-228	3.39+-0.34E 02		10/31			4
							PB-212	2.55+-0.26E 02		10/31			4
							TL-208	2.60+-0.26E 02		10/31			4
							K-40	2.86+-0.74E 01		10/31			4
57928	NO. 6 GRID 65 SURFACE		10/0R				RA-226	5.48+-1.75E 01		10/27			4
							PB-214	1.09+-0.26E 01		10/27			4
57929	NO. 7 GRID 13 SURFACE		10/0R				RA-226	1.45+-0.14E 02		10/25			4
							PB-214	1.03+-0.10E 02		10/25			4
							BI-214	9.29+-0.93E 01		10/25			4
							AC-228	1.92+-0.19E 02		10/25			4
							PB-212	1.57+-0.16E 02		10/25			4
							TL-208	1.65+-0.16E 02		10/25			4
57930	NO. 8 GRID 38 SURFACE		10/0R				RA-226	1.90+-0.32E 01		10/27			4
							PB-214	1.00+-0.10E 01		10/27			4
							BI-214	8.58+-0.86E 00		10/27			4
							AC-228	3.94+-0.39E 01		10/27			4
							PB-212	3.38+-0.34E 01		10/27			4
							TL-208	3.34+-0.33E 01		10/27			4
							K-40	1.48+-0.24E 01		10/27			4
57931	NO. 9 GRID 113SURFACE		10/0R				RA-226	1.19+-0.14E 02		10/27			4
							PB-214	4.82+-0.48E 01		10/27			4
							BI-214	4.23+-0.42E 01		10/27			4
							AC-228	3.32+-0.33E 02		10/27			4
							PB-212	2.43+-0.24E 02		10/27			4
							TL-208	2.52+-0.25E 02		10/27			4

TELEDINE ISOTOPES

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S O I L

TELEDINE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (pCi/gm DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
57932	NO.10 GRID 681SURFACE		10/ R				RA-226	1.25+-0.15E 02		10/26			a
							PB-214	2.75+-0.28E 01		10/26			a
							BI-214	2.18+-0.22E 01		10/26			a
							AC-228	3.72+-0.37E 02		10/26			a
							PB-212	2.49+-0.25E 02		10/26			a
							TL-208	2.69+-0.27E 02		10/26			a
							K-40	2.91+-0.76E 01		10/26			a
57933	NO.11 GRID 892SURFACE		10/0R				AC-228	2.29+-0.23E 02		10/27			a
							PB-212	1.69+-0.17E 02		10/27			a
							TL-208	1.76+-0.18E 02		10/27			a
							K-40	1.70+-0.54E 01		10/27			a
57934	NO.12 25FT EXT DRN MN GHLA		10/0R				RA-226	2.81+-0.45E 01		10/27			a
							PB-214	1.74+-0.17E 01		10/27			a
							BI-214	1.44+-0.14E 01		10/27			a
							AC-228	4.56+-0.46E 01		10/27			a
							PB-212	3.67+-0.37E 01		10/27			a
							TL-208	3.54+-0.35E 01		10/27			a
57935	NO.13 S GRID 80RR SOR FACE		10/0R				RA-226	1.79+-0.18E 02		10/25			a
							PB-214	1.50+-0.15E 02		10/25			a
							BI-214	1.39+-0.14E 02		10/25			a
							AC-228	3.06+-0.31E 02		10/25			a
							PB-212	2.30+-0.23E 02		10/25			a
							TL-208	2.45+-0.24E 02		10/25			a
							K-40	2.74+-0.15E 01		10/25			a
57936	NO.14 S GRID 80 AT 2 FEET		10/0R				RA-226	1.10+-0.37E 00		11/02			a
							PB-214	8.54+-1.02E-01		11/02			a
							BI-214	8.01+-0.96E-01		11/02			a
							AC-228	1.14+-0.18E 00		11/02			a
							PB-212	1.13+-0.11E 00		11/02			a

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TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (pCi/gm DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
57936	NO.14 S GRID 80 AT 2	FEET	10/0R				TL-208	1.11+-0.13E 00		11/02			4
57937	NO.15 S GRID224RB SUR	FACE	10/0R				RA-226	1.58+-0.85E 01		10/27			4
							PB-214	2.14+-1.20E 00		10/27			4
							BI-214	1.96+-1.22E 00		10/27			4
							AC-228	2.56+-0.26E 02		10/27			4
							PB-212	1.73+-0.17E 02		10/27			4
							TL-208	1.84+-0.18E 02		10/27			4
57938	NO.16 S GRID224RB AT2	FEET	10/0R				RA-226	6.82+-2.32E 00		10/27			4
							PB-214	1.27+-0.28E 00		10/27			4
							BI-214	1.09+-0.30E 00		10/27			4
							AC-228	3.03+-0.30E 01		10/27			4
							PB-212	2.42+-0.24E 01		10/27			4
							TL-208	2.60+-0.26E 01		10/27			4
							K-40	1.27+-0.18E 01		10/27			4

TELEDYNE ISOTOPES

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W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (pCi/liter)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
57939	NO.1 POND E BLDG 3		10/0R				RA-226	L.T. 4. E 02		11/08			4
57940	NO.2 POND W GRID 391		10/0R				RA-226	L.T. 4. E 02		11/07			4
57941	NO.3 SEWER AT OHIO R.		10/0R				RA-226	L.T. 8. E 02		11/09			4
57942	NO.4 LOWLAND BLDUP S	BG 3	10/0R				RA-226	L.T. 5. E 02		11/08			4

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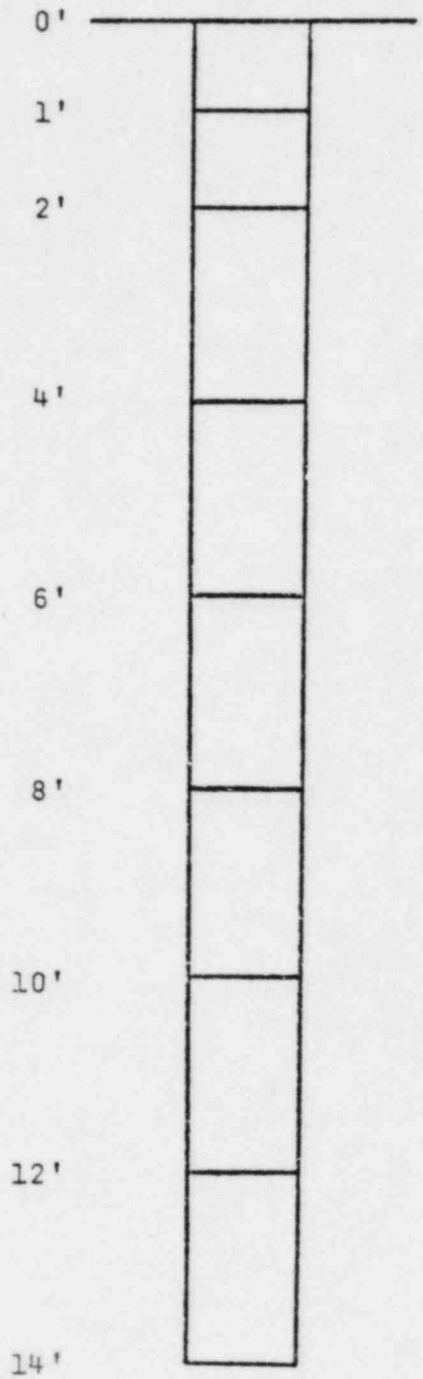
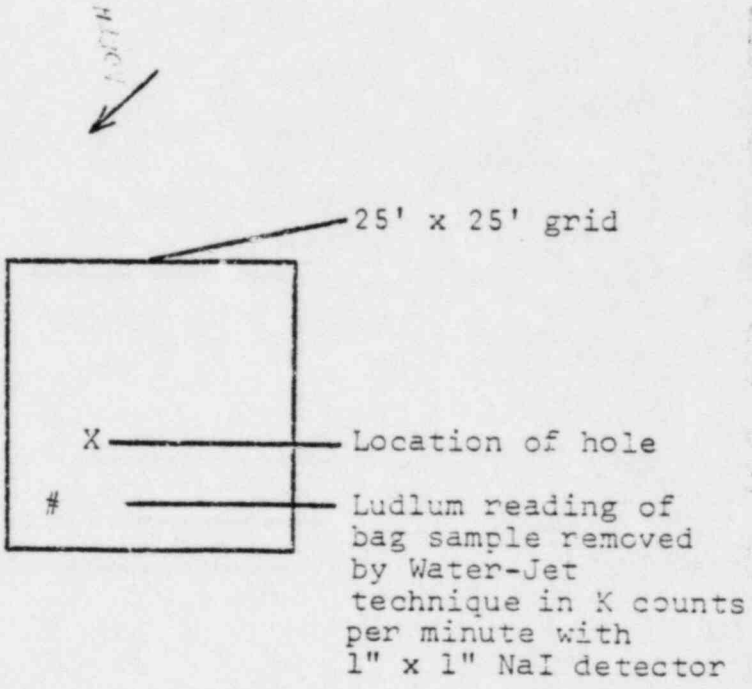
FIGURE 4.d(4)

RADIOLOGICAL DATA ON WATER JETTED HOLES

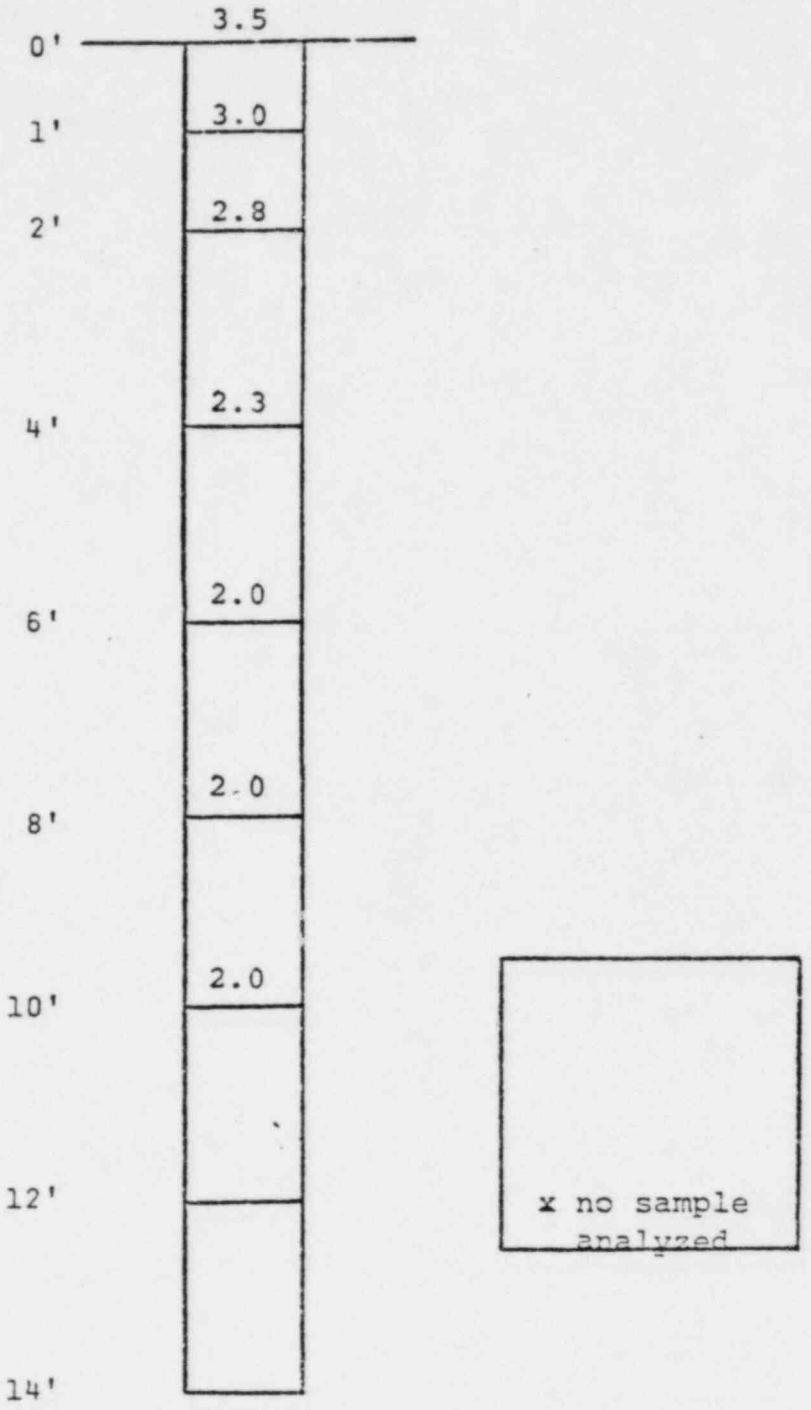




Grid No.

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

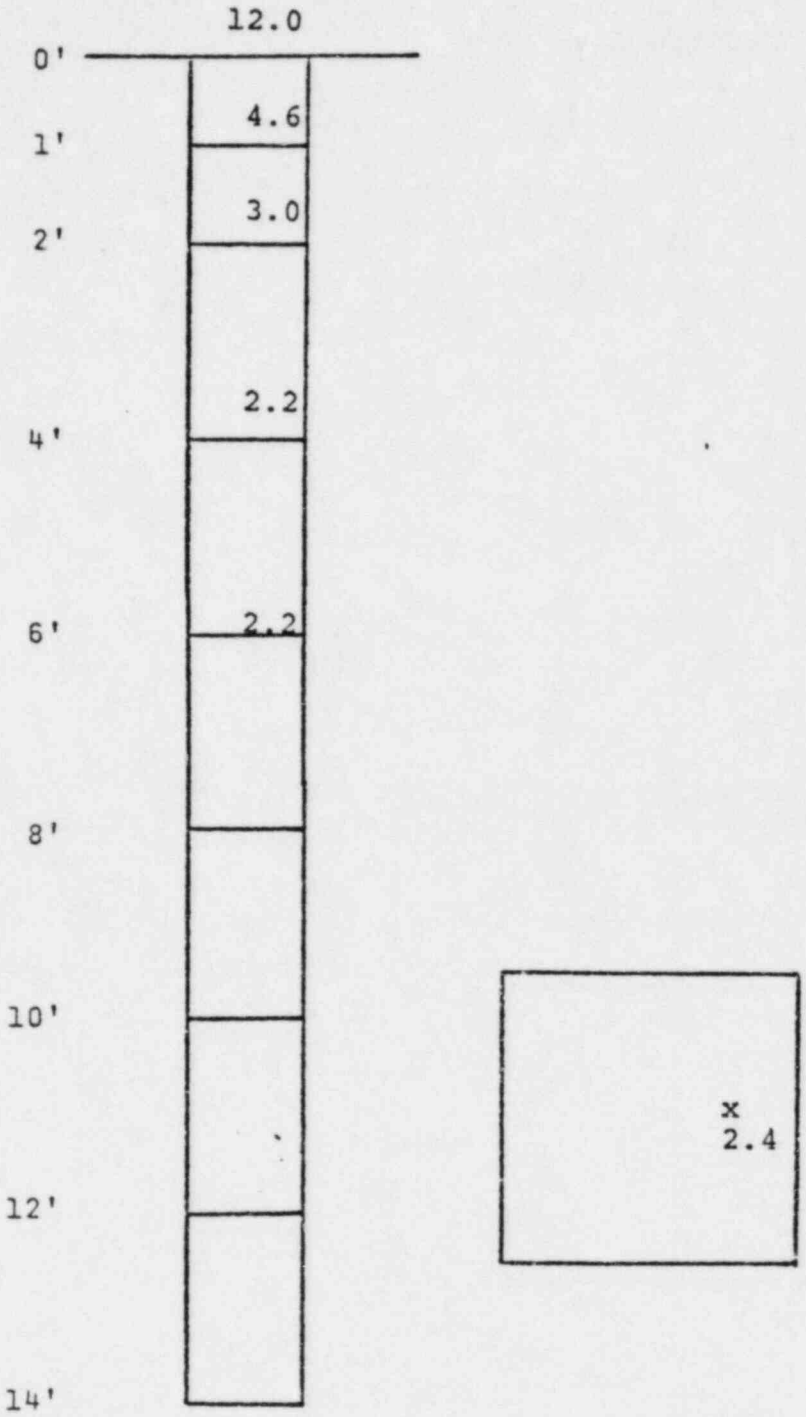


Grid No. 579

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

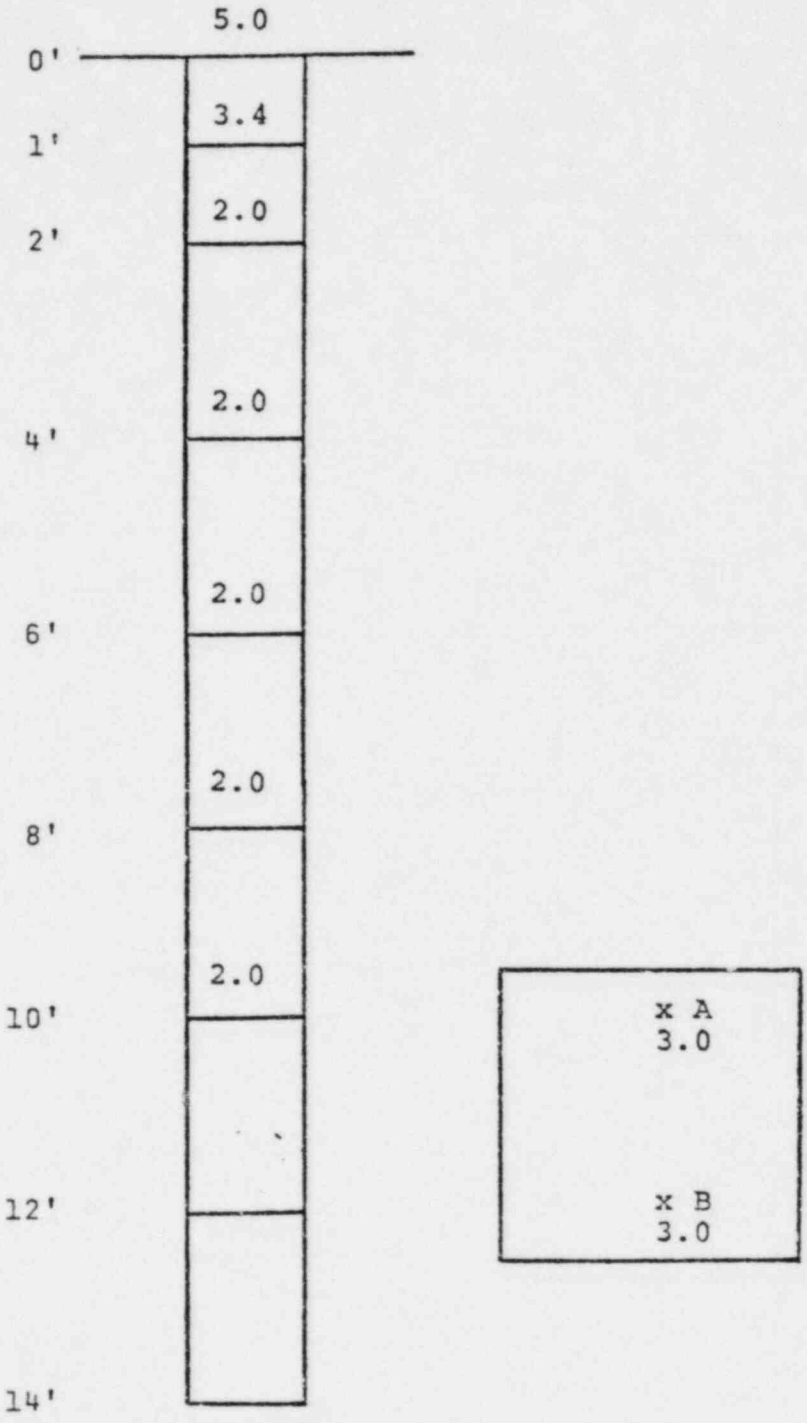


Grid No. 580

ATCOF

TABLE 4.d(5)

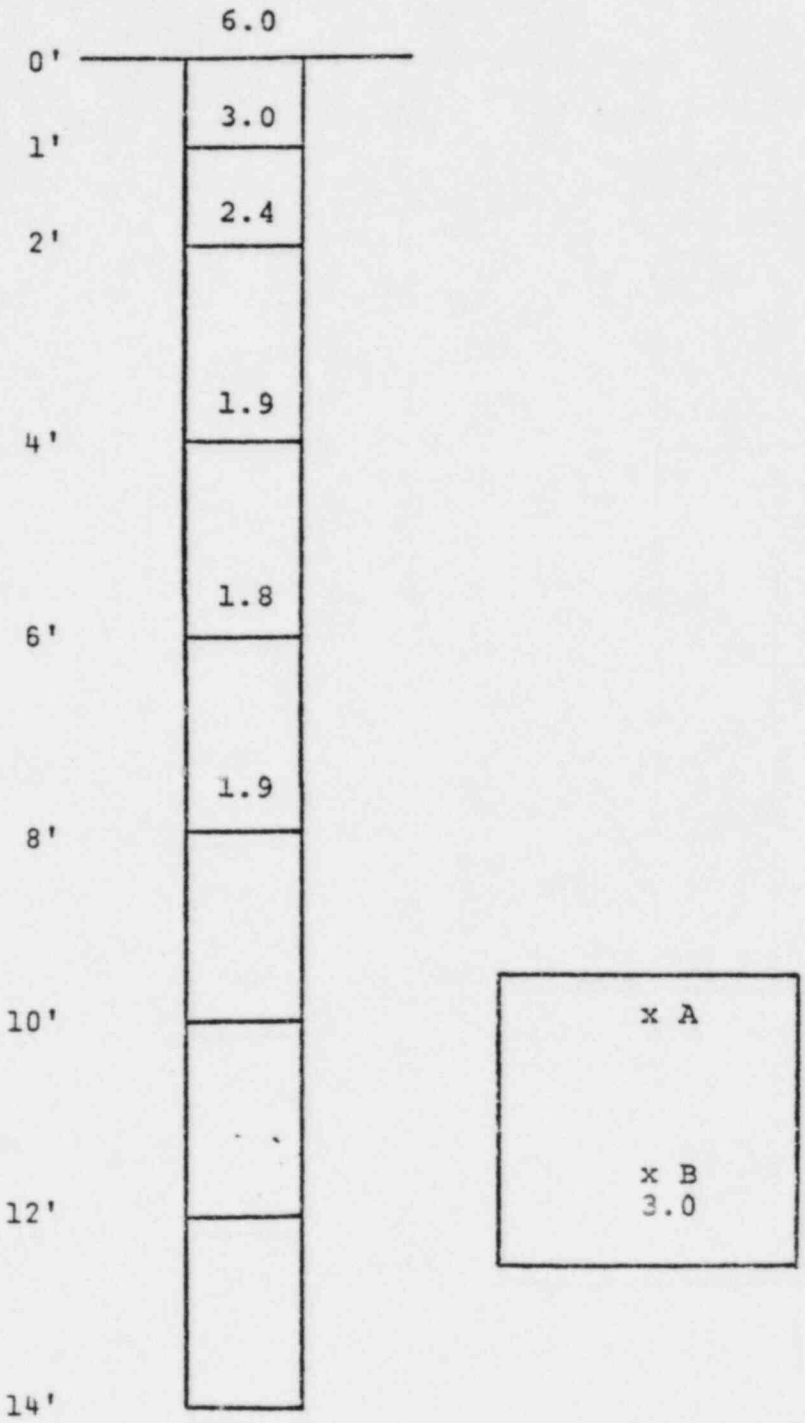
RADIOLOGICAL DATA ON WATER JETTED HOLES



Grid No. 581-A

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

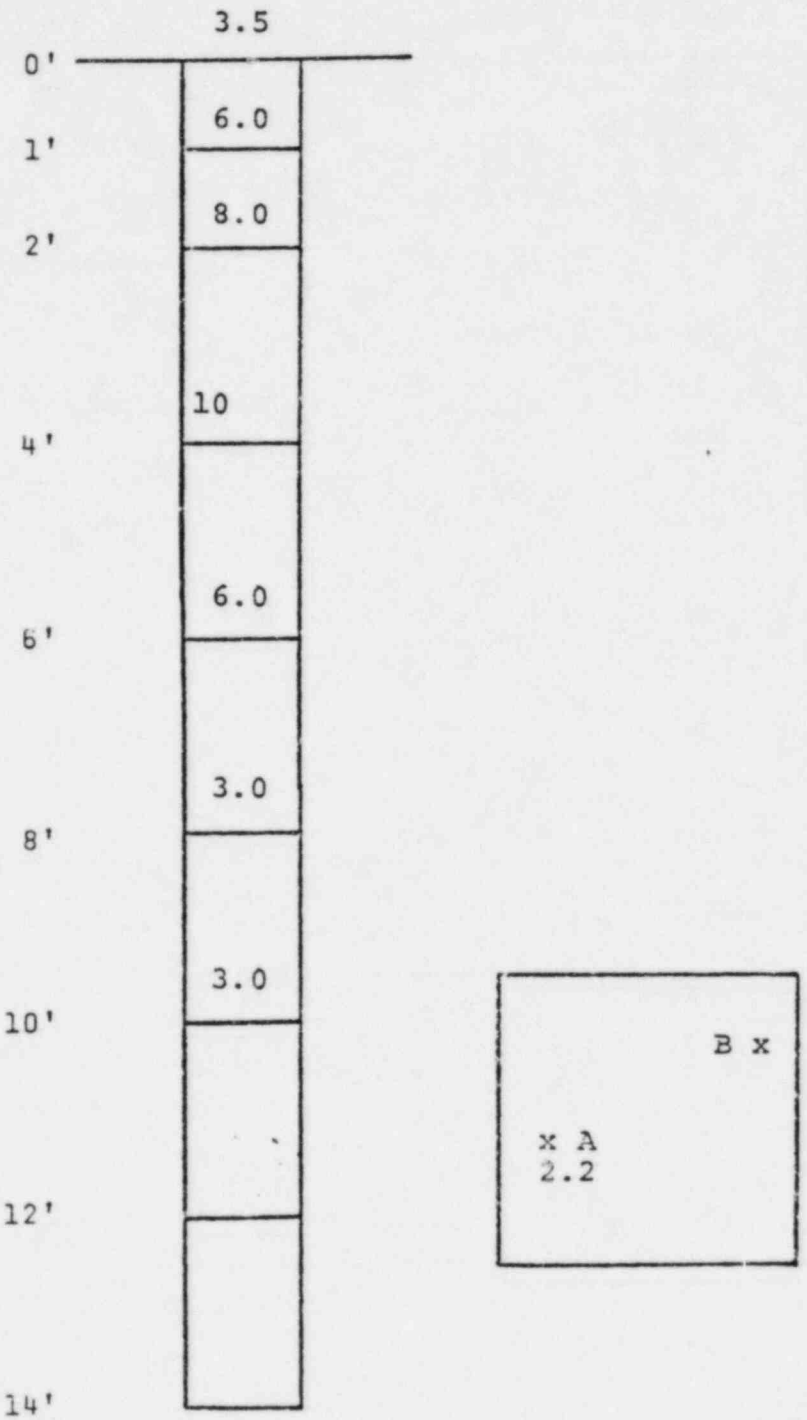


Grid No. 581-B

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

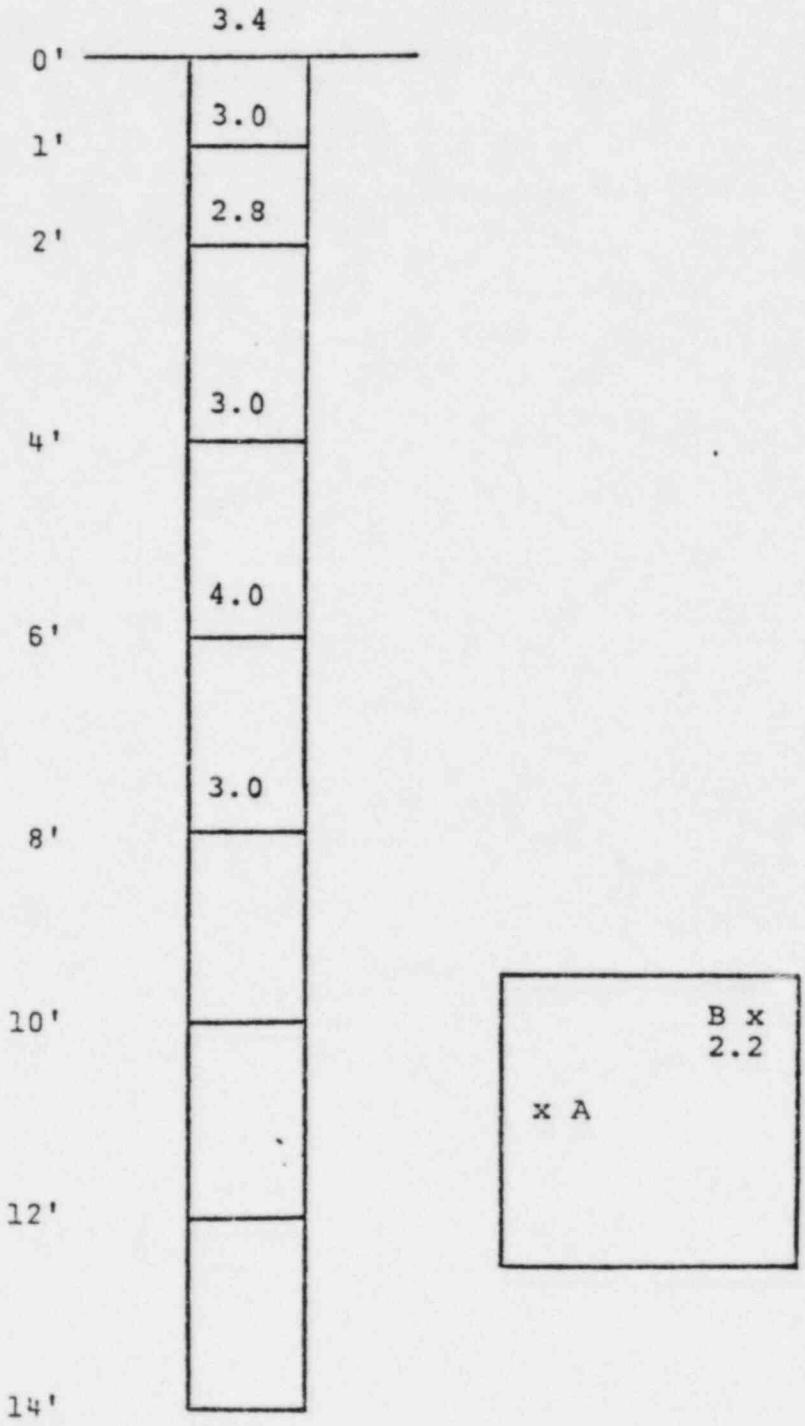


Grid No. 607-A

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

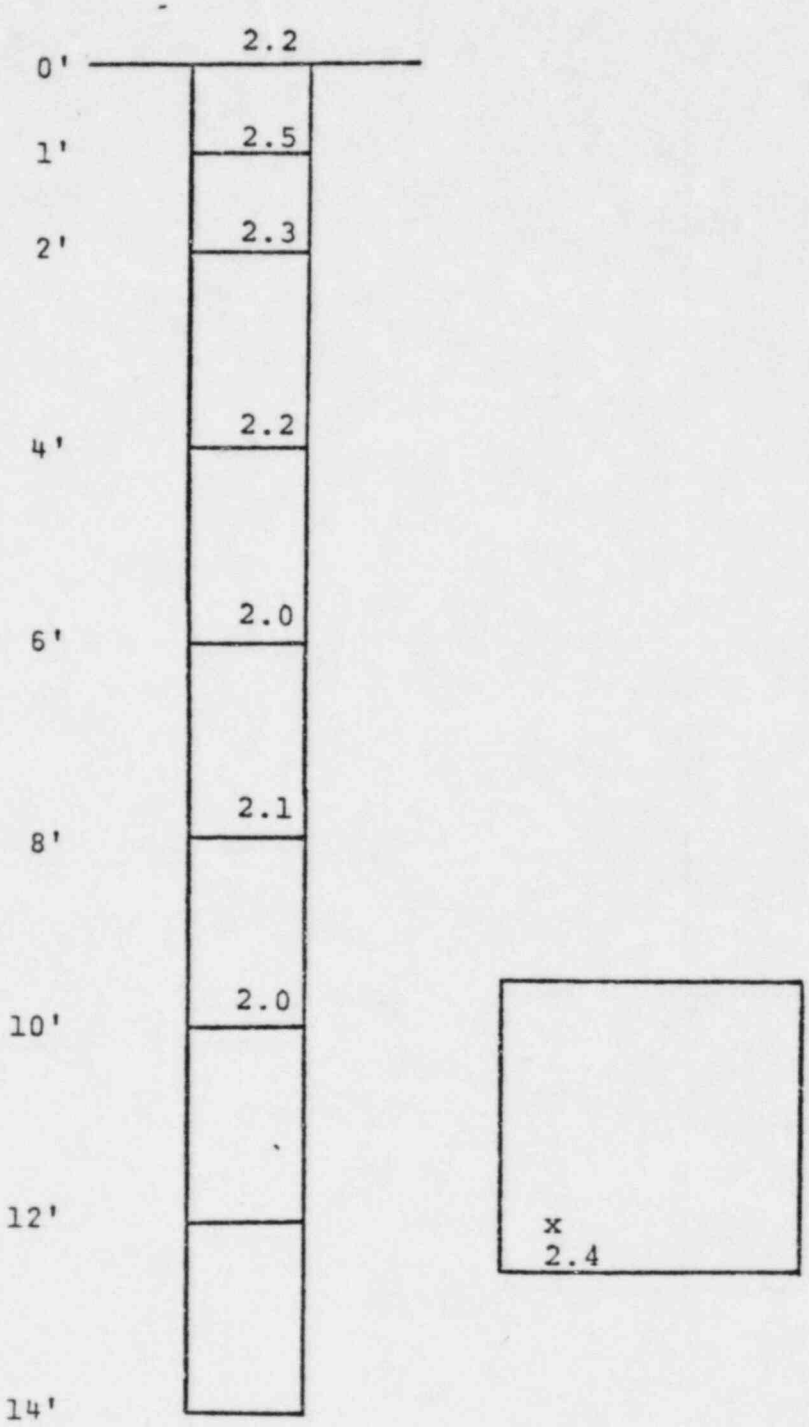


Grid No. 607-B

ATCOF

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

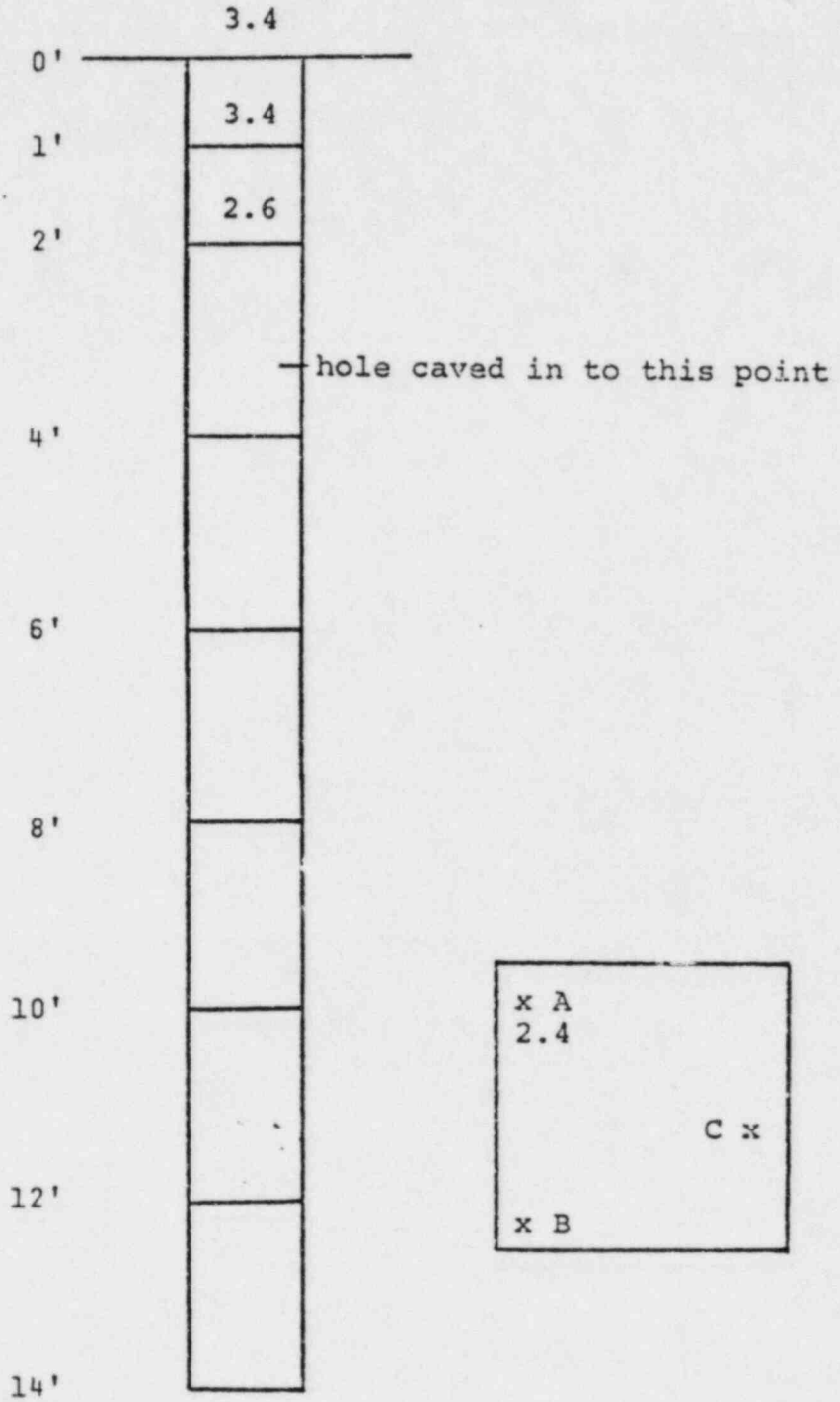


Grid No. 620

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

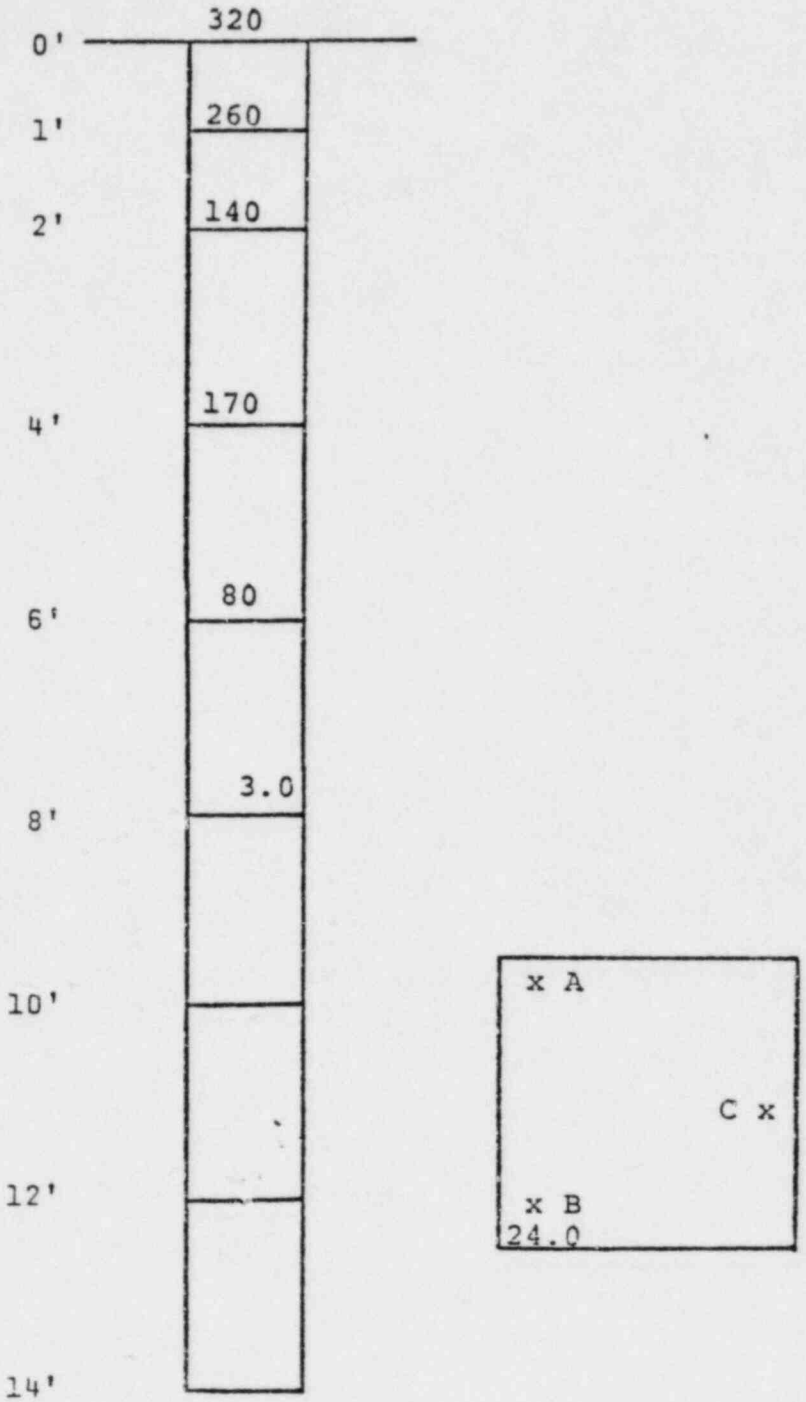


Grid No. 635-A

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

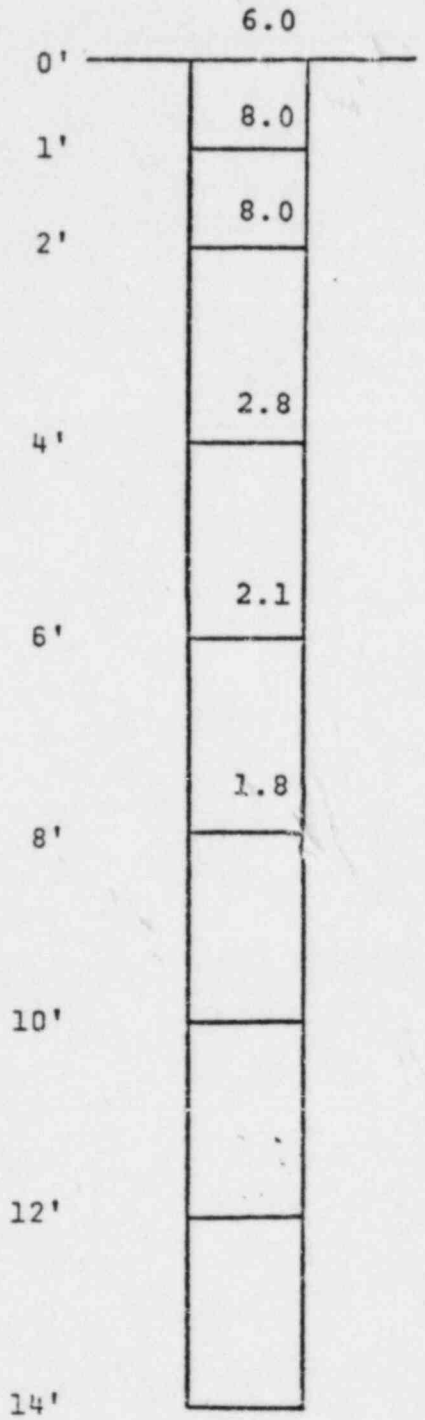


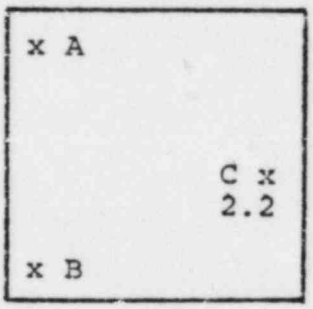
Grid No. 635-B

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES



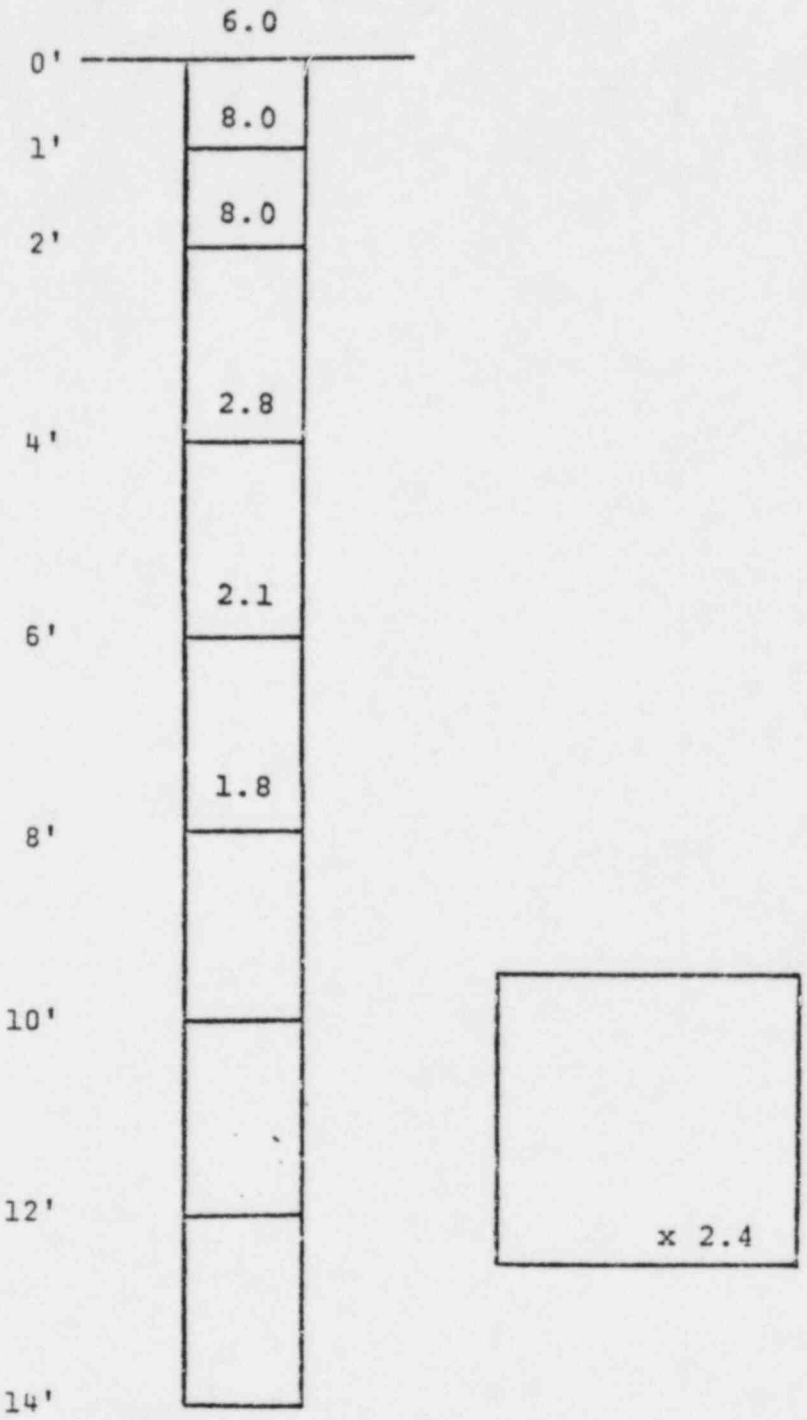


Grid No. 635-C

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

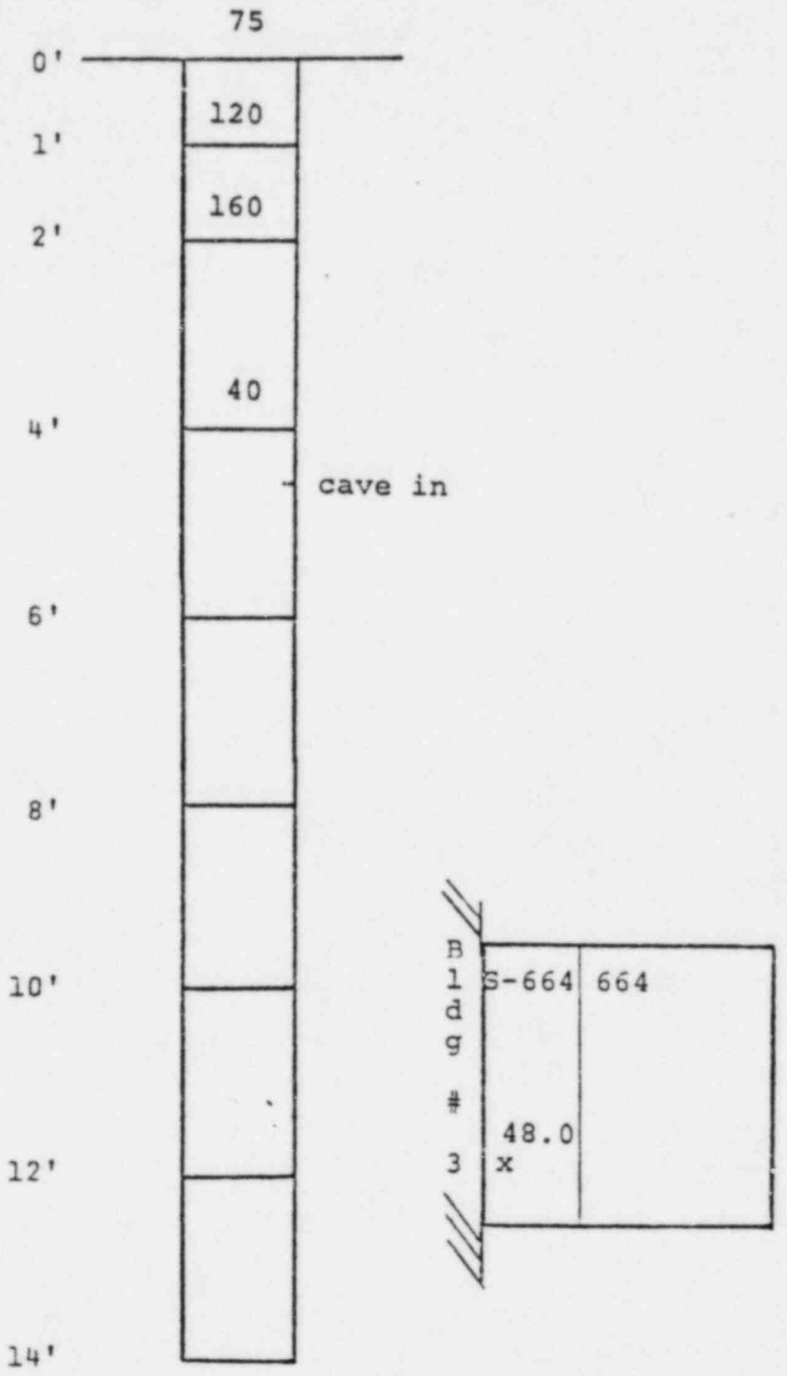


Grid No. 636

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

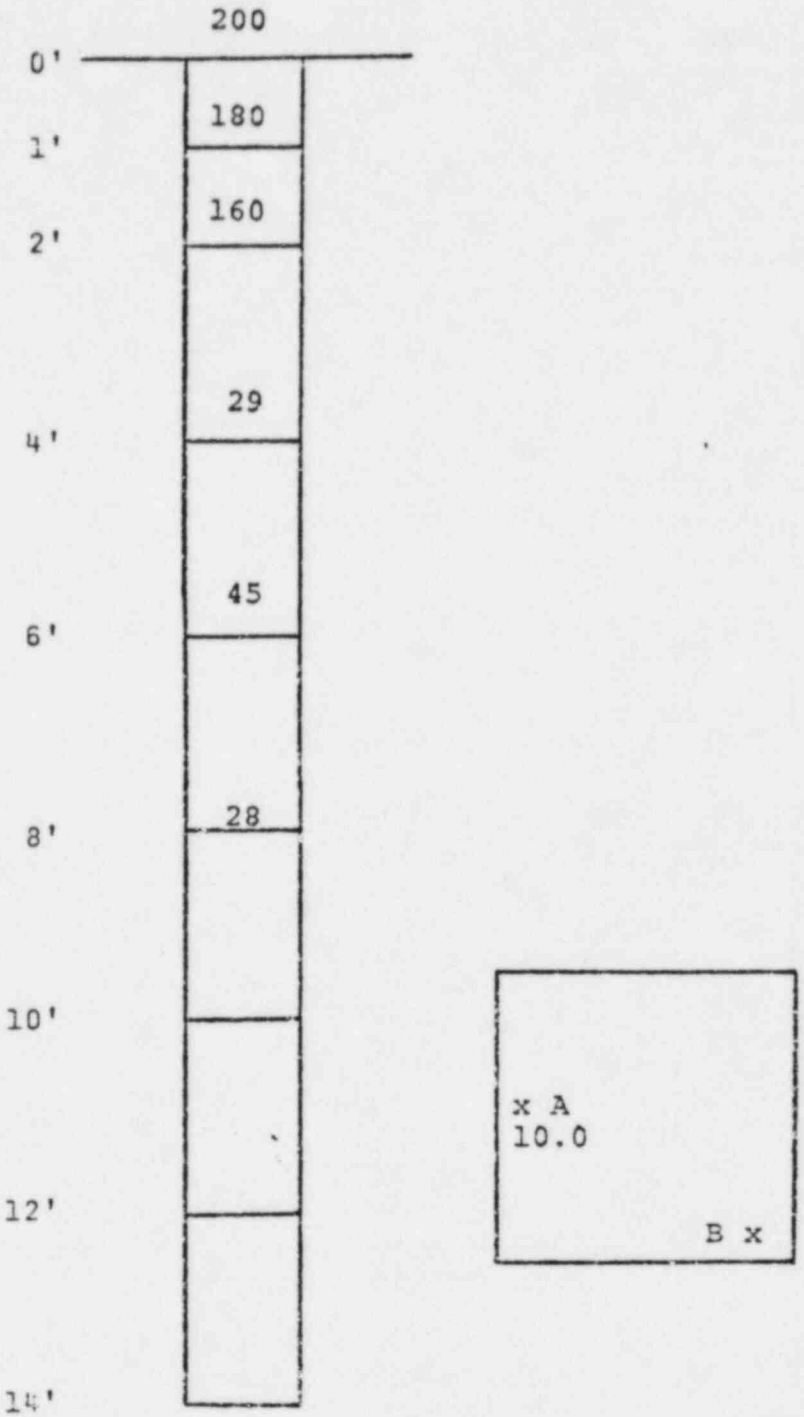


Grid No. S-664

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

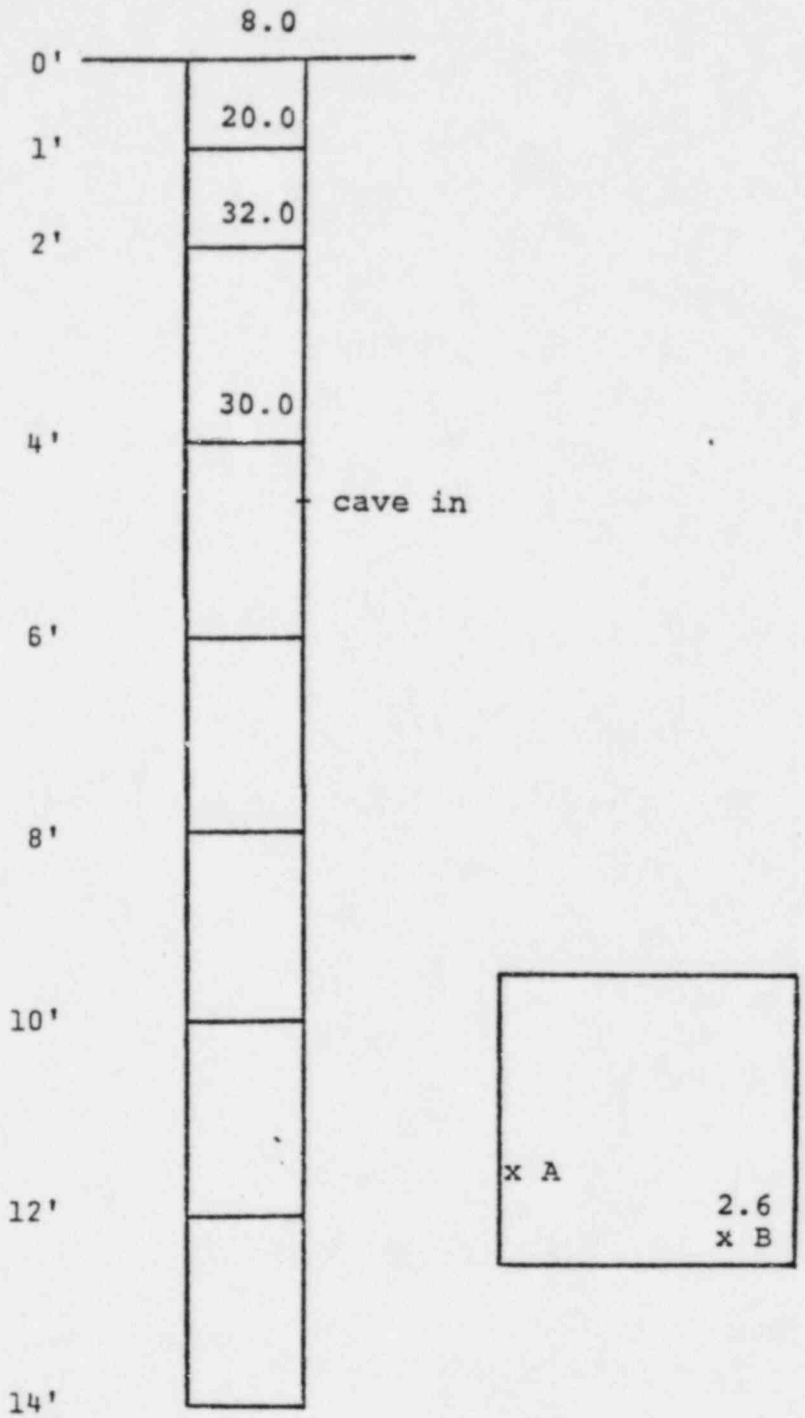


Grid No. 664-A

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

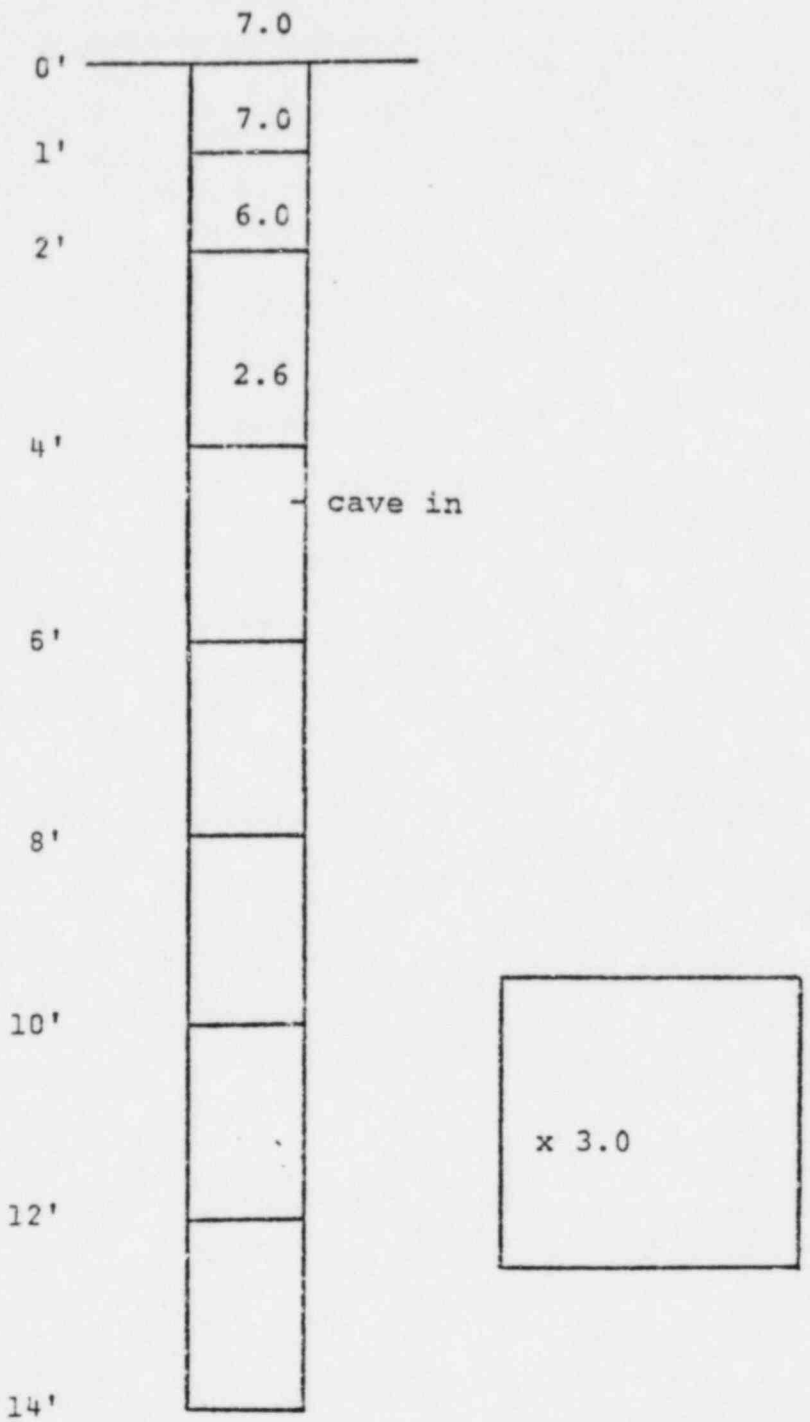


Grid No. 664-B

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

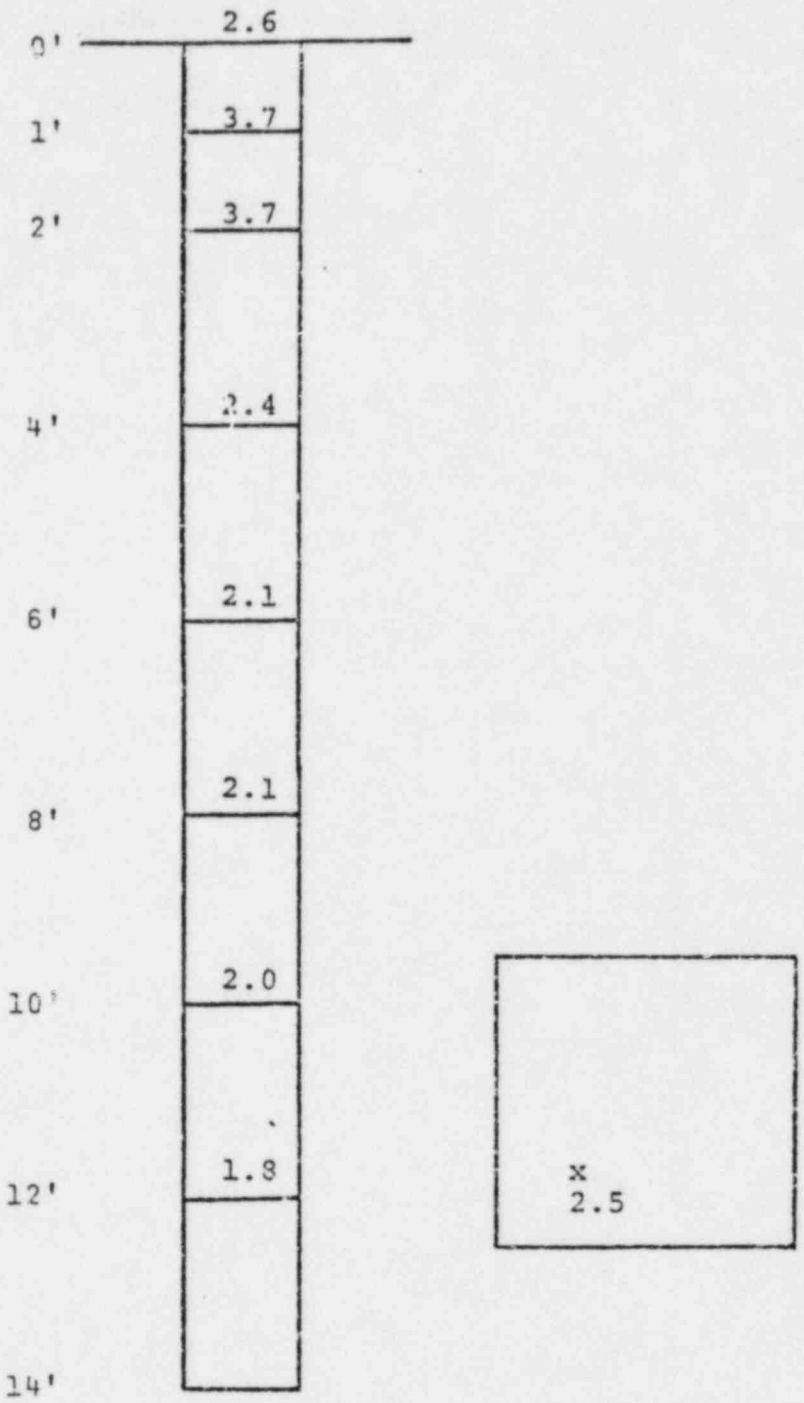


Grid No. 666

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

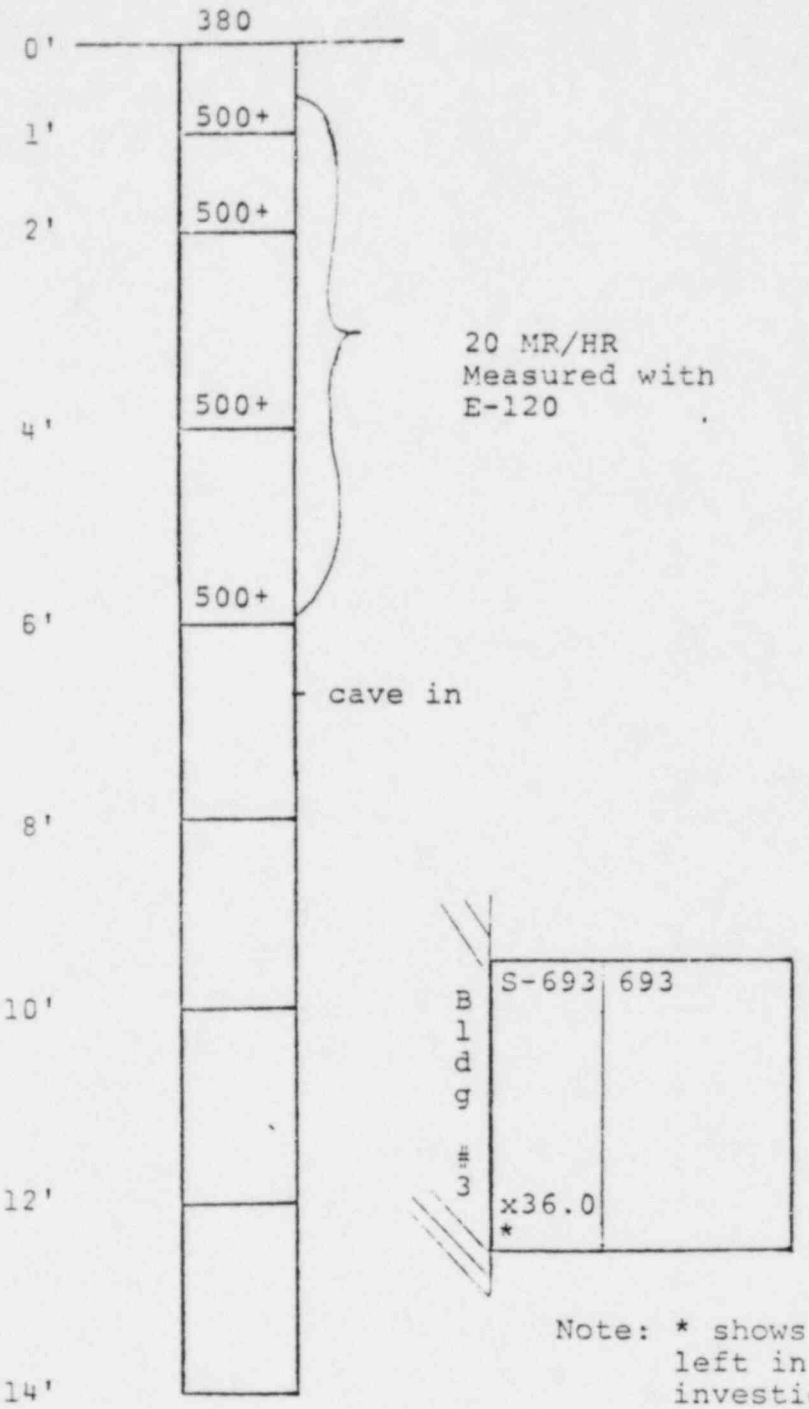


Grid No. 677

ATCOR

TABLE 4.c(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES



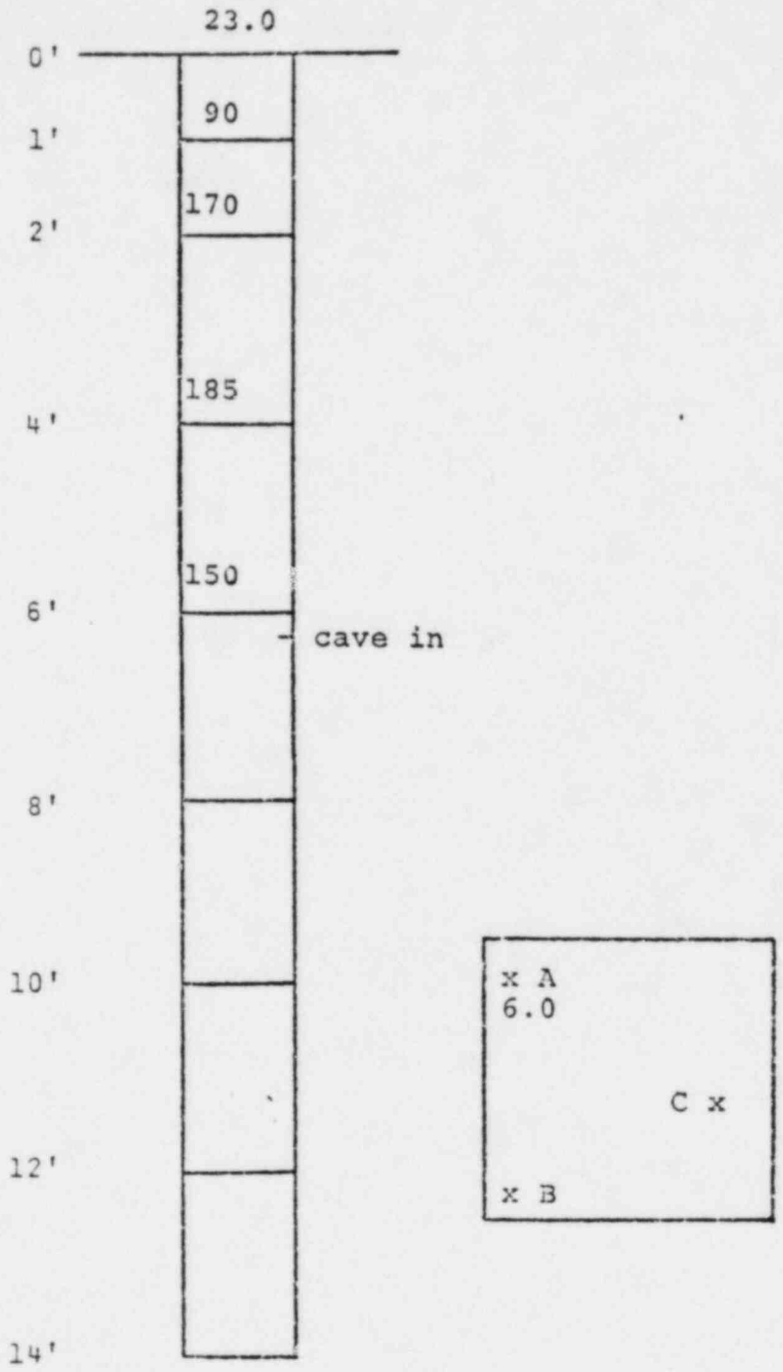
Note: * shows location of pipe left in ground for future investigation.

Grid No. S-693

ATCOR

TABLE 4.d(5)

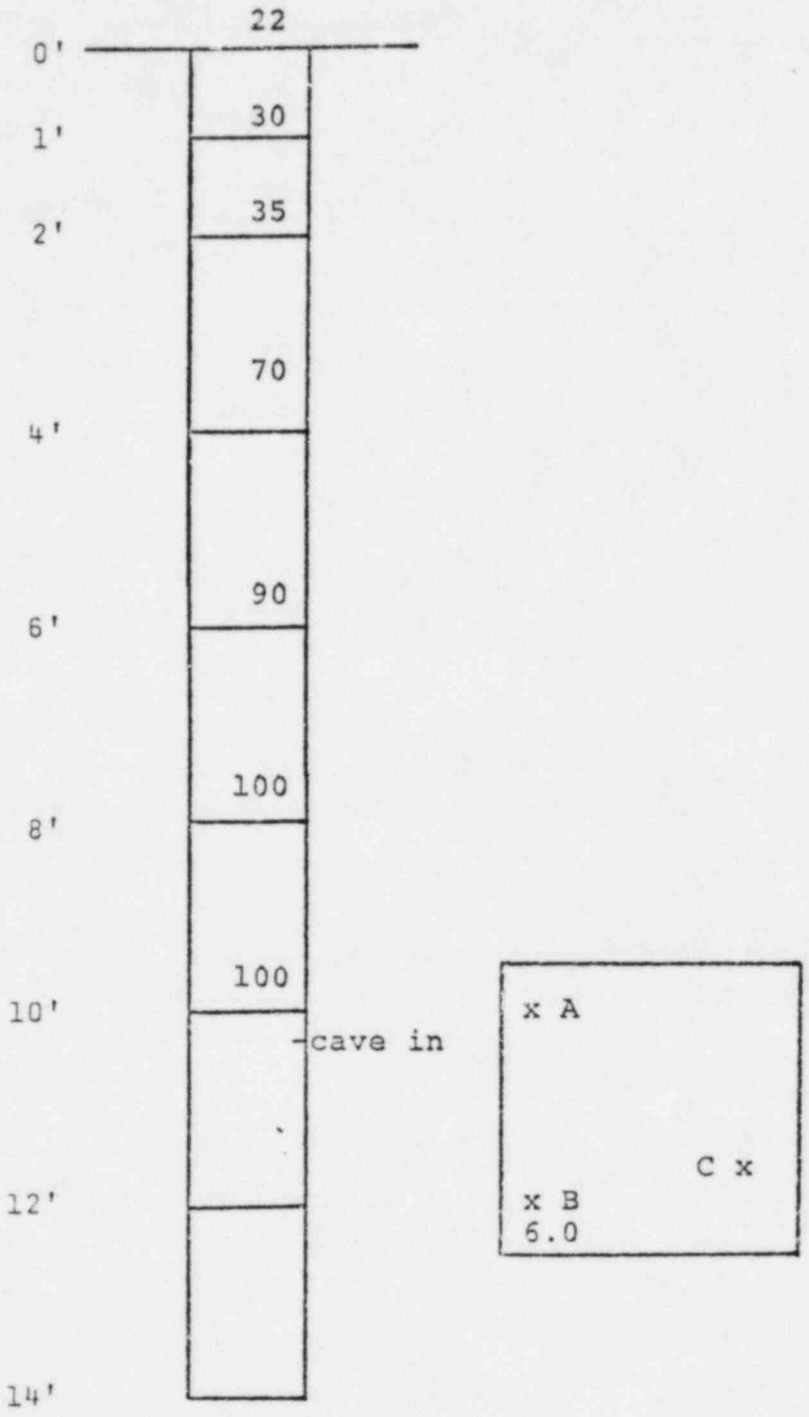
RADIOLOGICAL DATA ON WATER JETTED HOLES



Grid No. 693-A

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

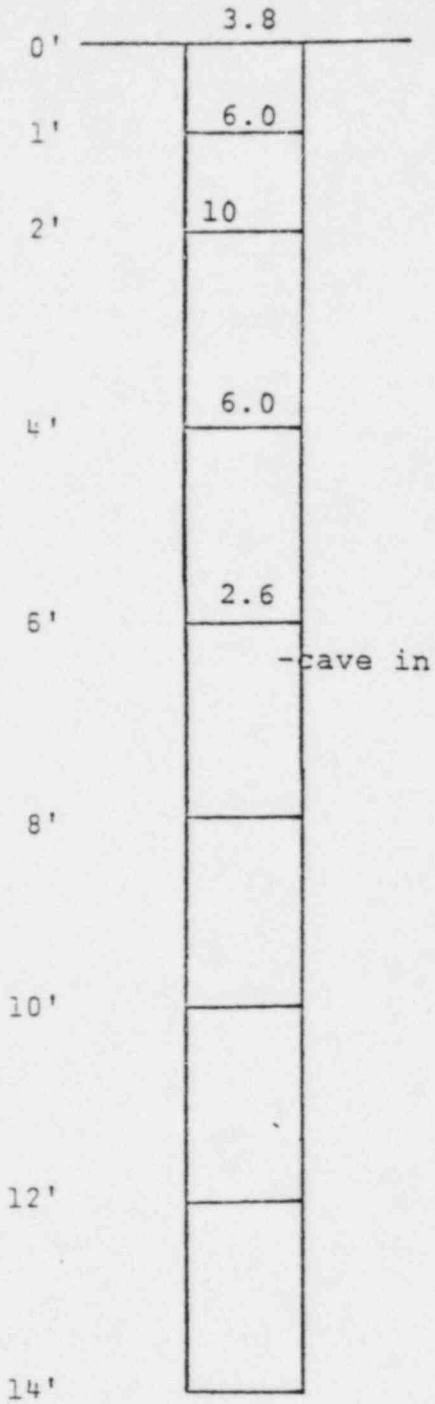


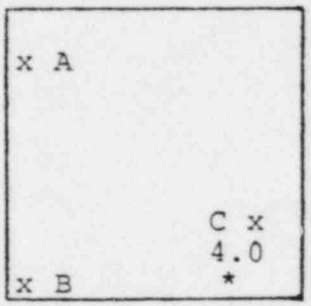
Grid No. 693.-B

ATCOR

TABLE 4.6(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES





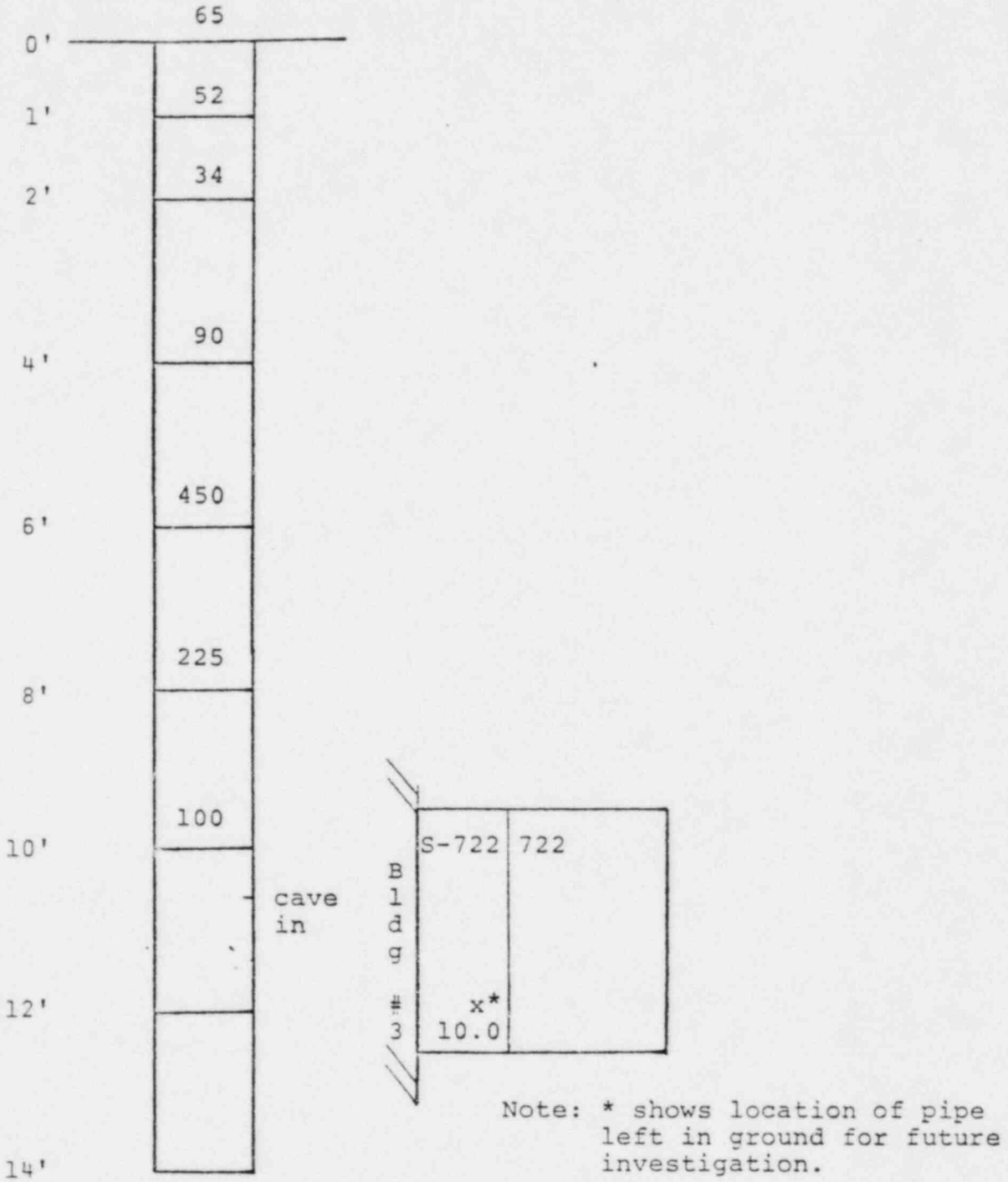
Note: * shows location of pipe left in ground for future investigation.

Grid No. 693-C

ATCOR

TABLE 4.c(8)

RADIOLOGICAL DATA ON WATER JETTED HOLES



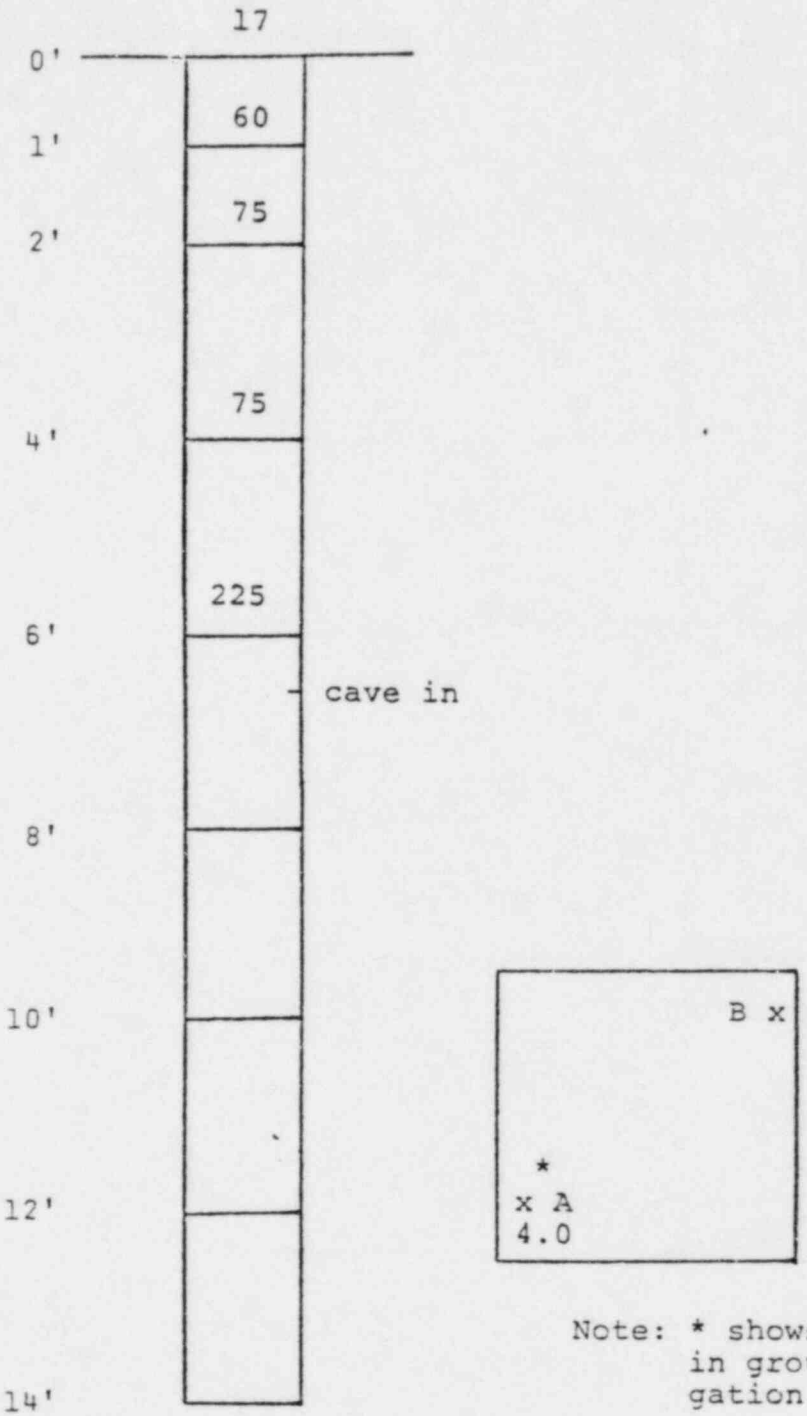
Note: * shows location of pipe left in ground for future investigation.

Grid No. S-722

ATCOR

TABLE 4.c(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

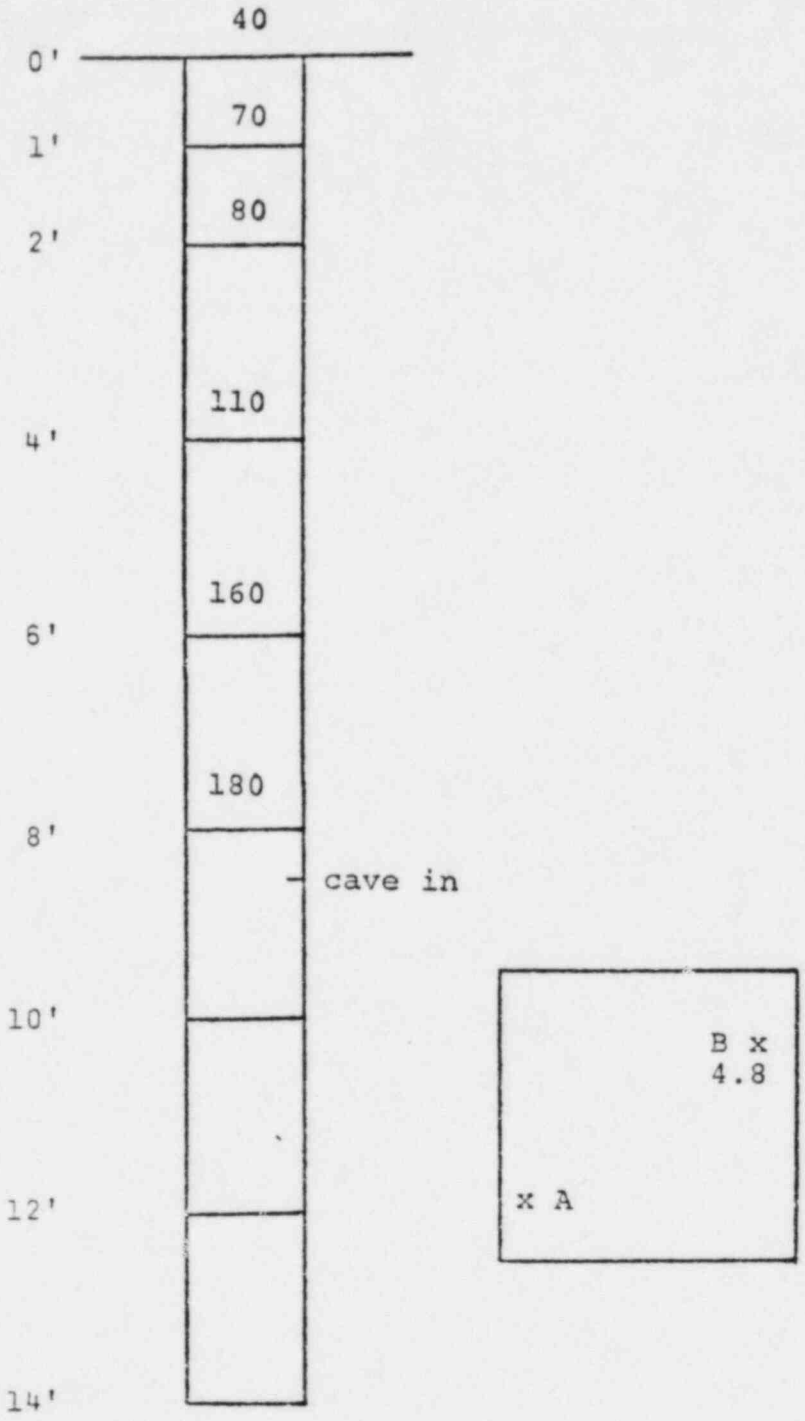


Note: * shows location of pipe left in ground for future investigation.

Grid No. 722-A

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

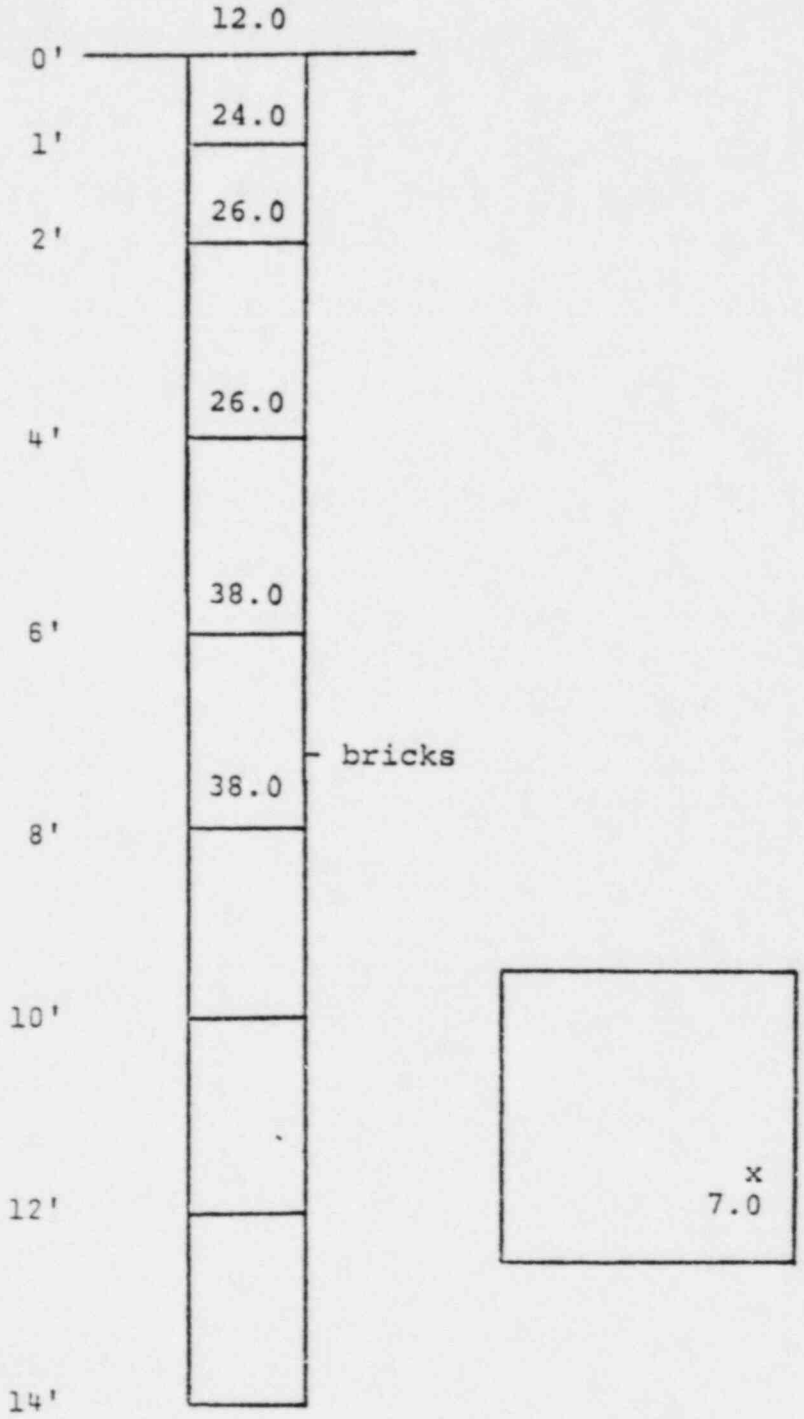


Grid No. 722-B

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

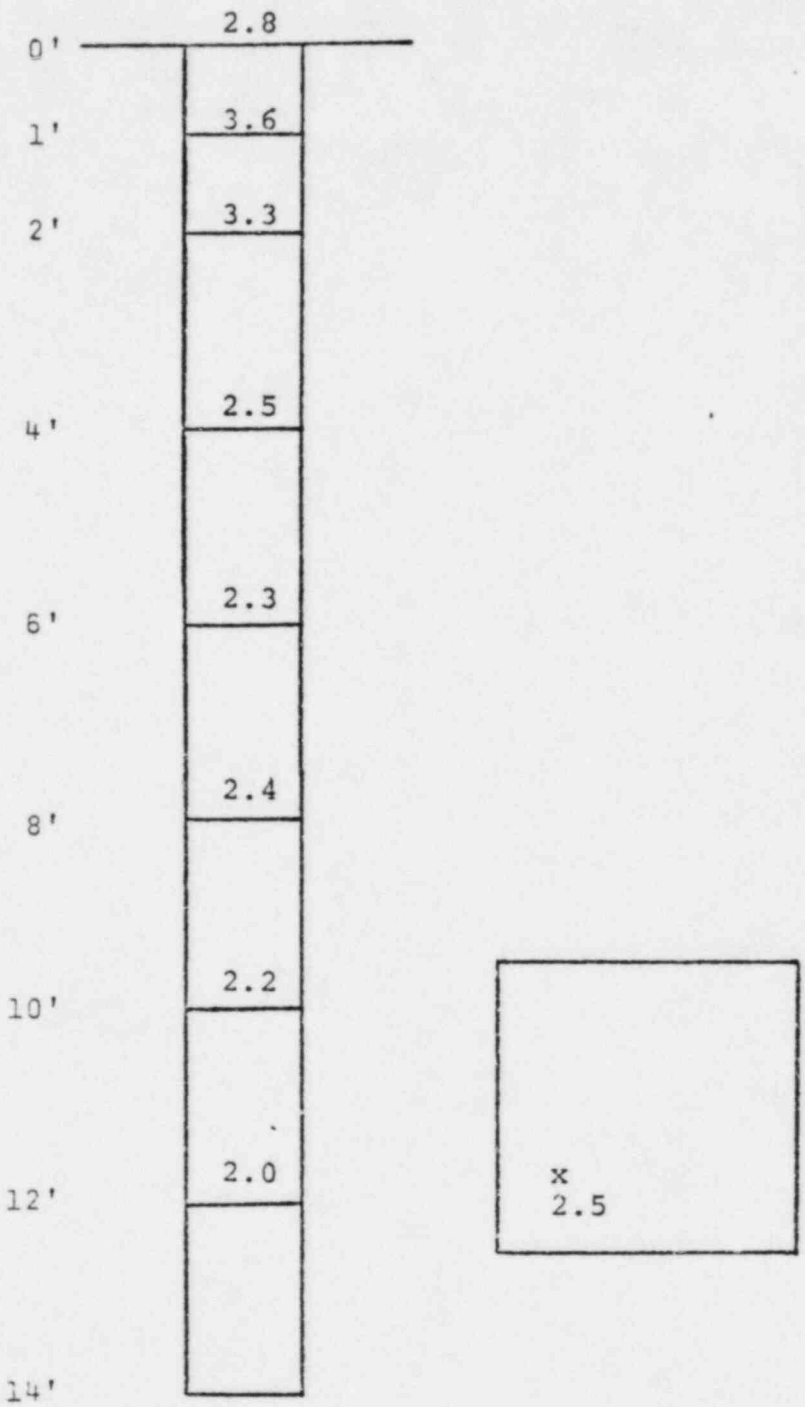


Grid No. 724

ATCOR

TABLE 4.d(5)

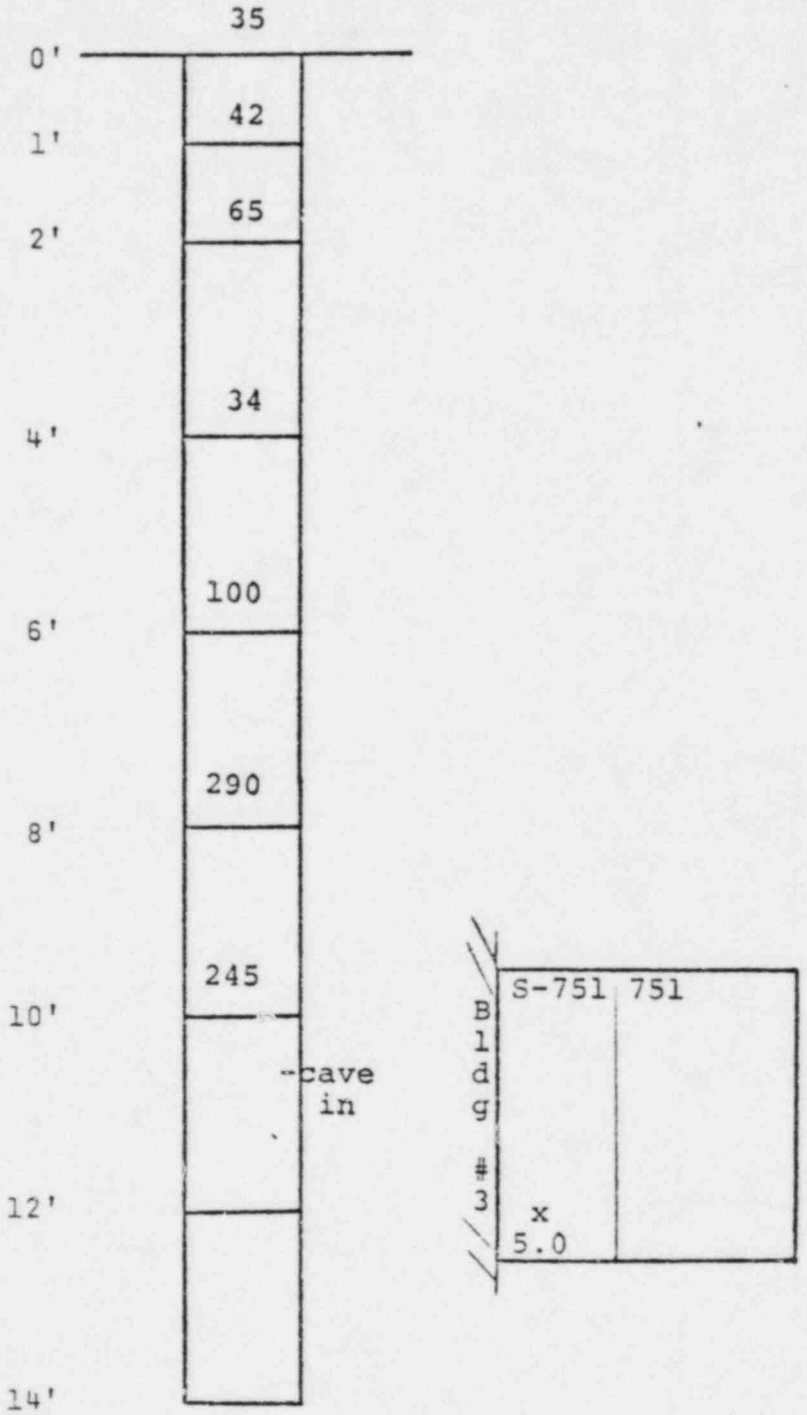
RADIOLOGICAL DATA ON WATER JETTED HOLES



Grid No. 735

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

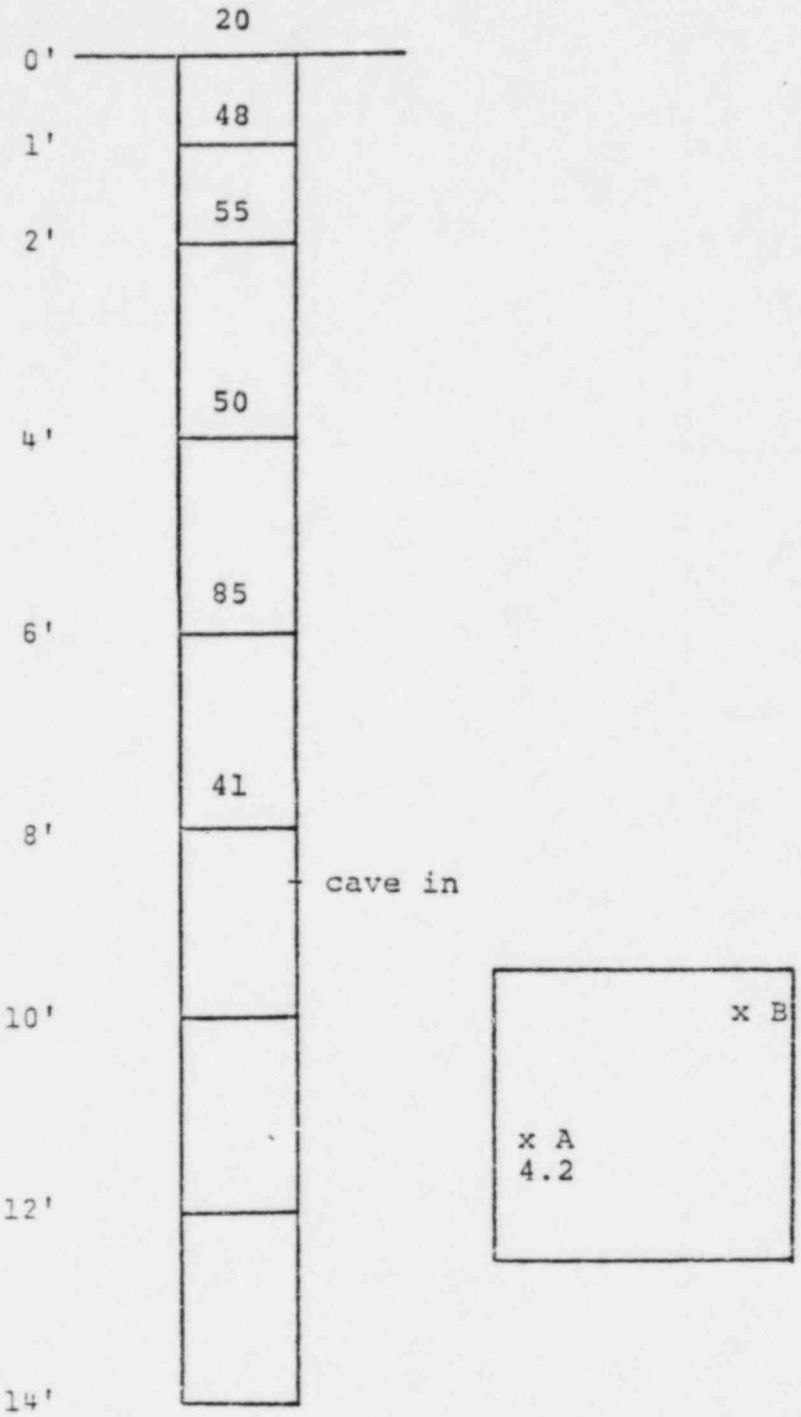


Grid No. S-751

ATCOF.

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

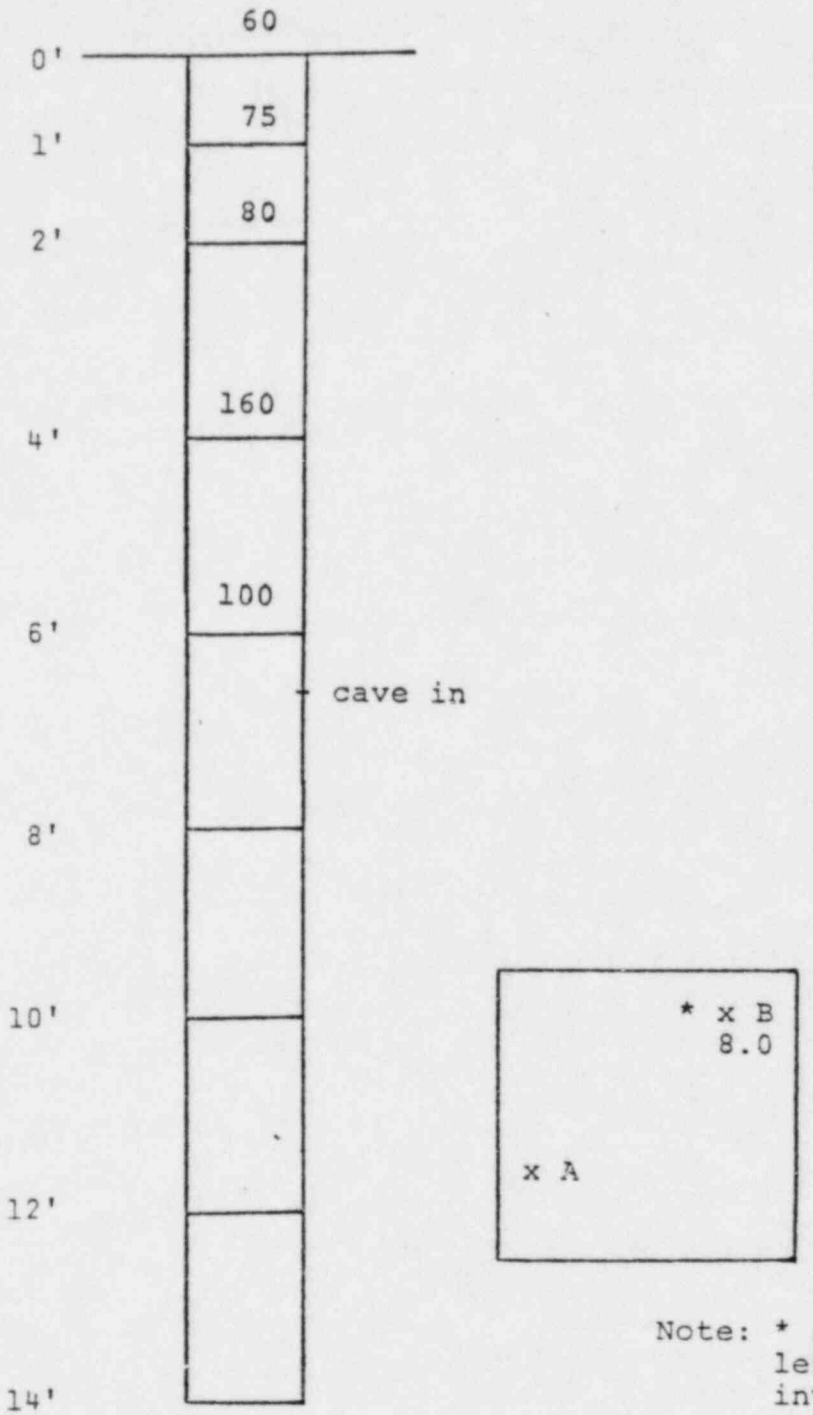


Grid No. 751-A

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES



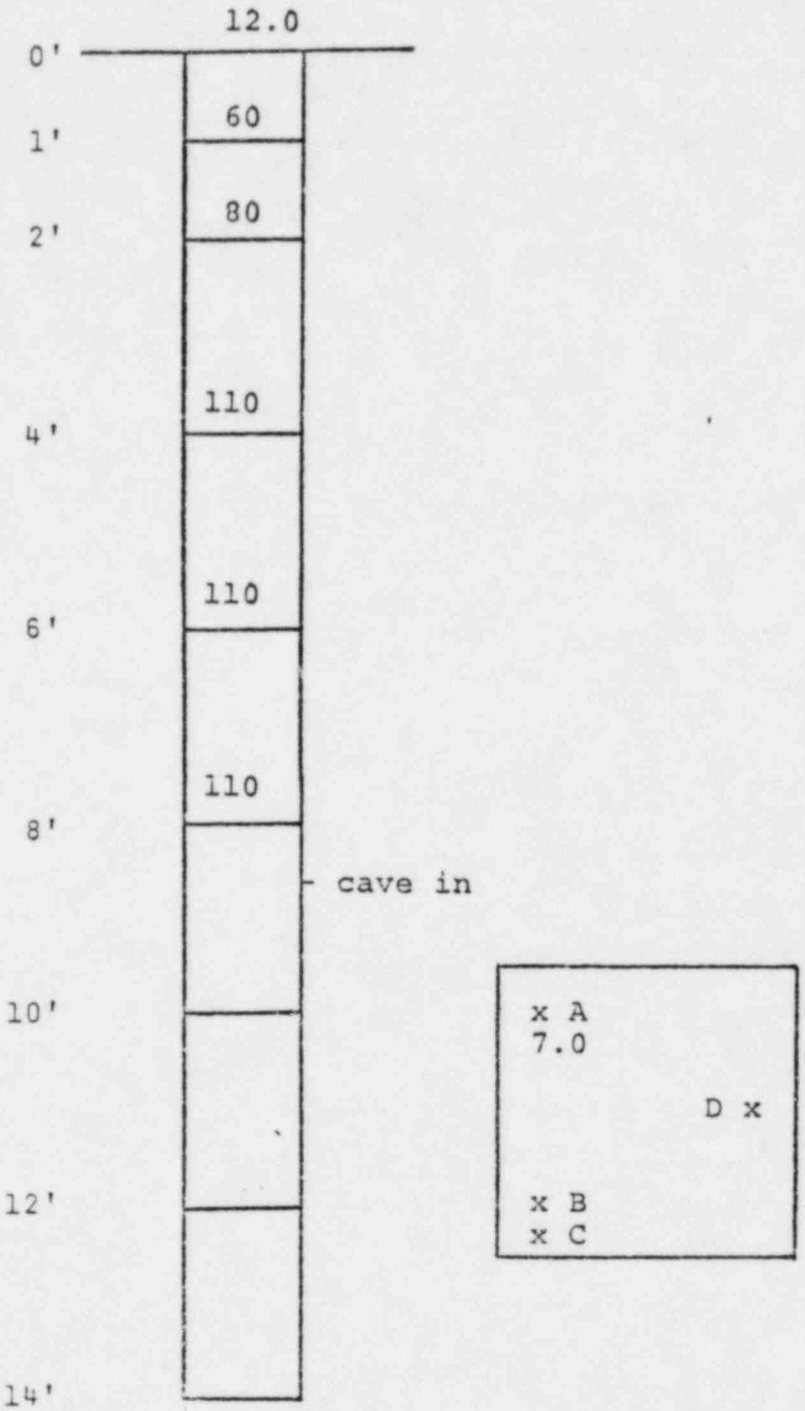
Note: * shows location of pipe left in ground for future investigation

Grid No. 751-B

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

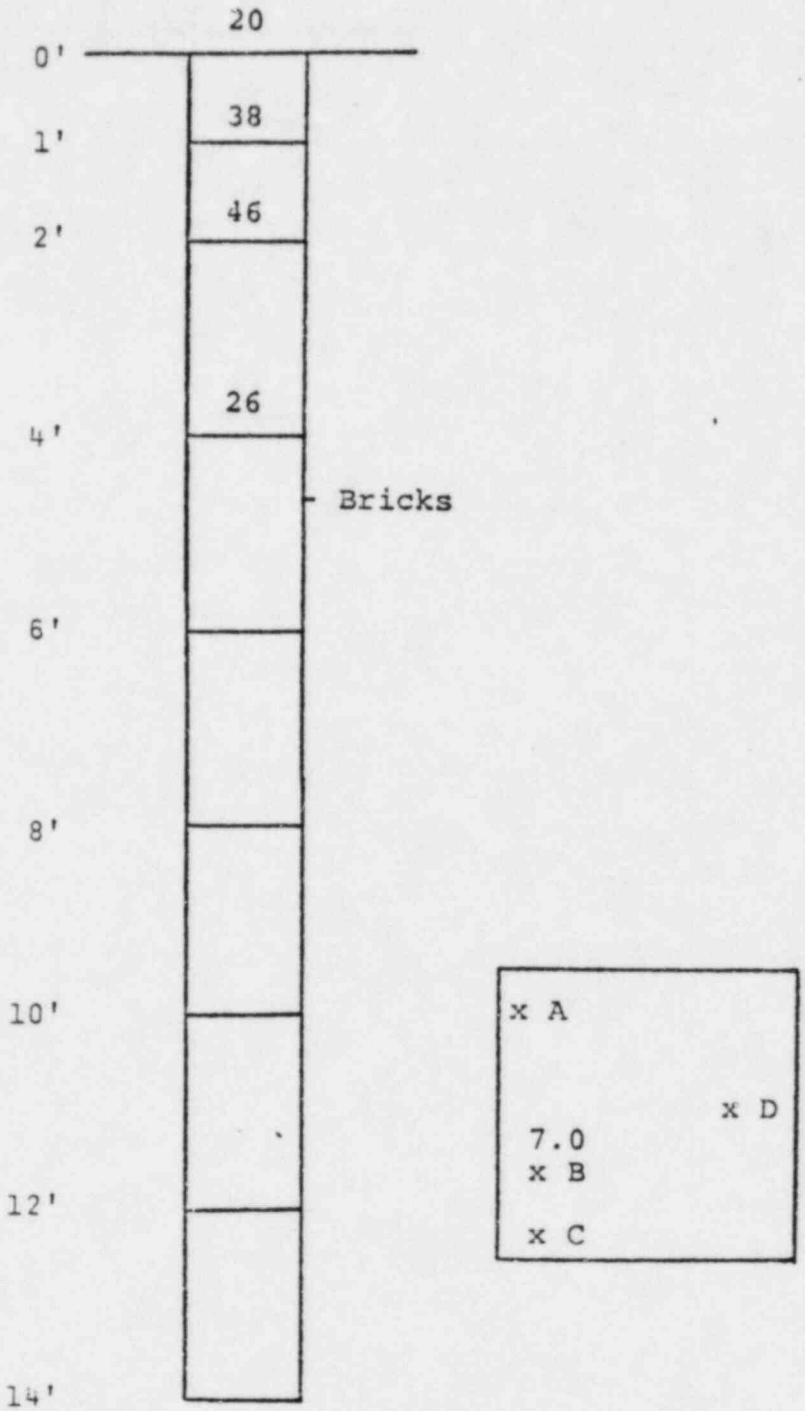


Grid No. 753-A

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

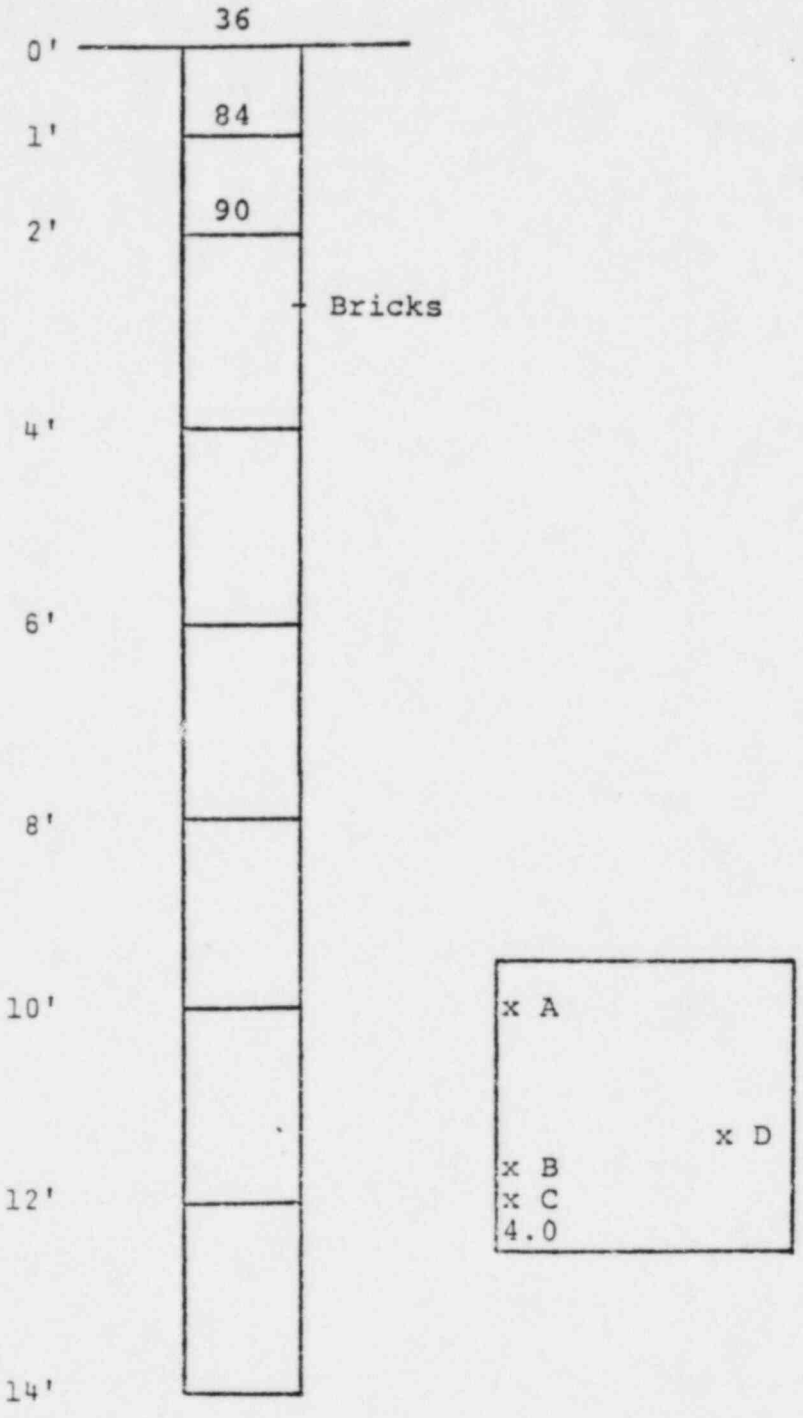


Grid No. 753-B

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

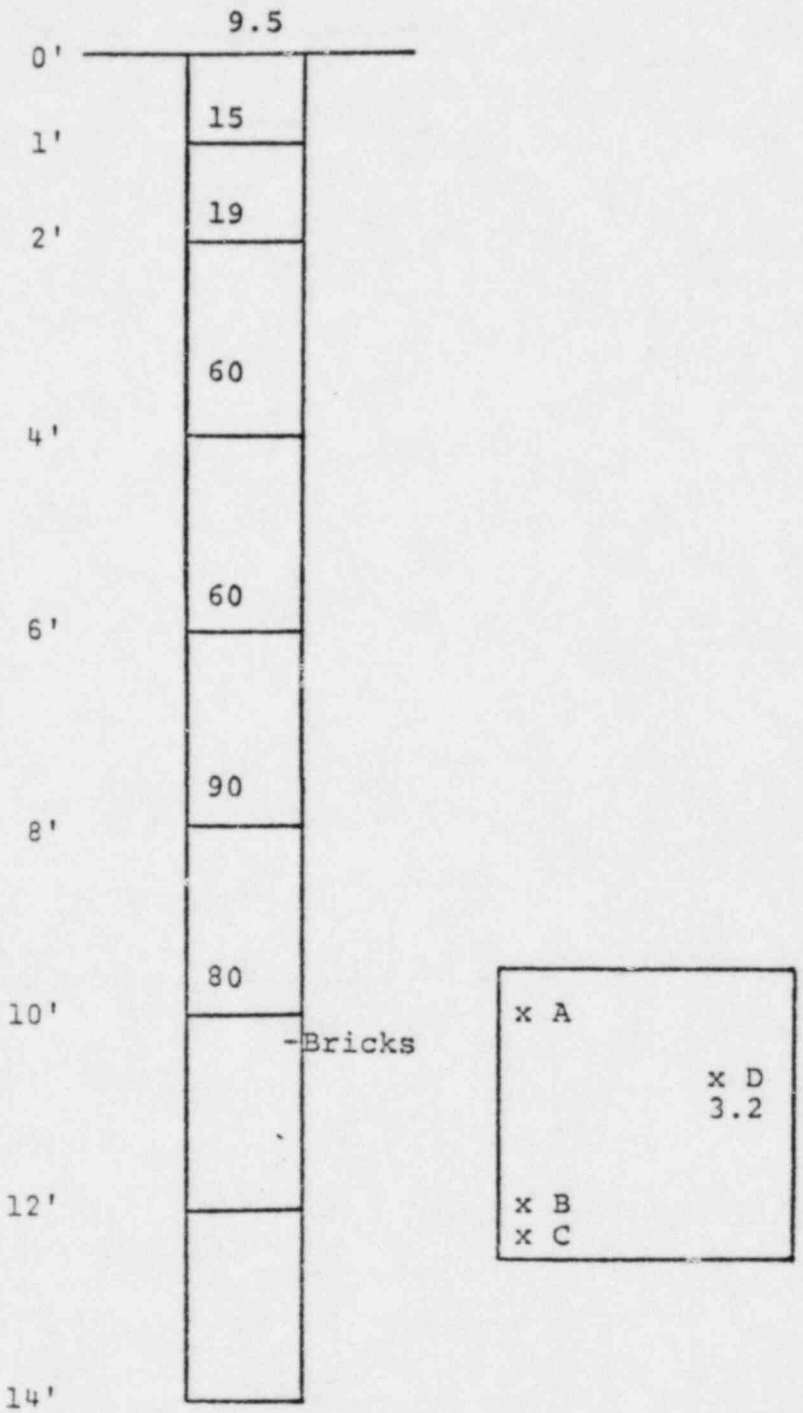


Grid No. 753-C

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

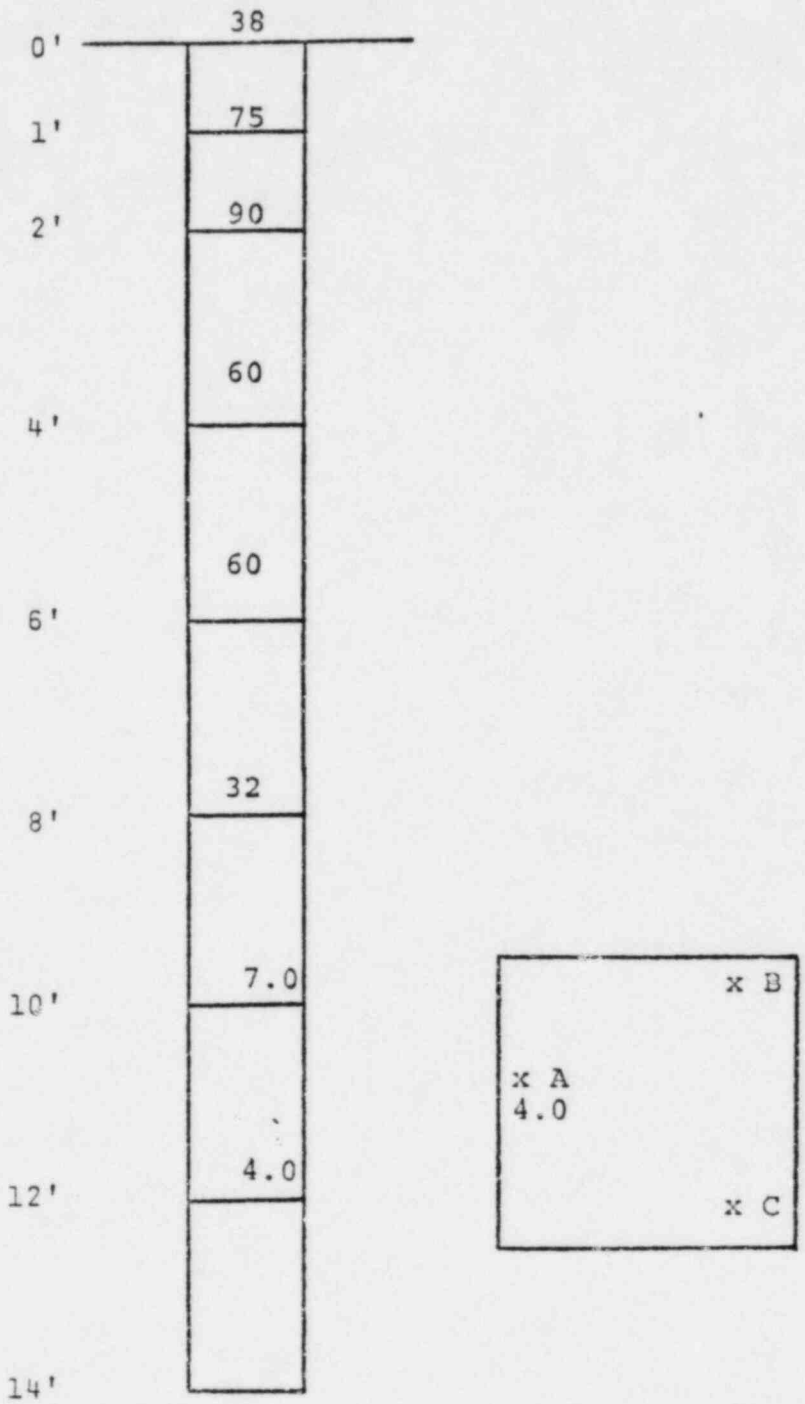


Grid No. 753-D

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

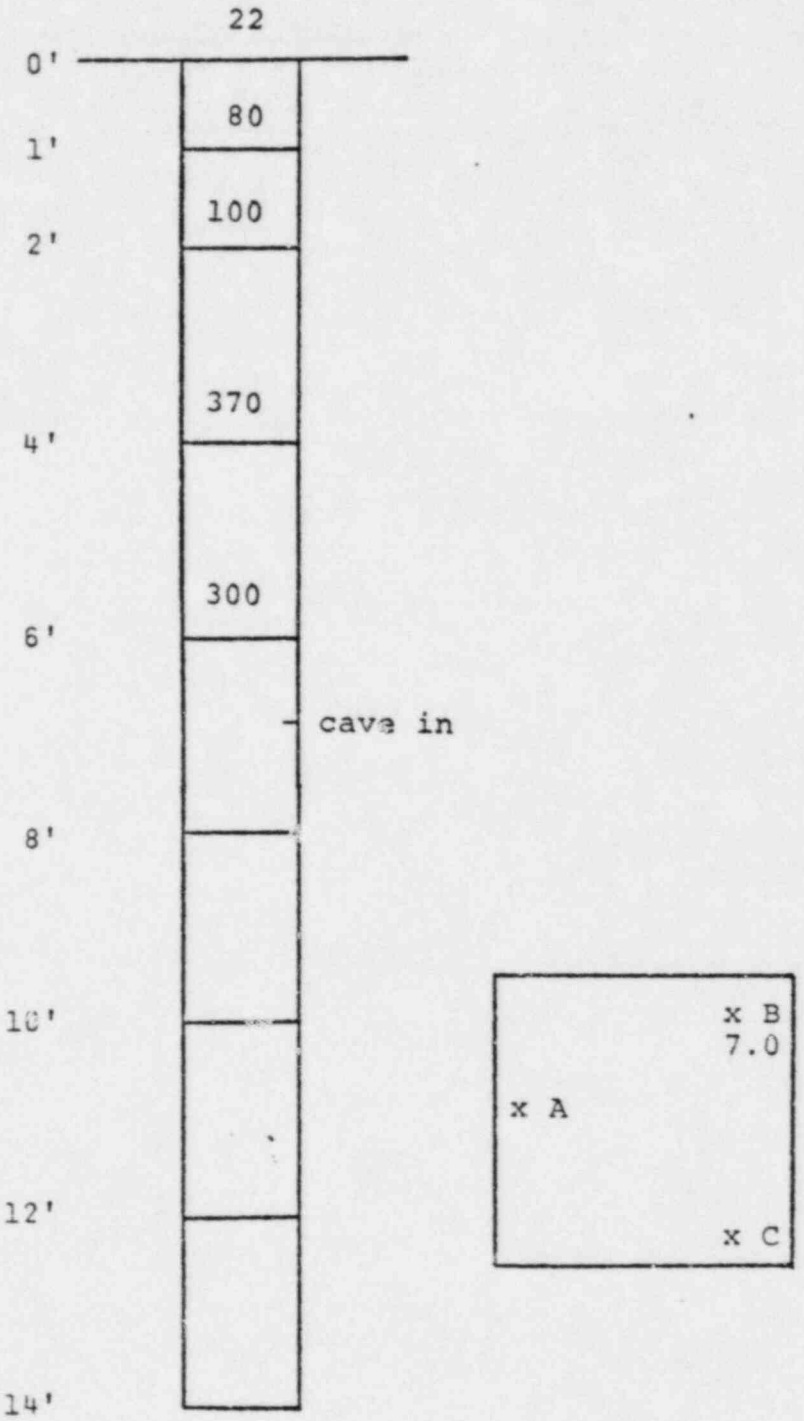


Grid No. 780-A

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

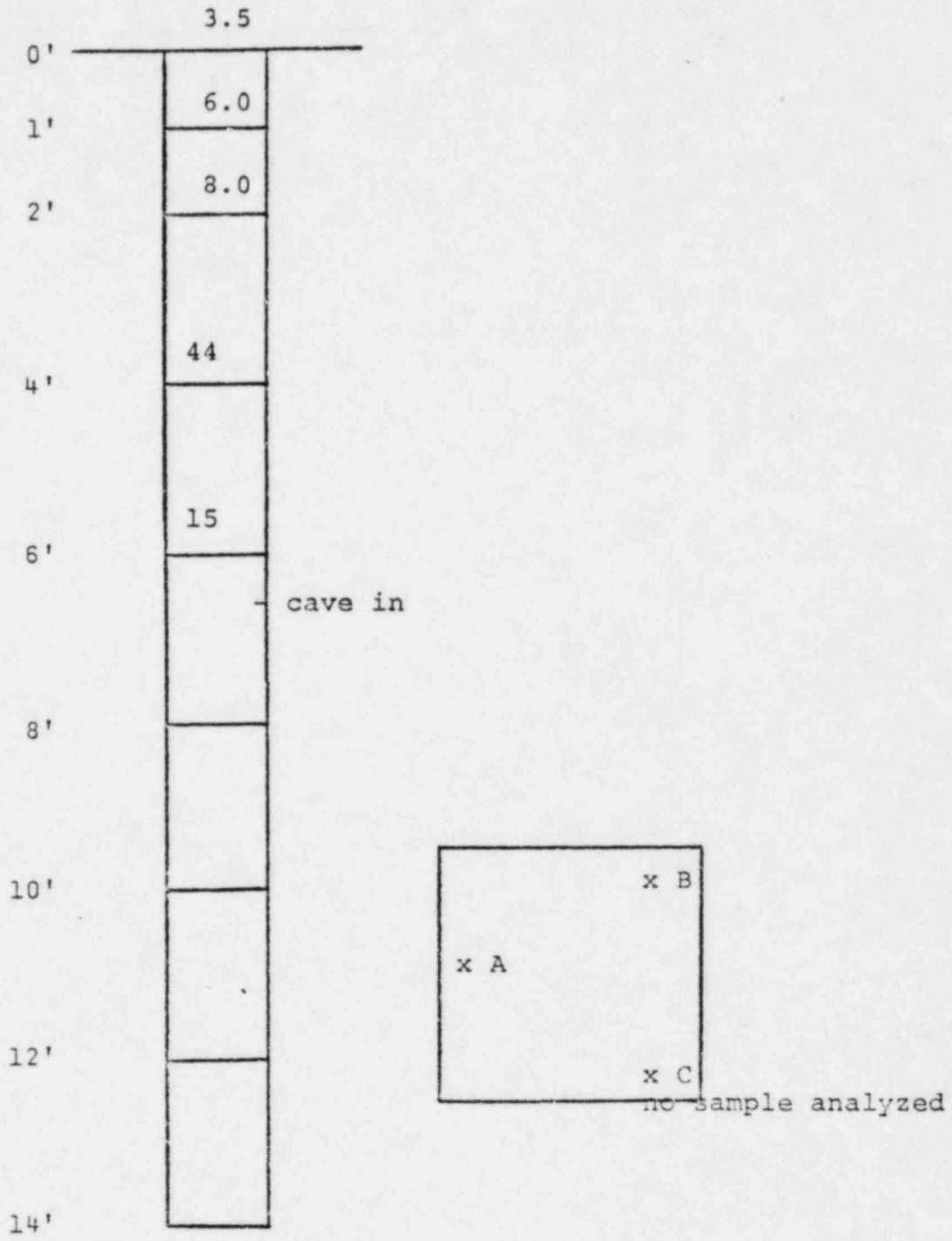


Grid No. 780-I

ATCOR

TABLE 4.d(5)

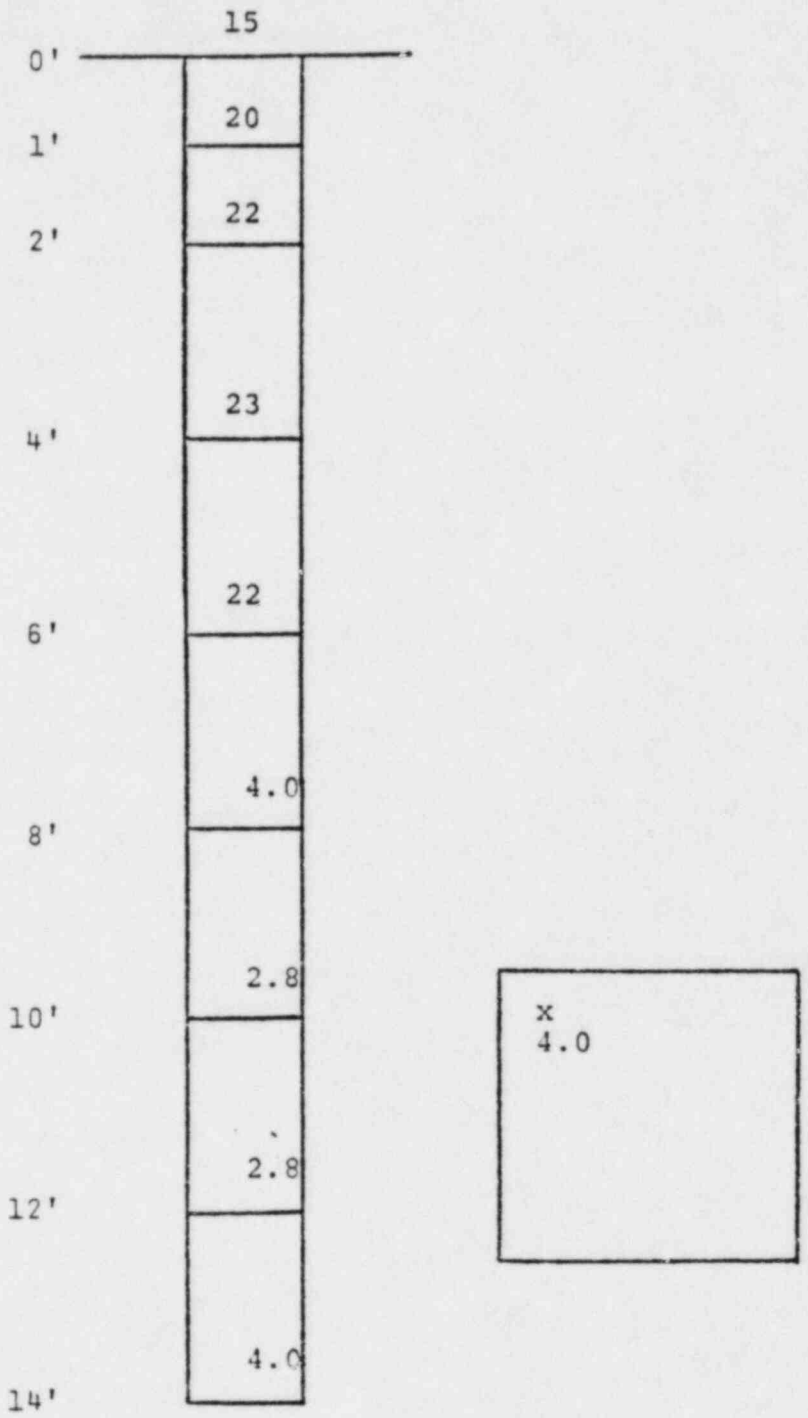
RADIOLOGICAL DATA ON WATER JETTED HOLES



Grid No. 780-C

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

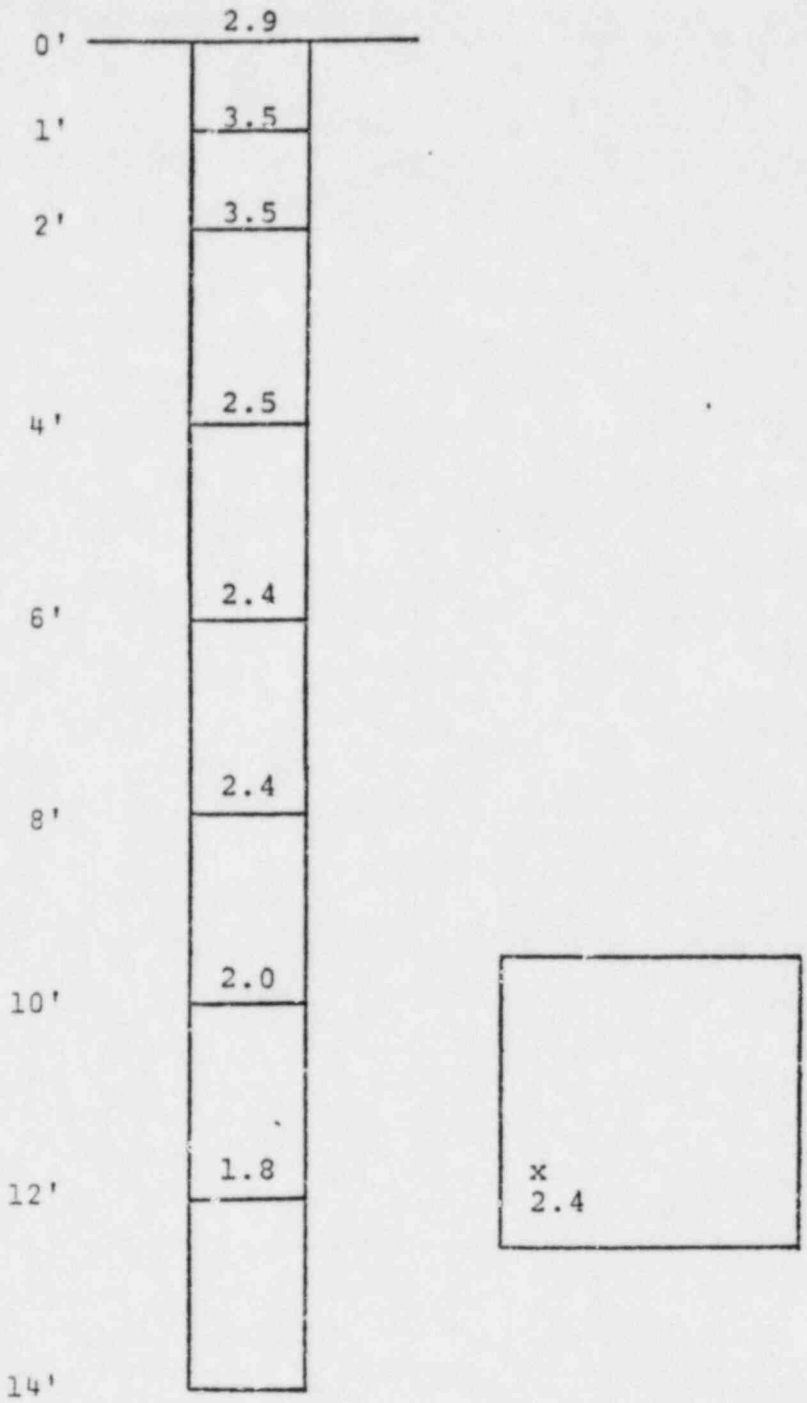


Grid No.782

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

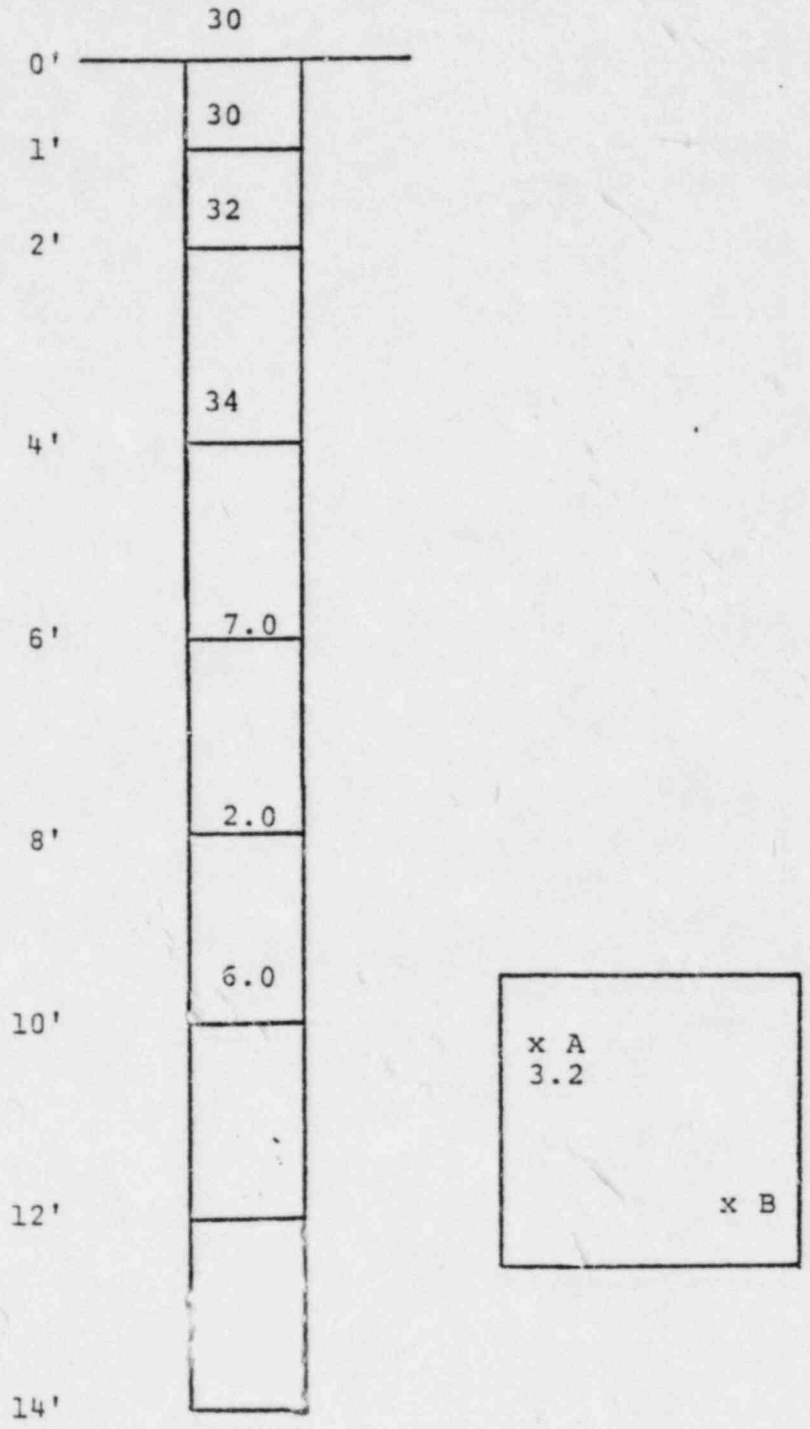


Grid No. 793

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

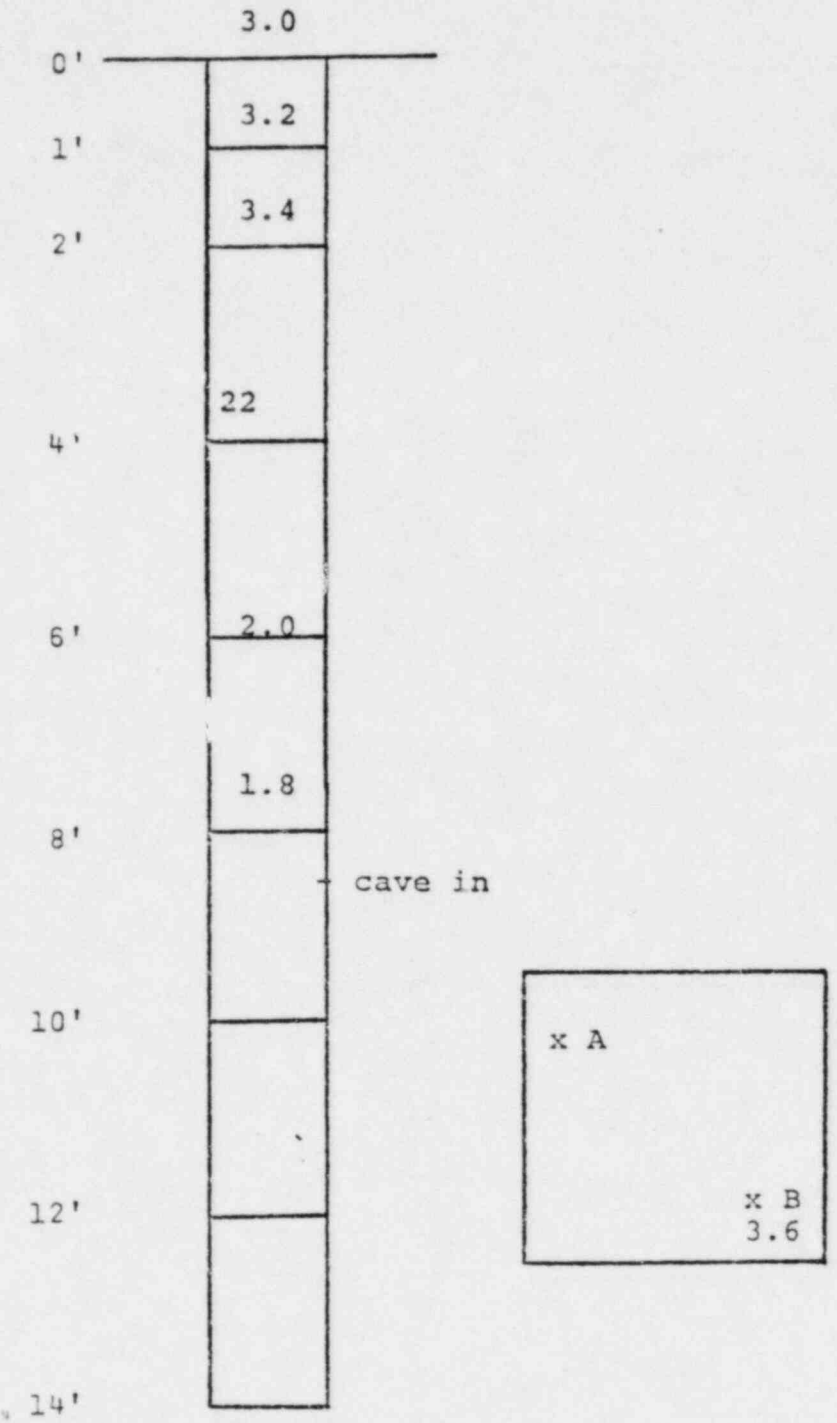


Grid No. 809-A

ATCOF

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

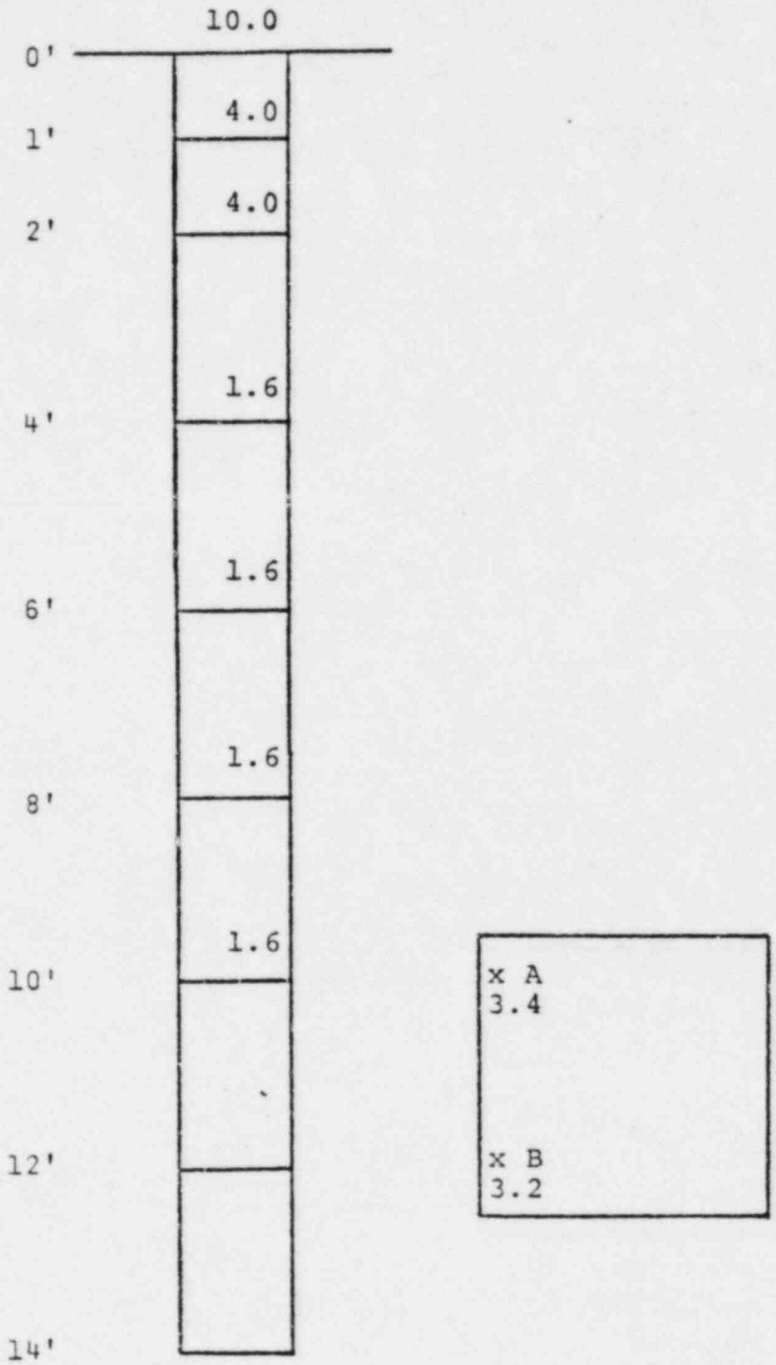


Grid No. 809-B

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

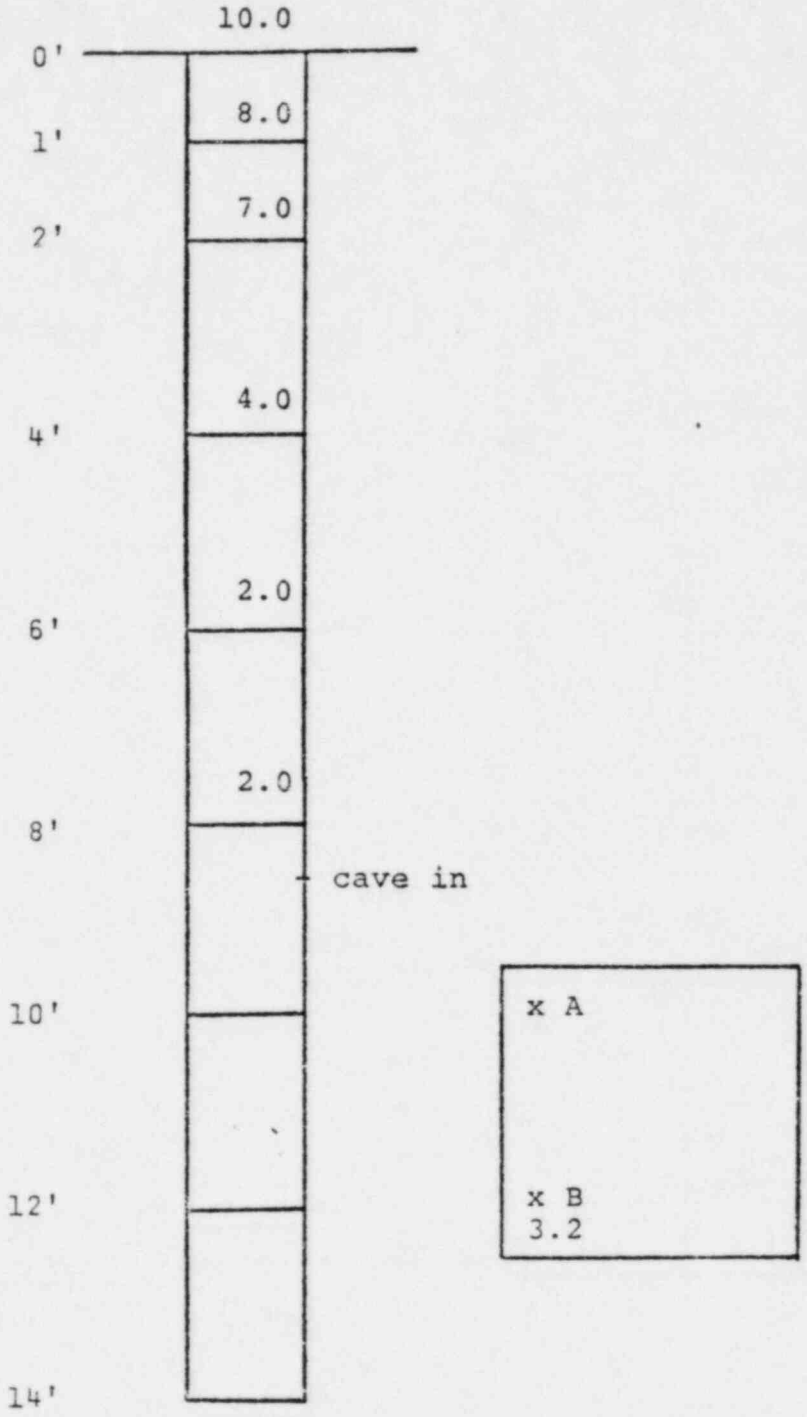


Grid No. 838-A

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

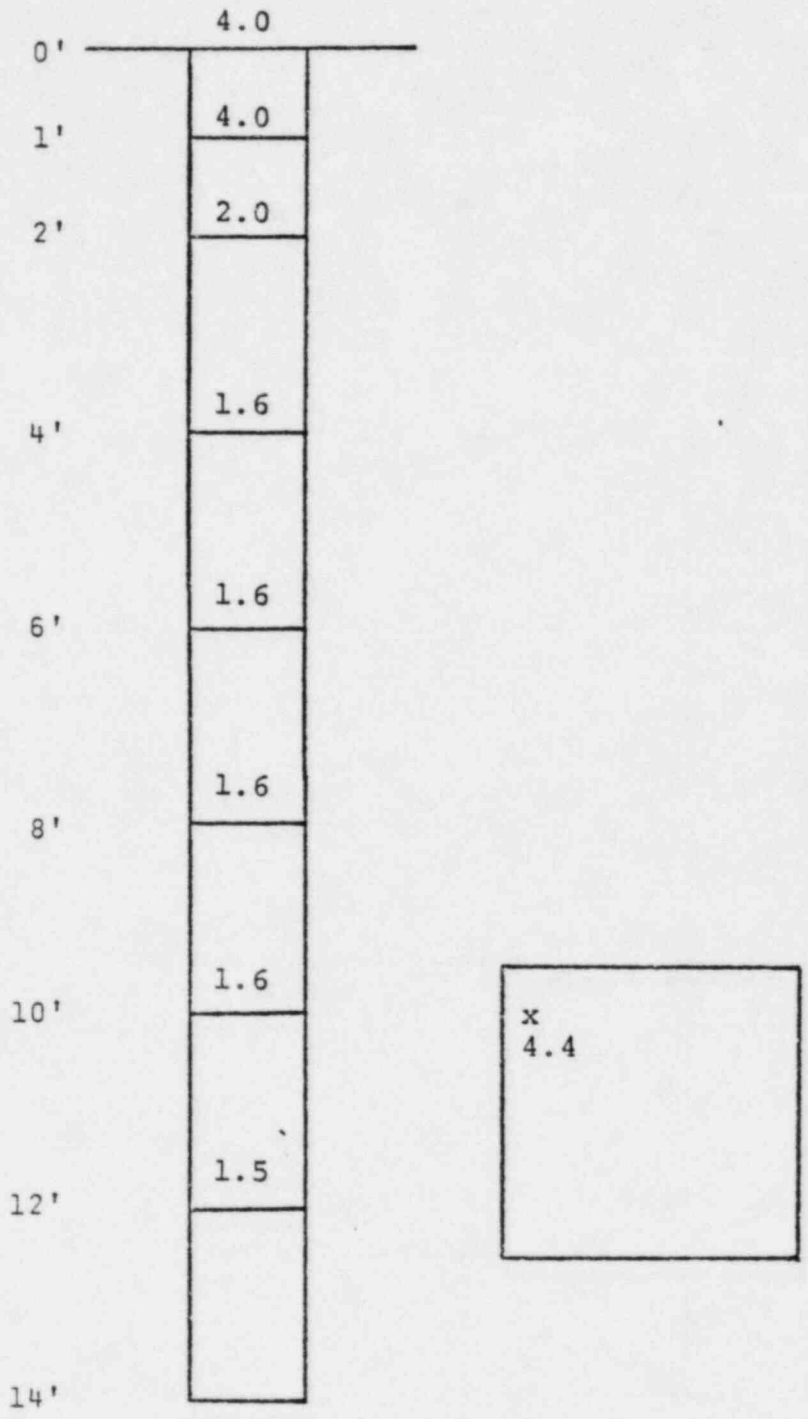


Grid No. 838-B

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

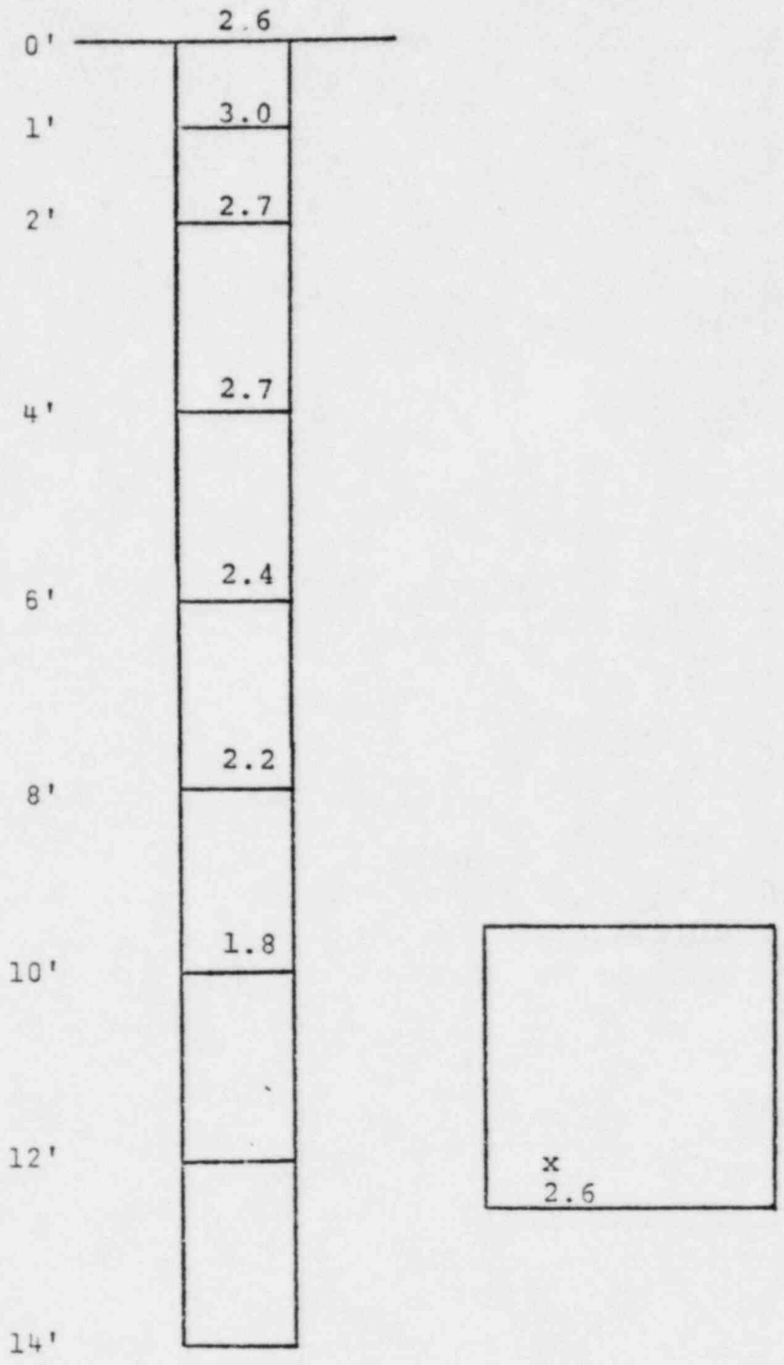


Grid No. 840

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

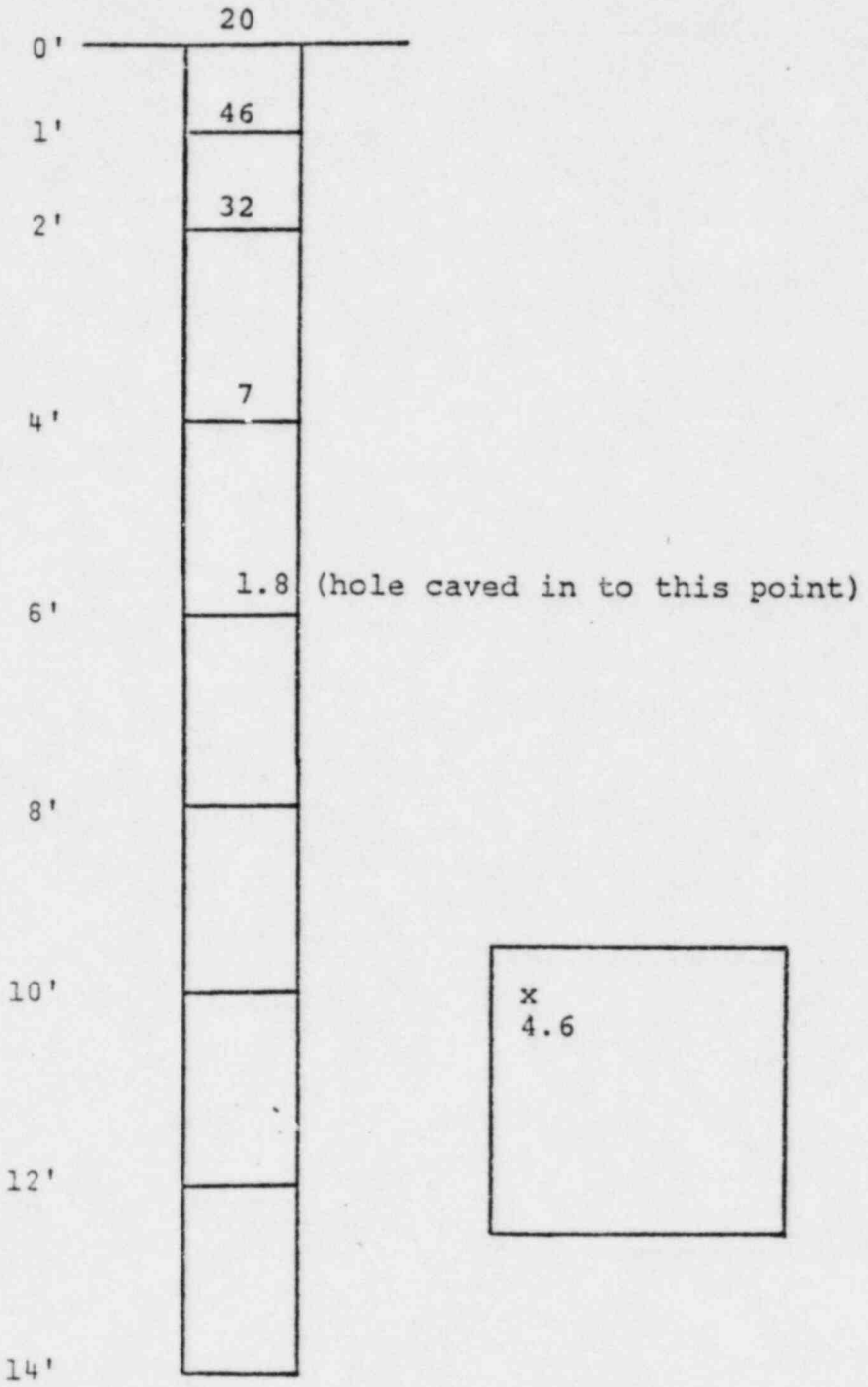


Grid No. 880

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

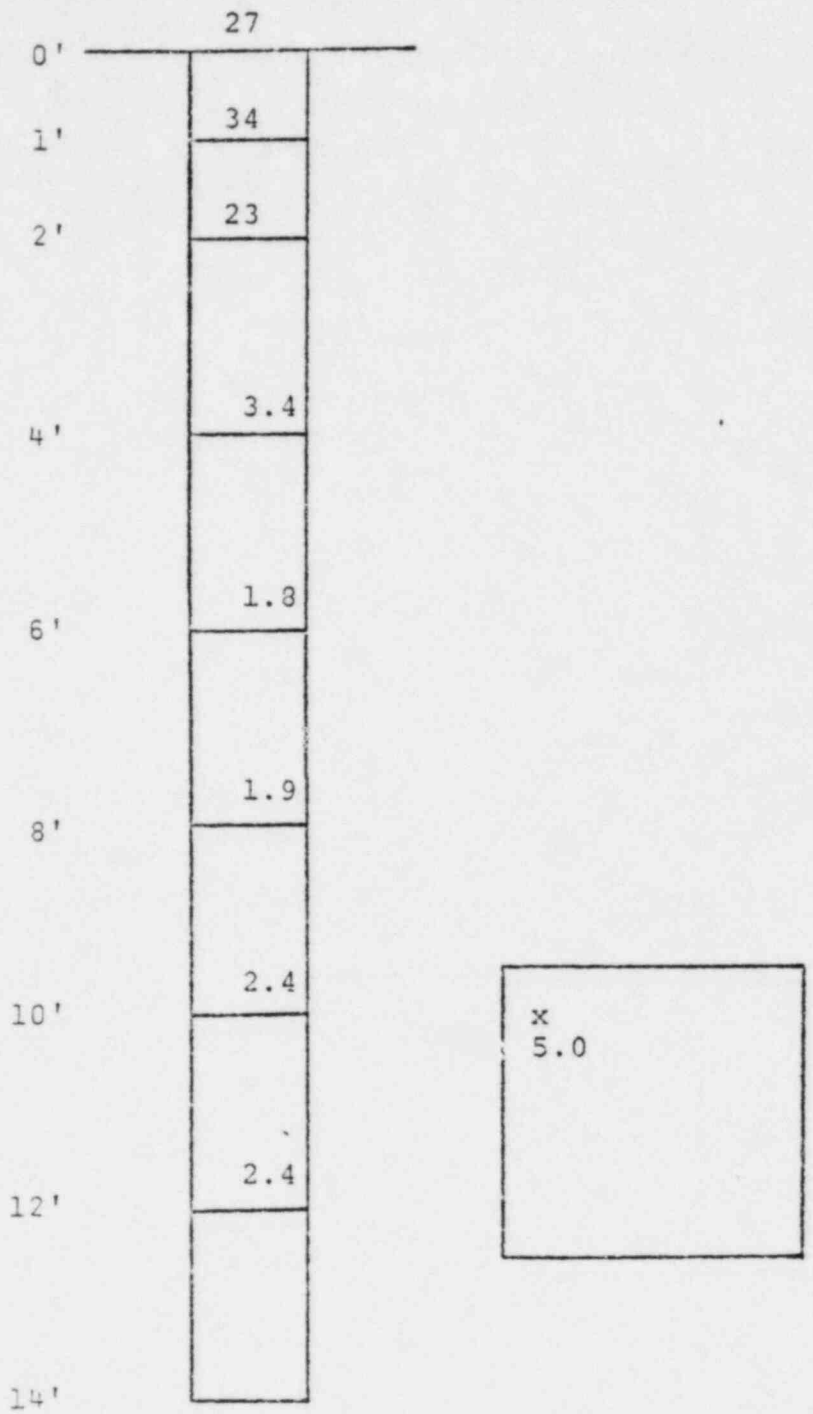


Grid No. 886

ATCOR

TABLE 4.d(5)

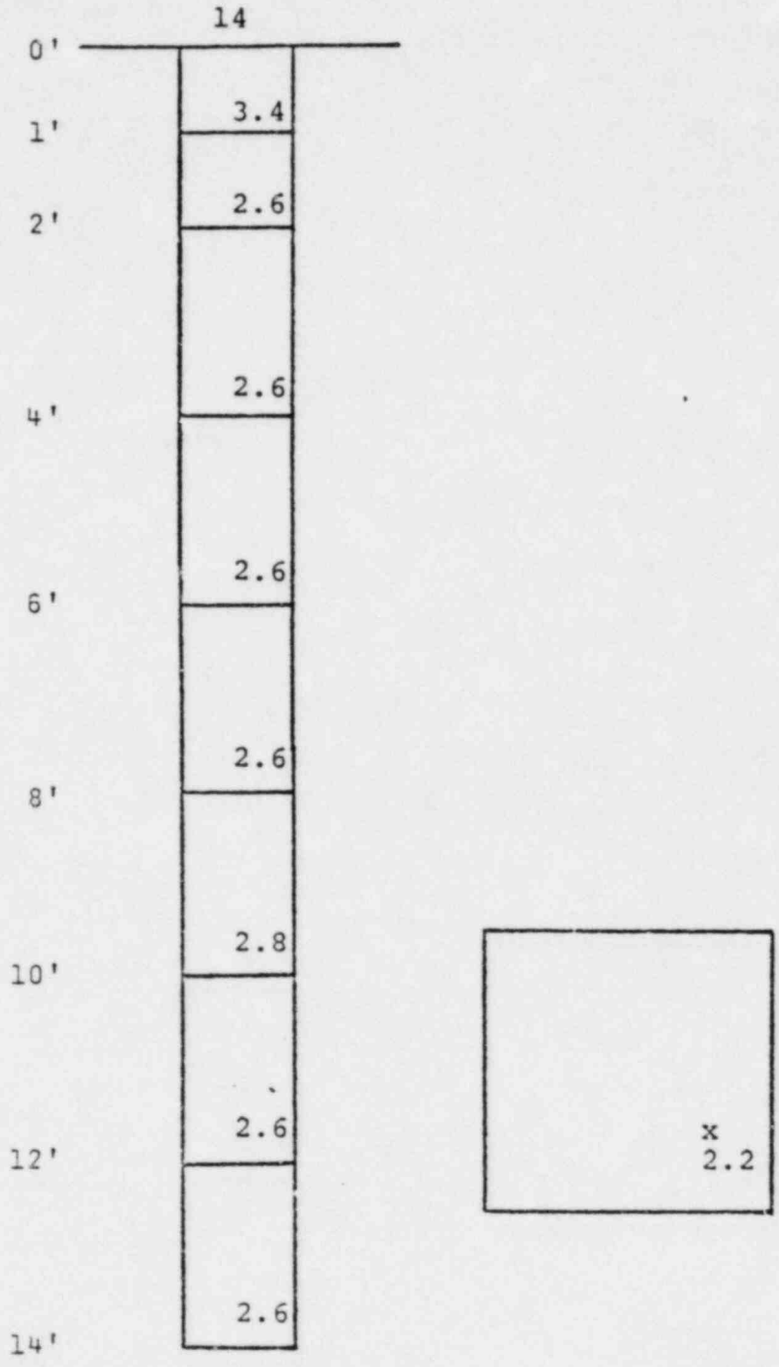
RADIOLOGICAL DATA ON WATER JETTED HOLES



Grid No. 887

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

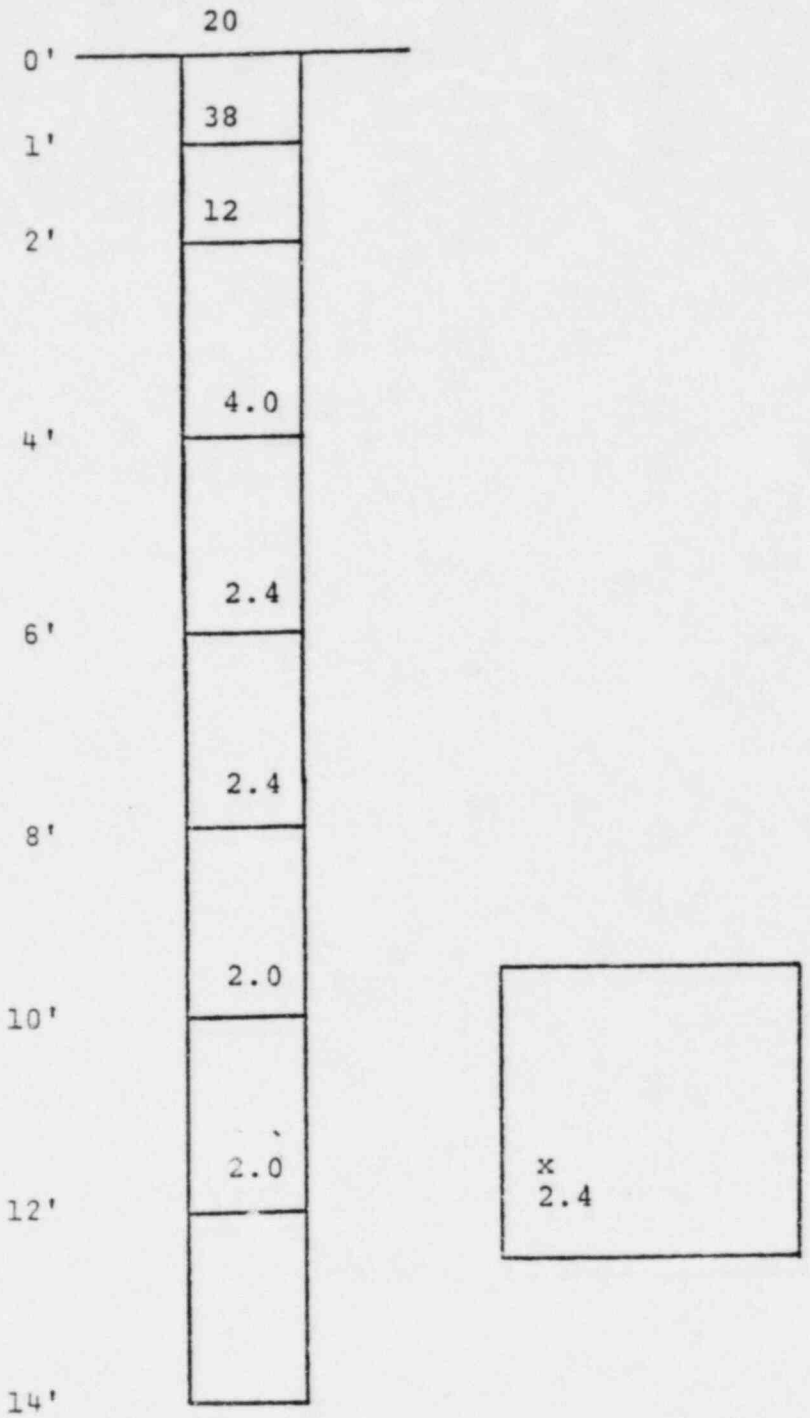


Grid No. 915

ATCOF

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

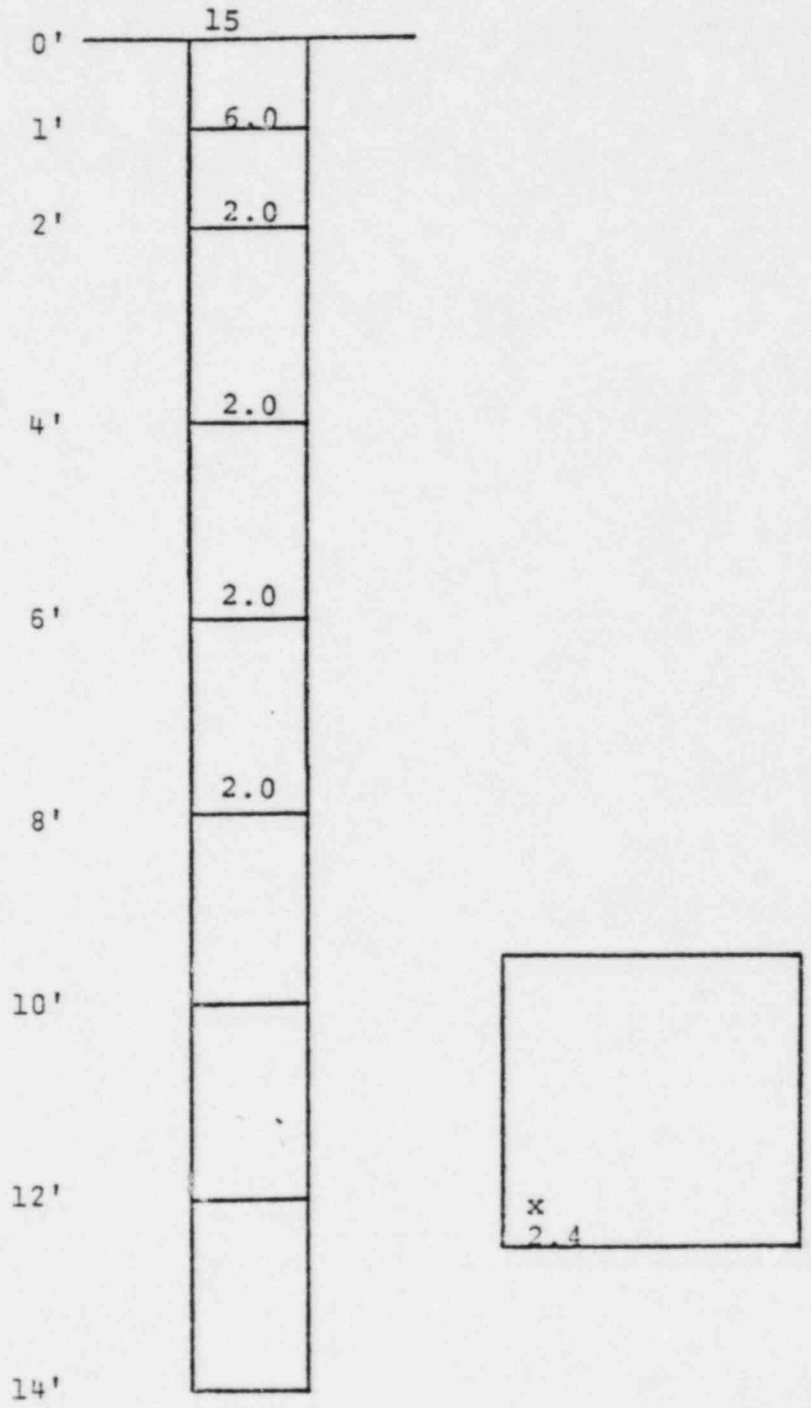


Grid No. 916

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

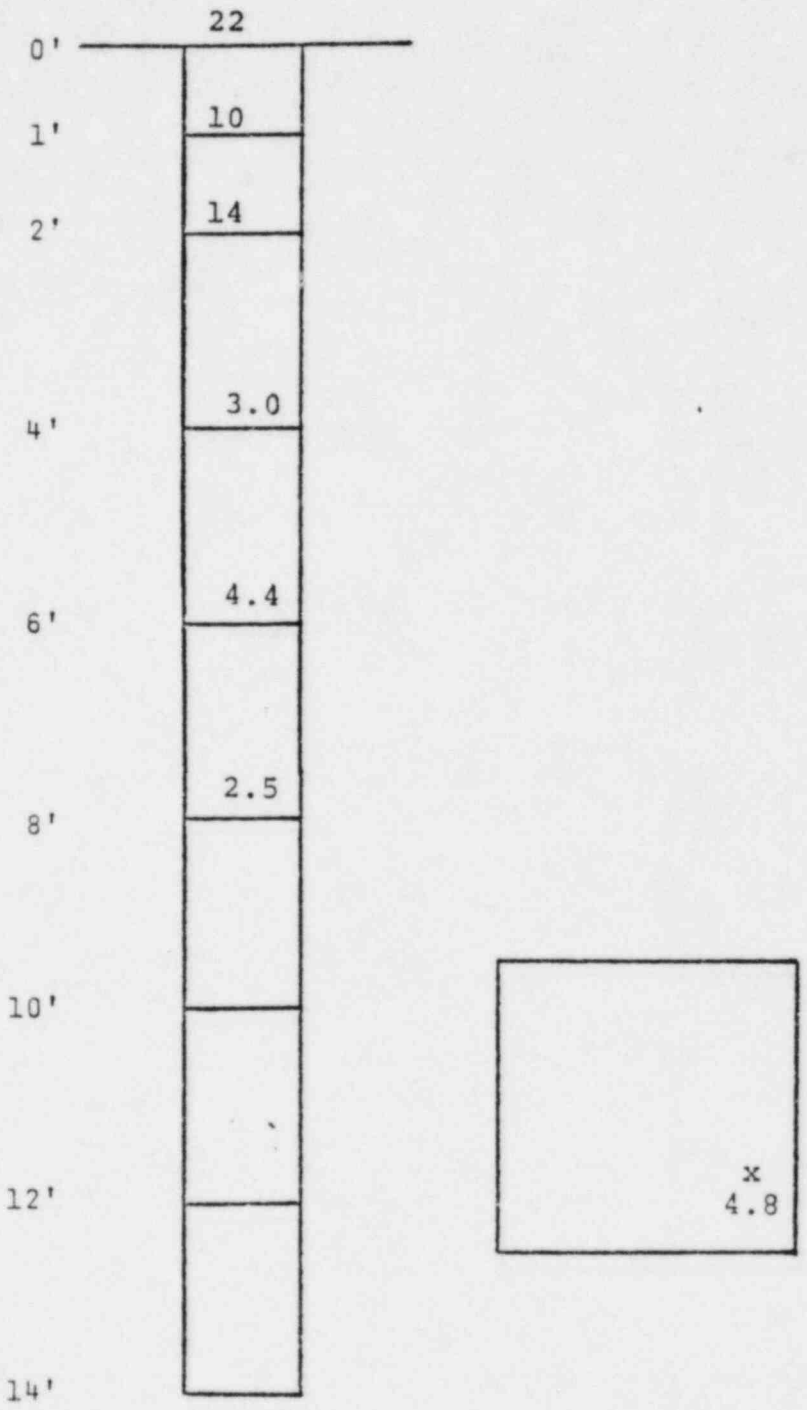


Grid No.917

ATCOF

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

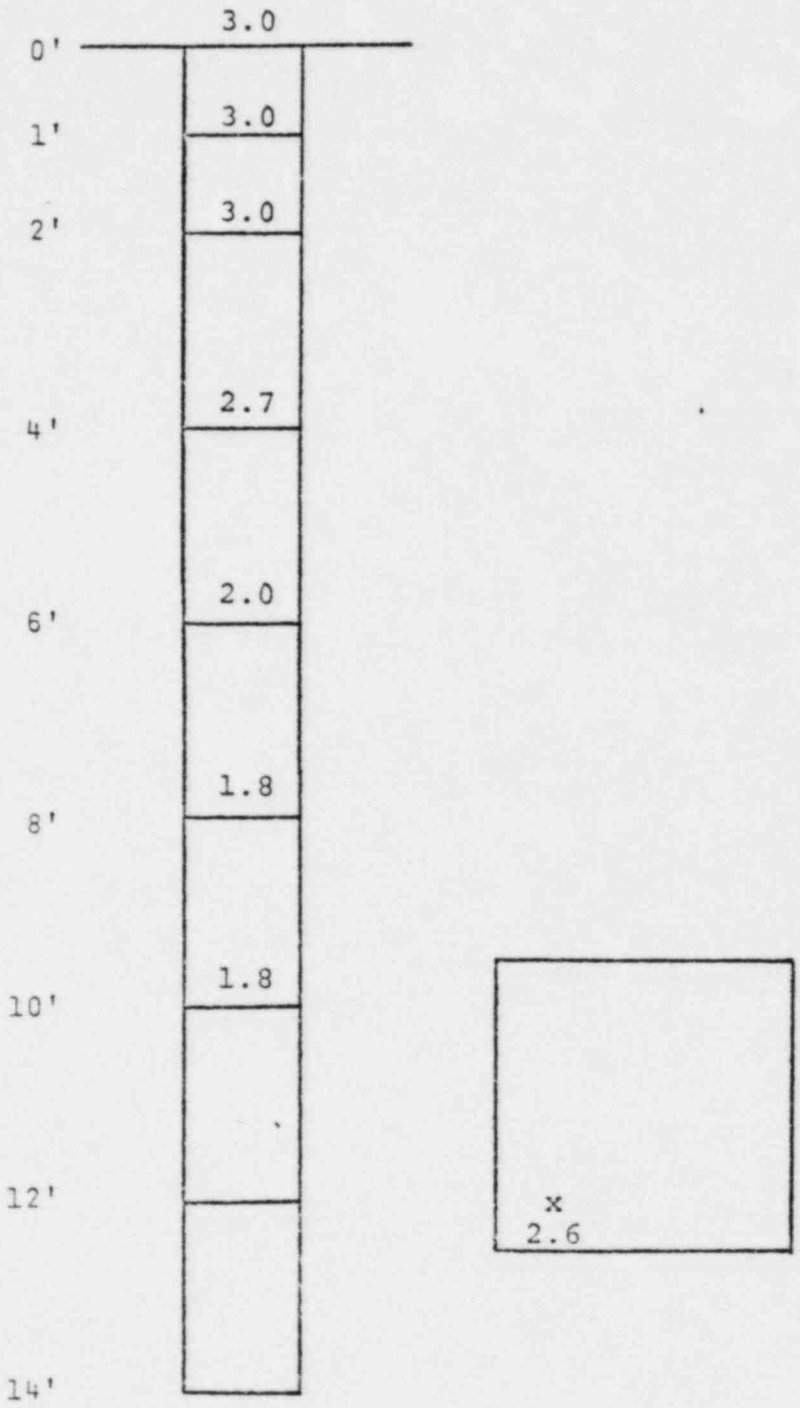


Grid No. 919

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

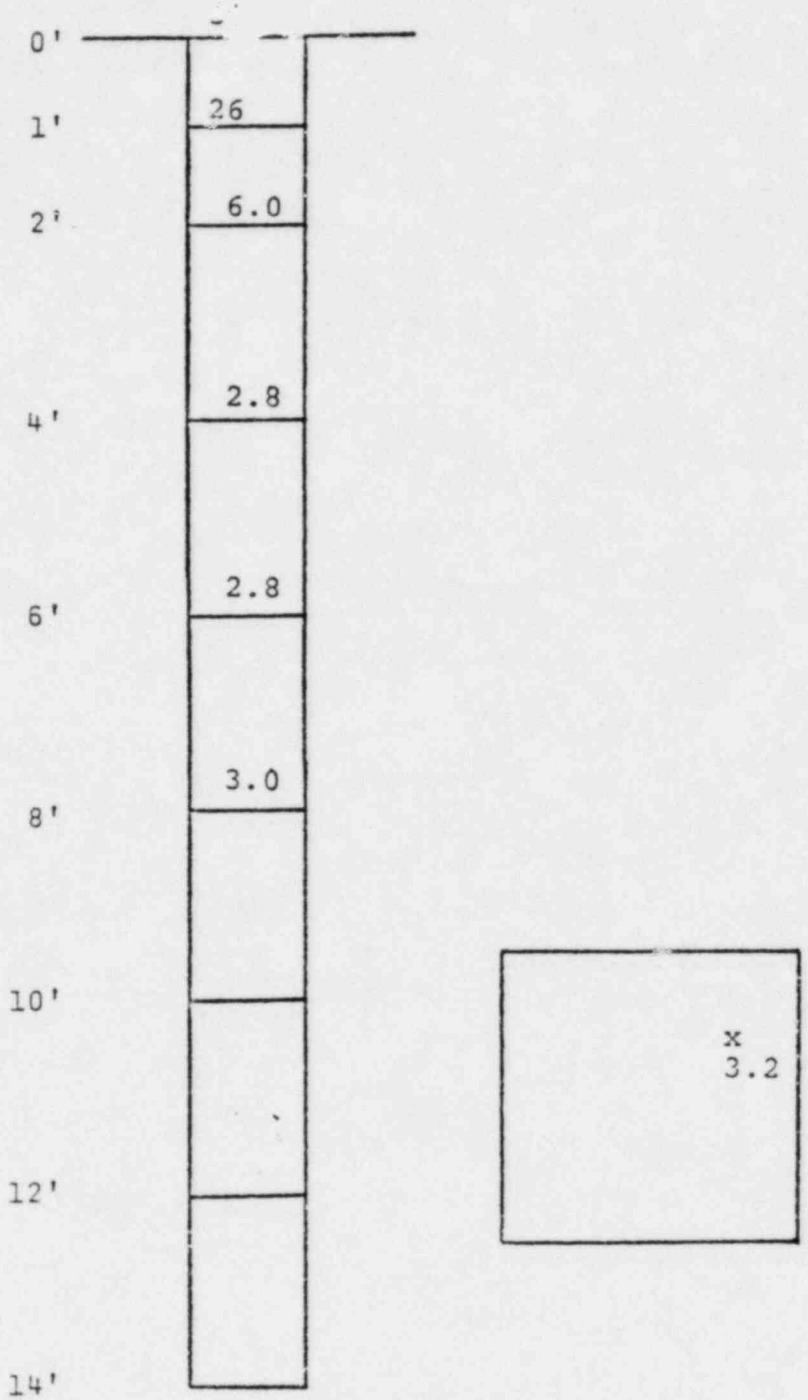


Grid No. 939

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

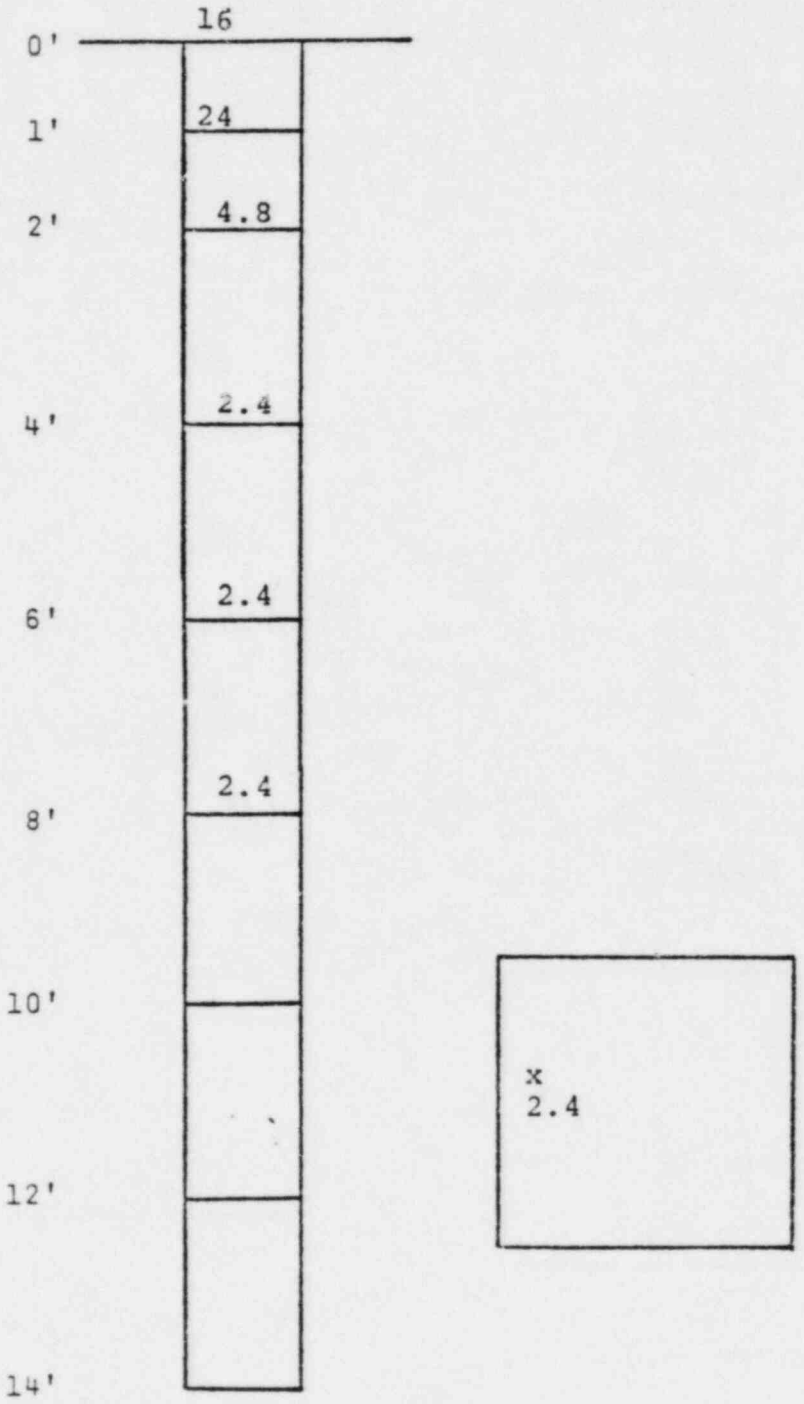


Grid No. 945

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

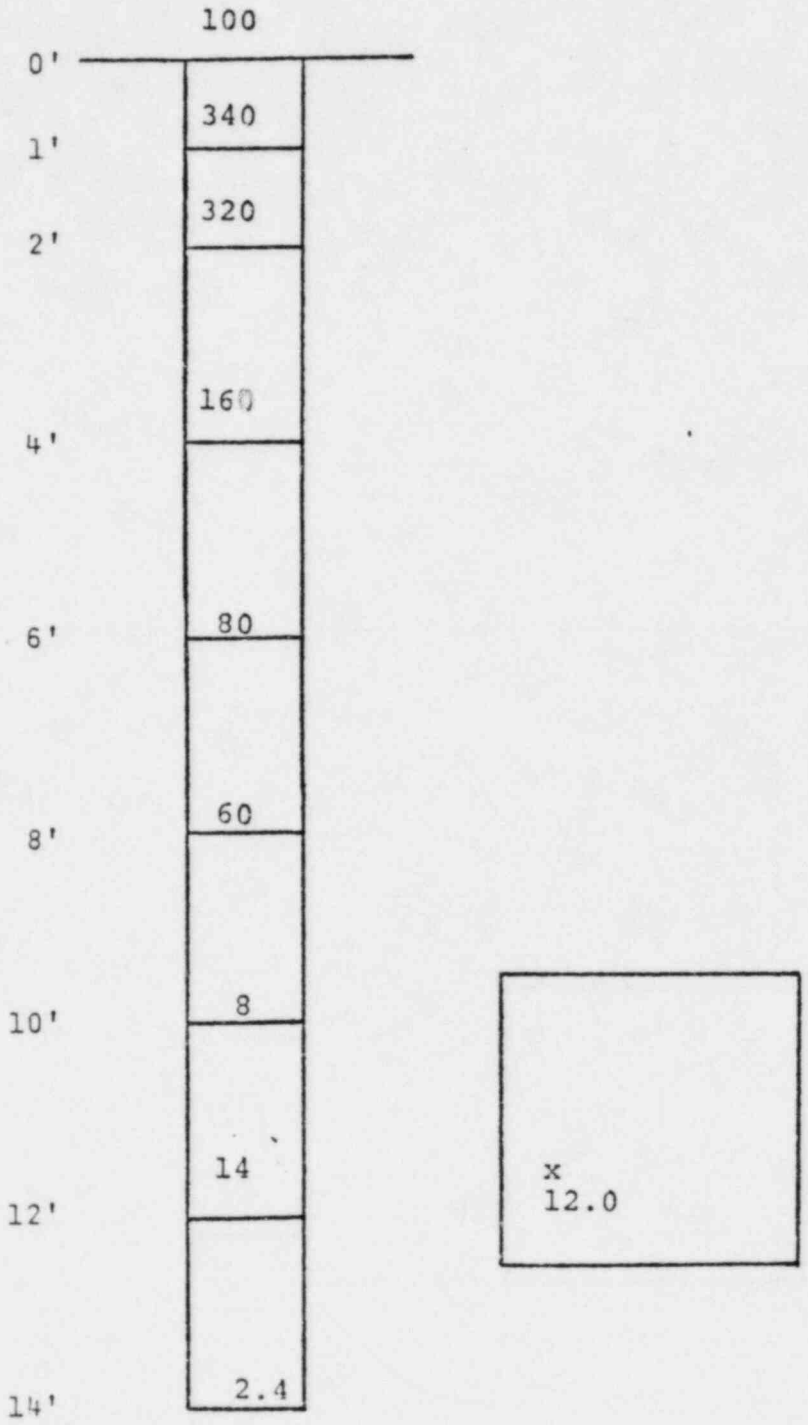


Grid No. 946

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

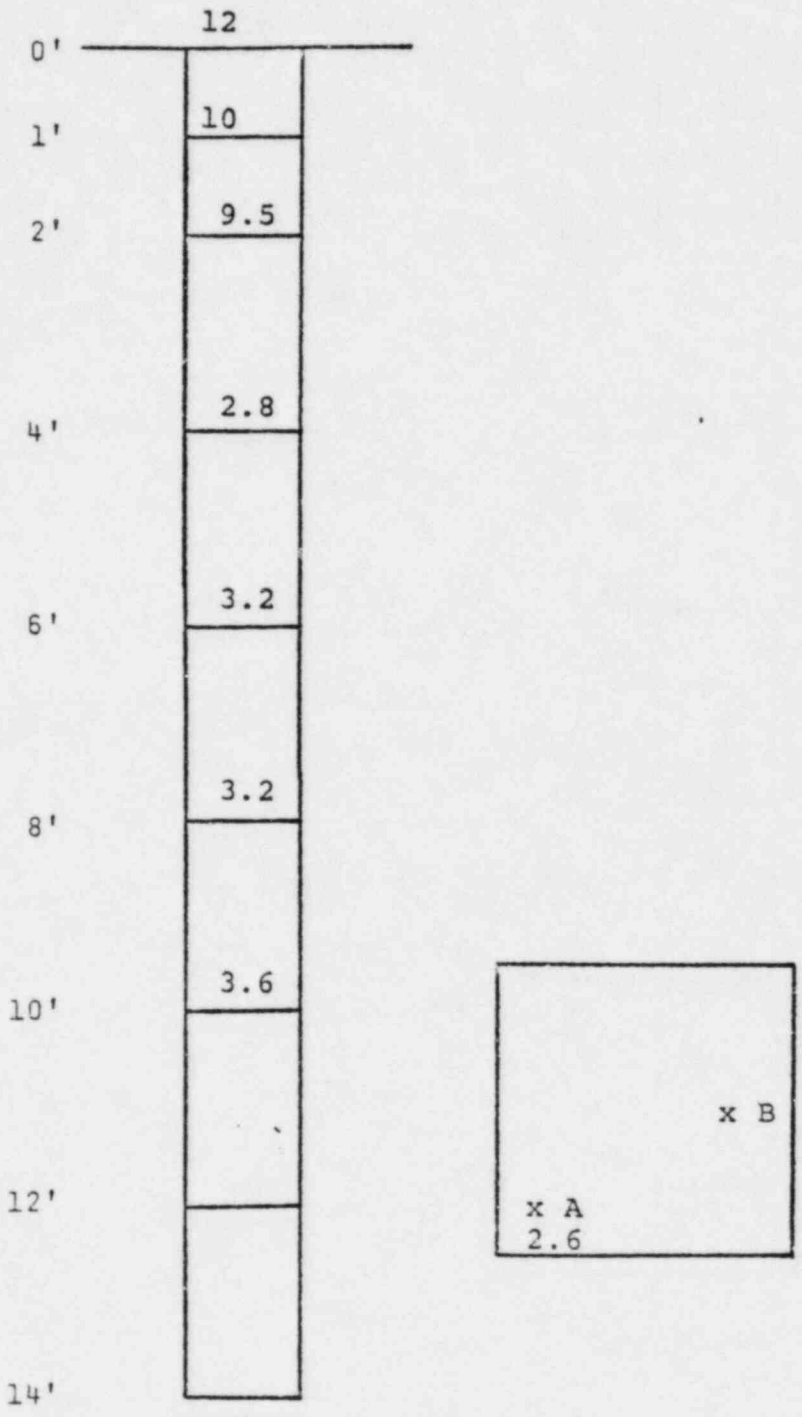


Grid No. 947

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

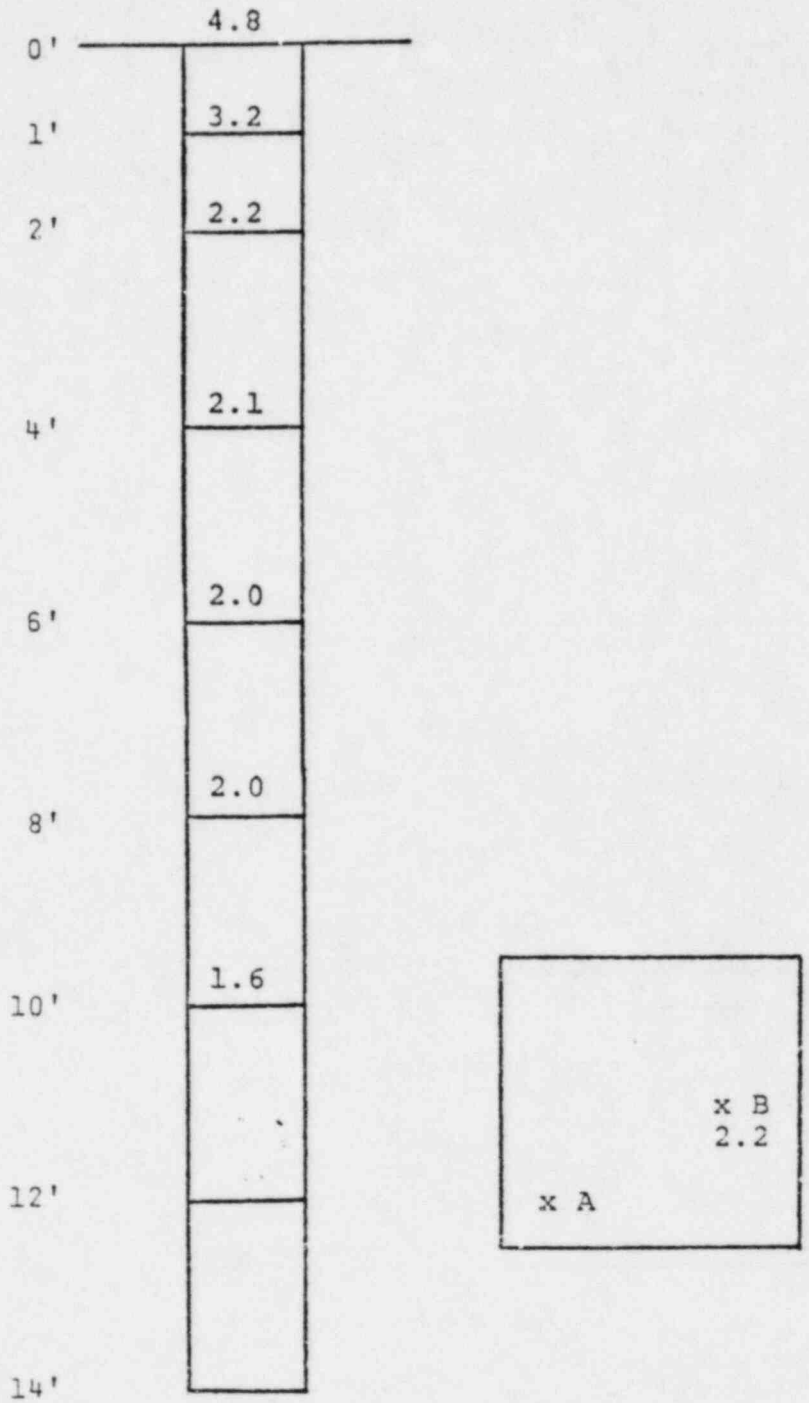


Grid No. 958-A

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

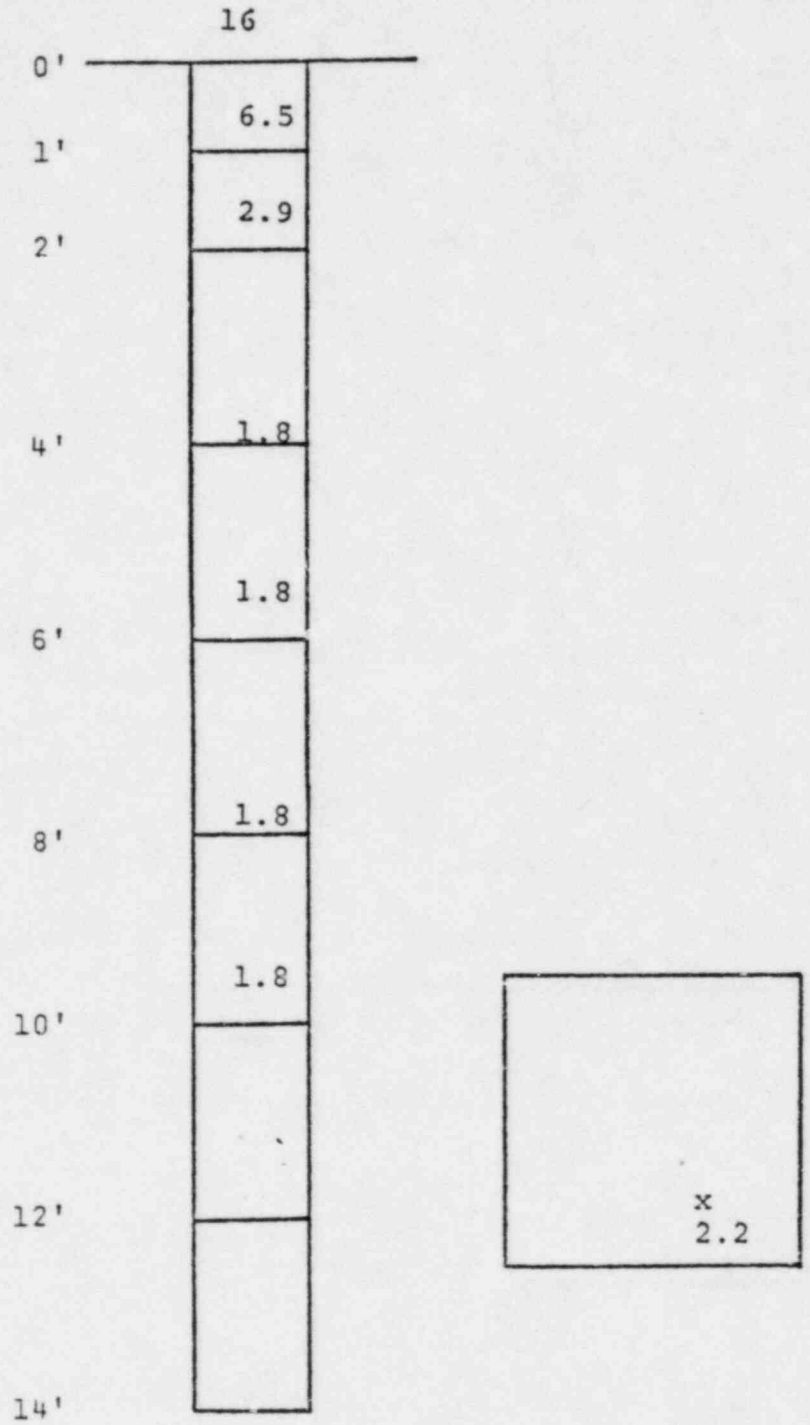


Grid No. 958-B

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

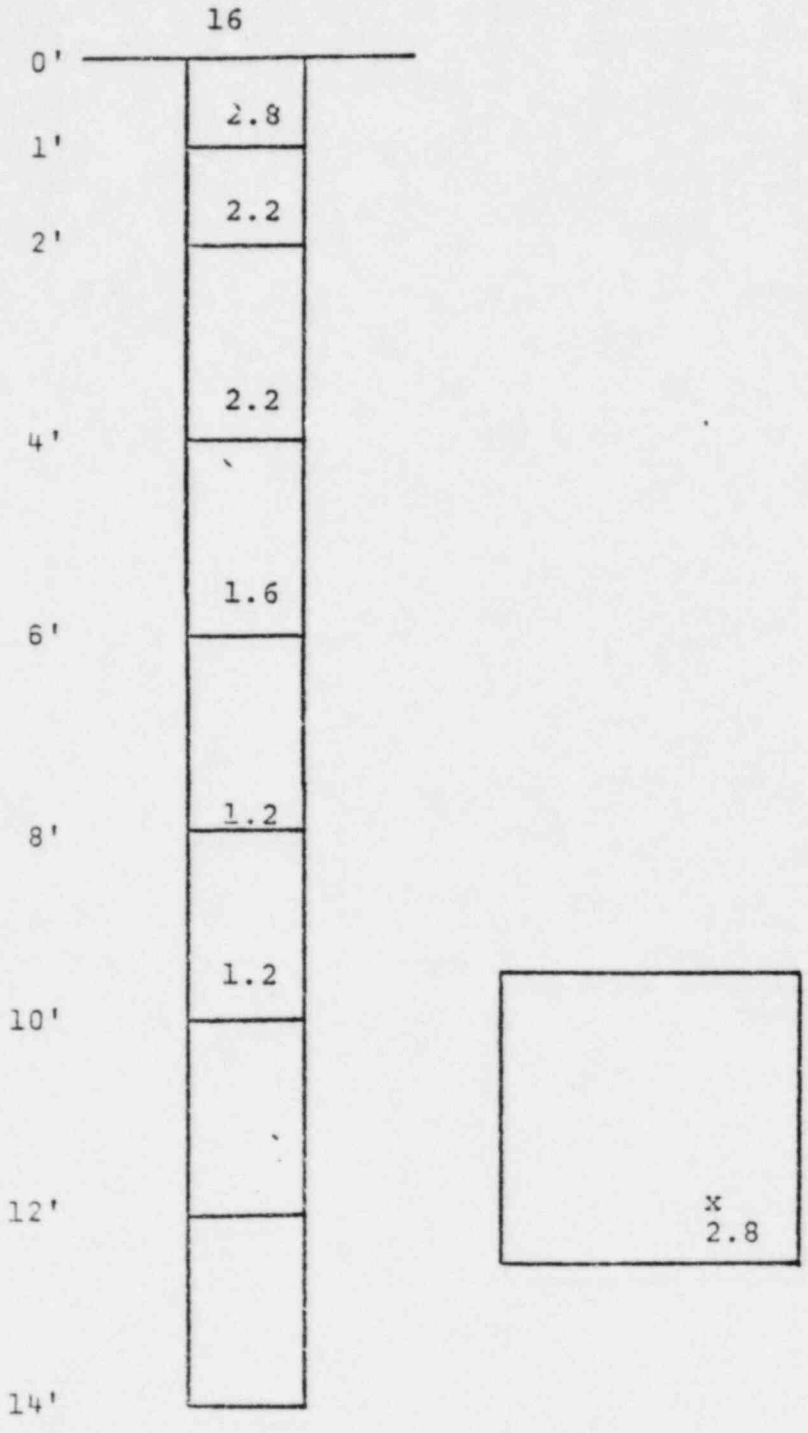


Grid No. 974

ATCOF

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

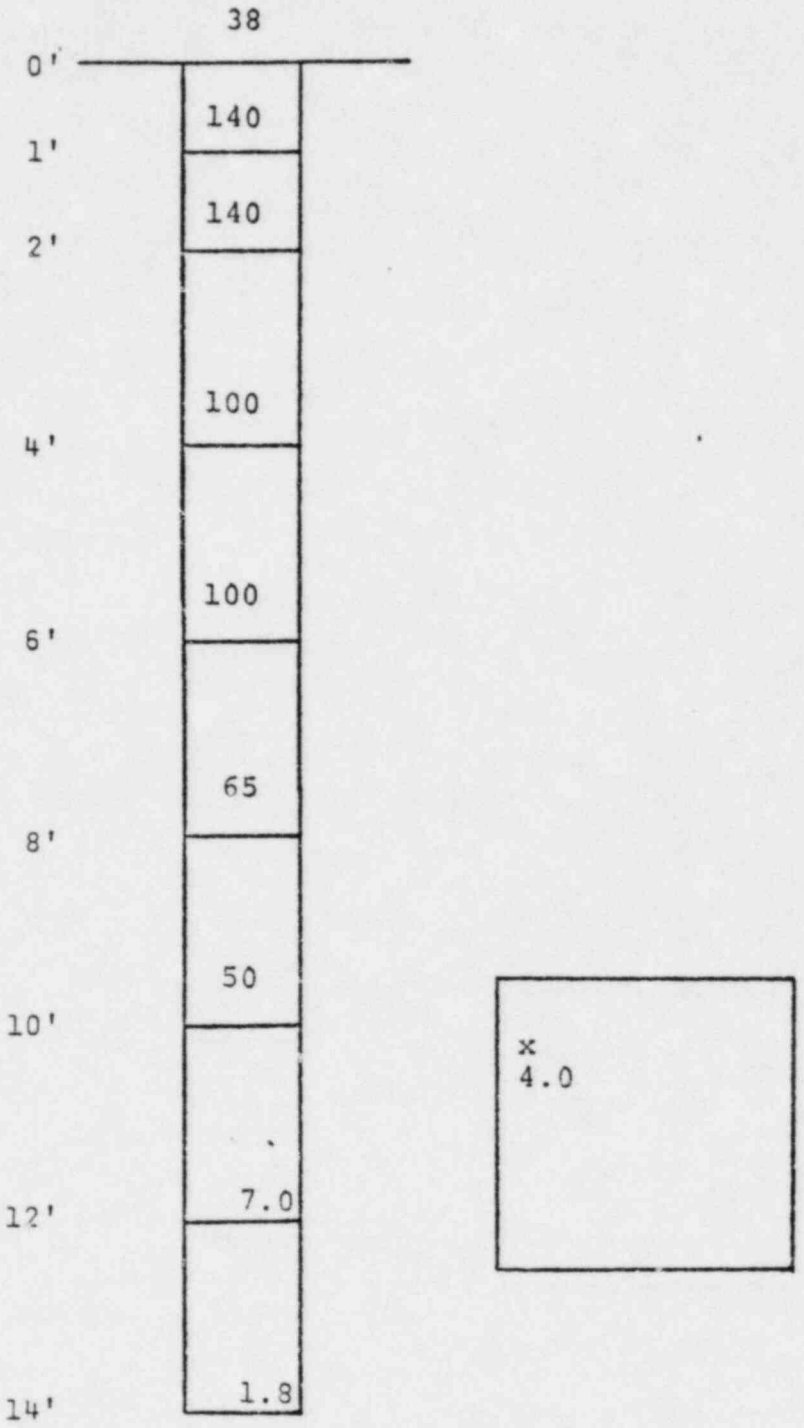


Grid No. 975

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

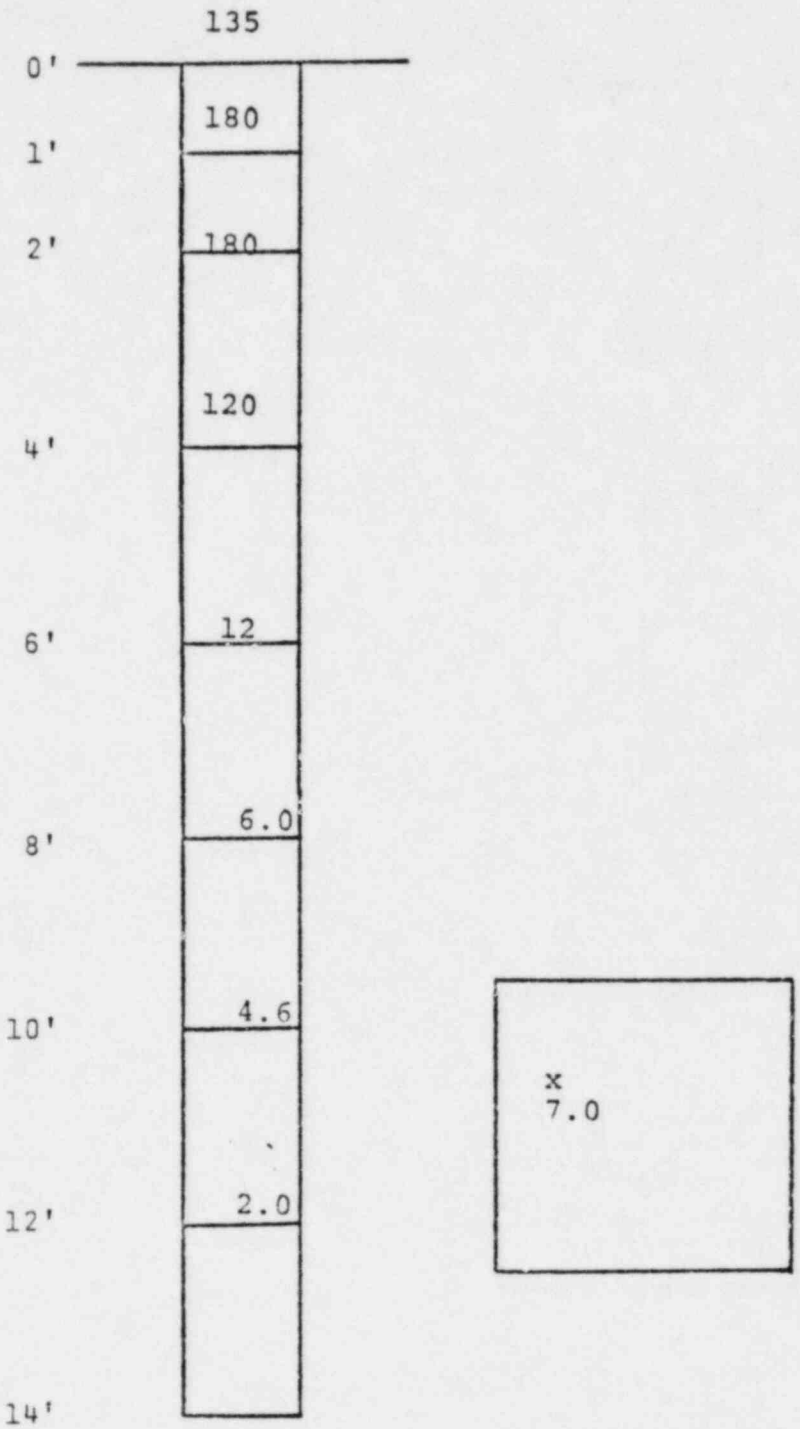


Grid No. 976

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

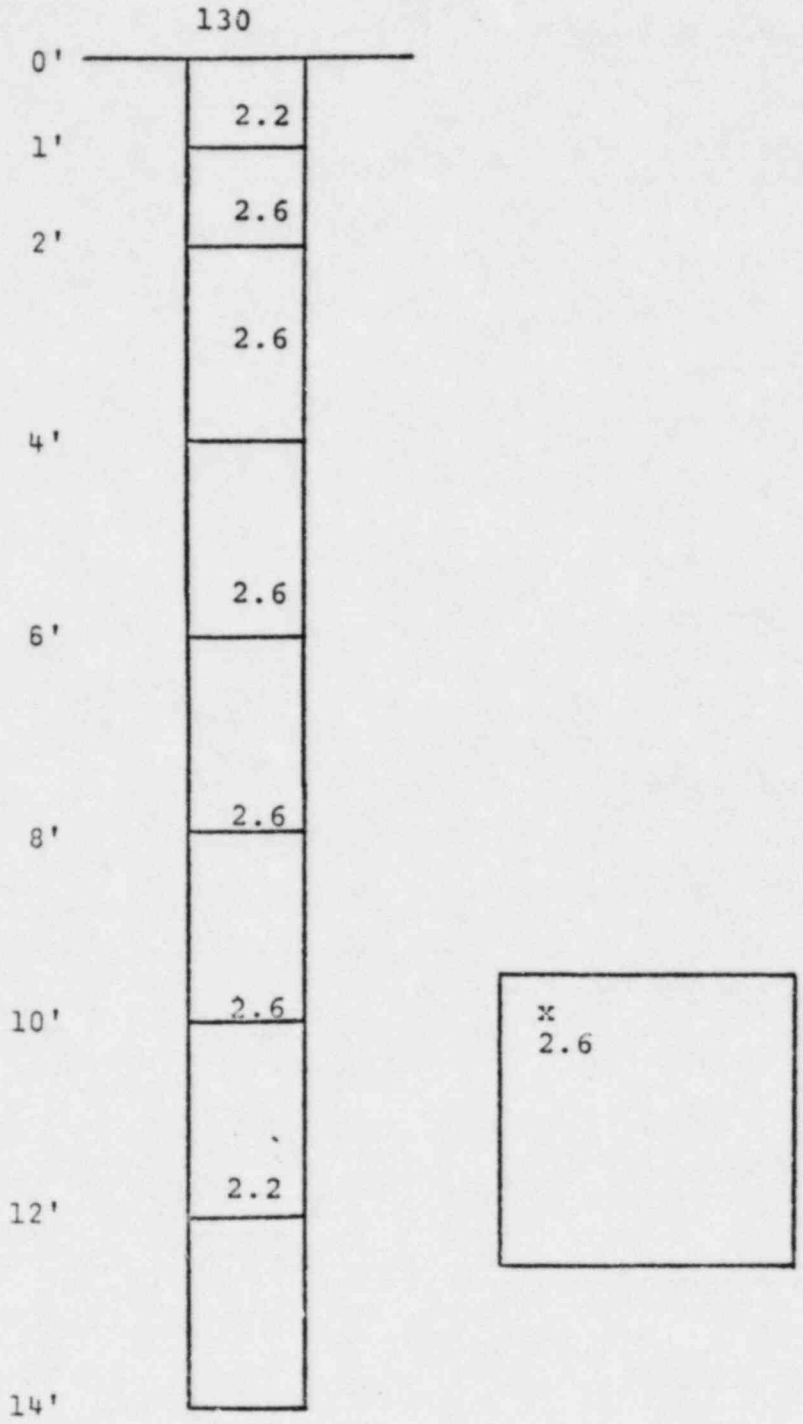


Grid No. 977

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

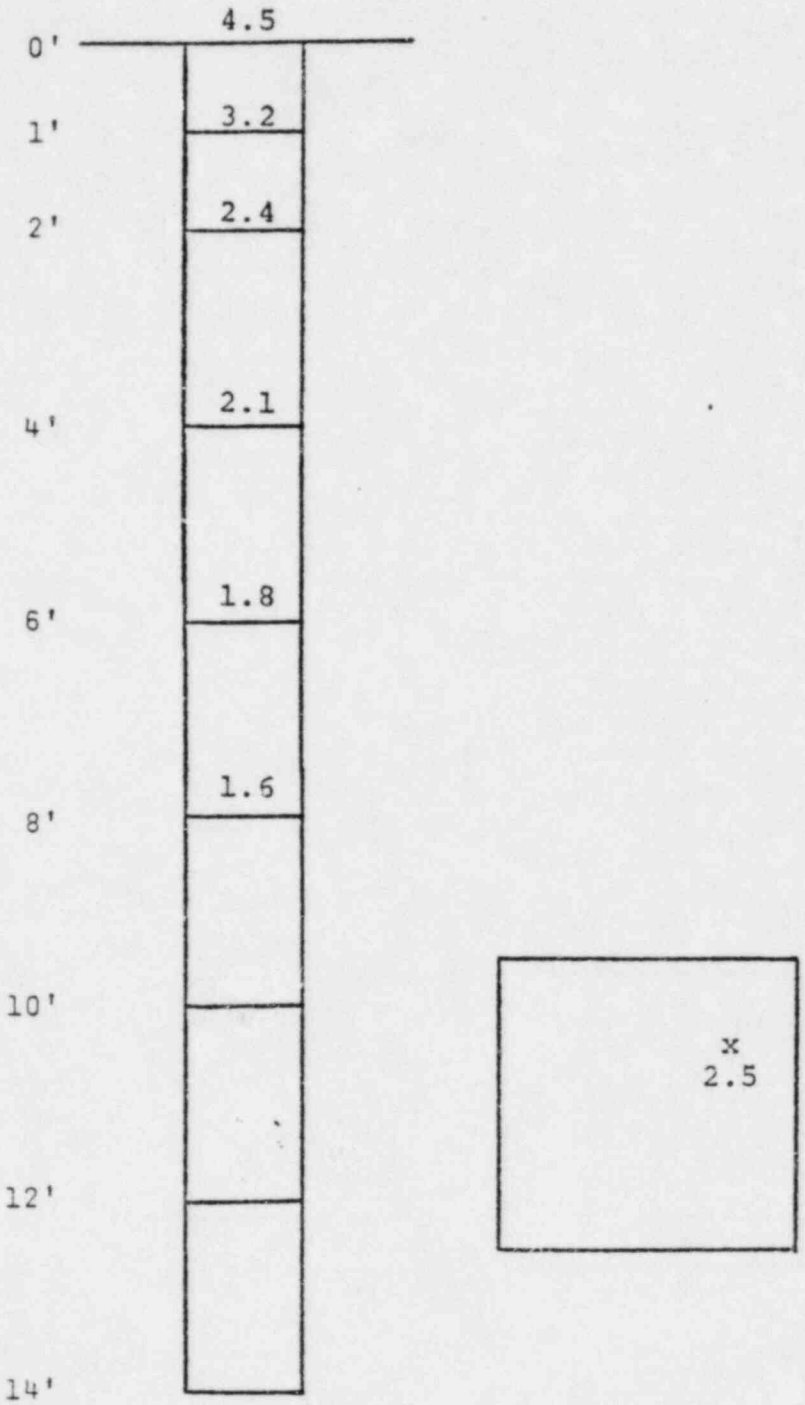


Grid No. 978

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

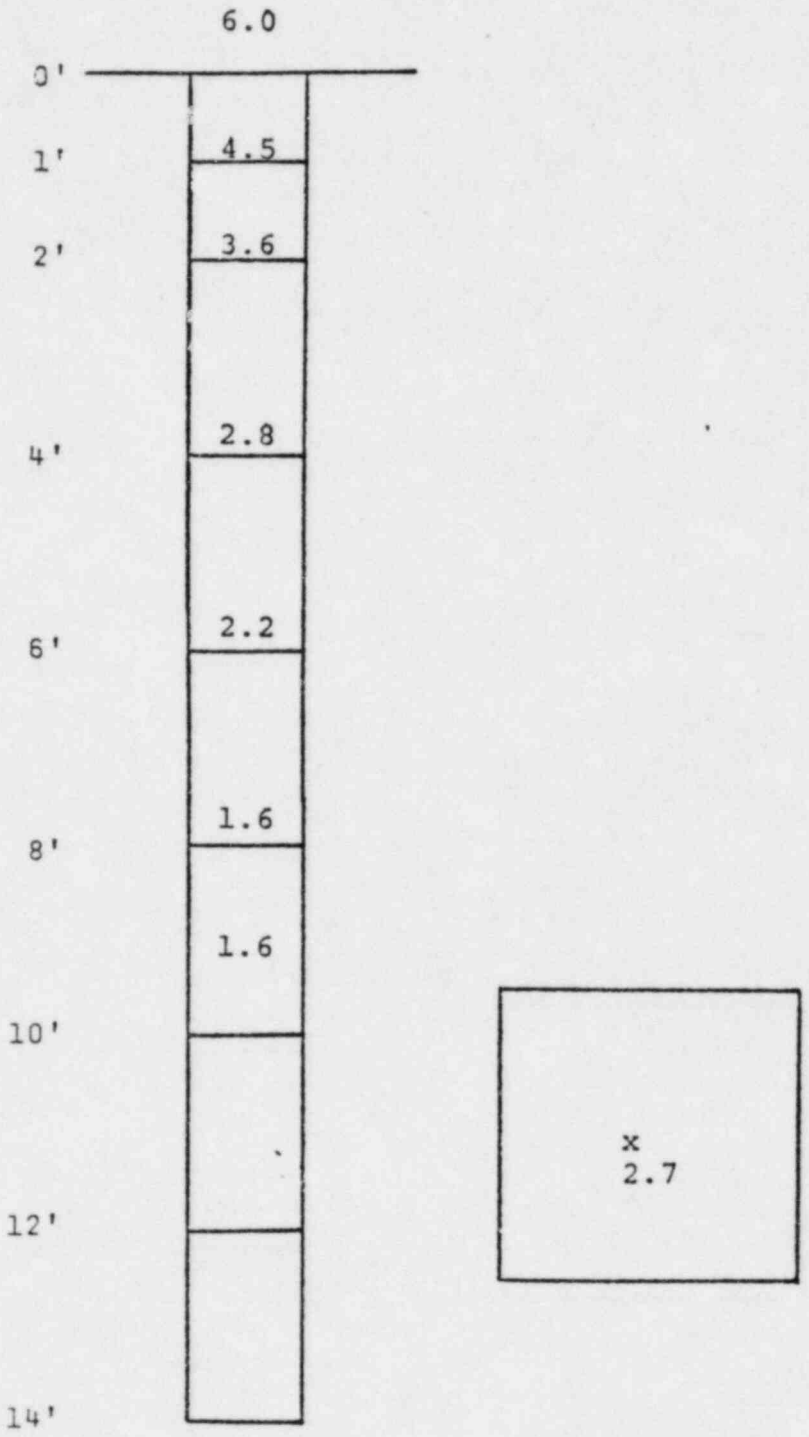


Grid No.
988

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

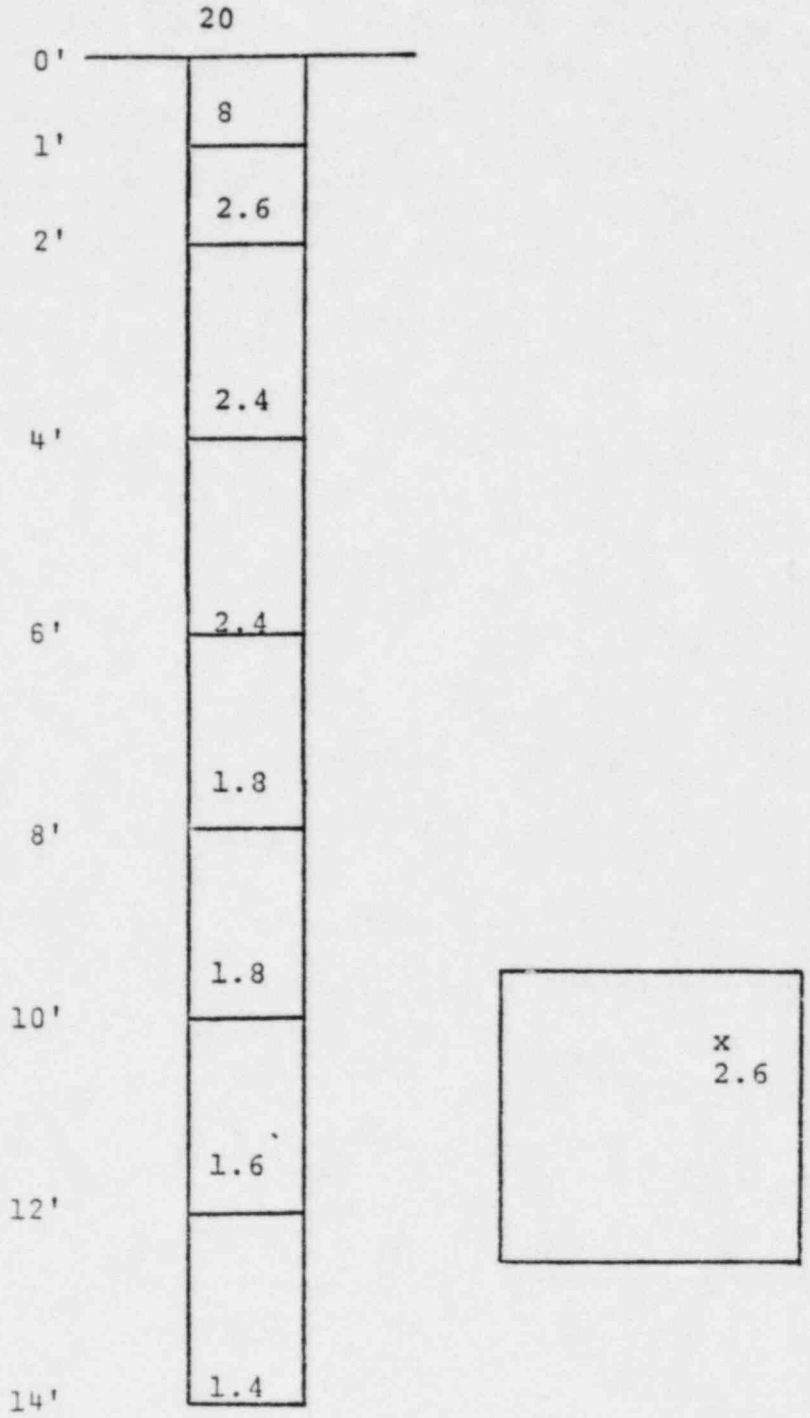


Grid No. 989

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

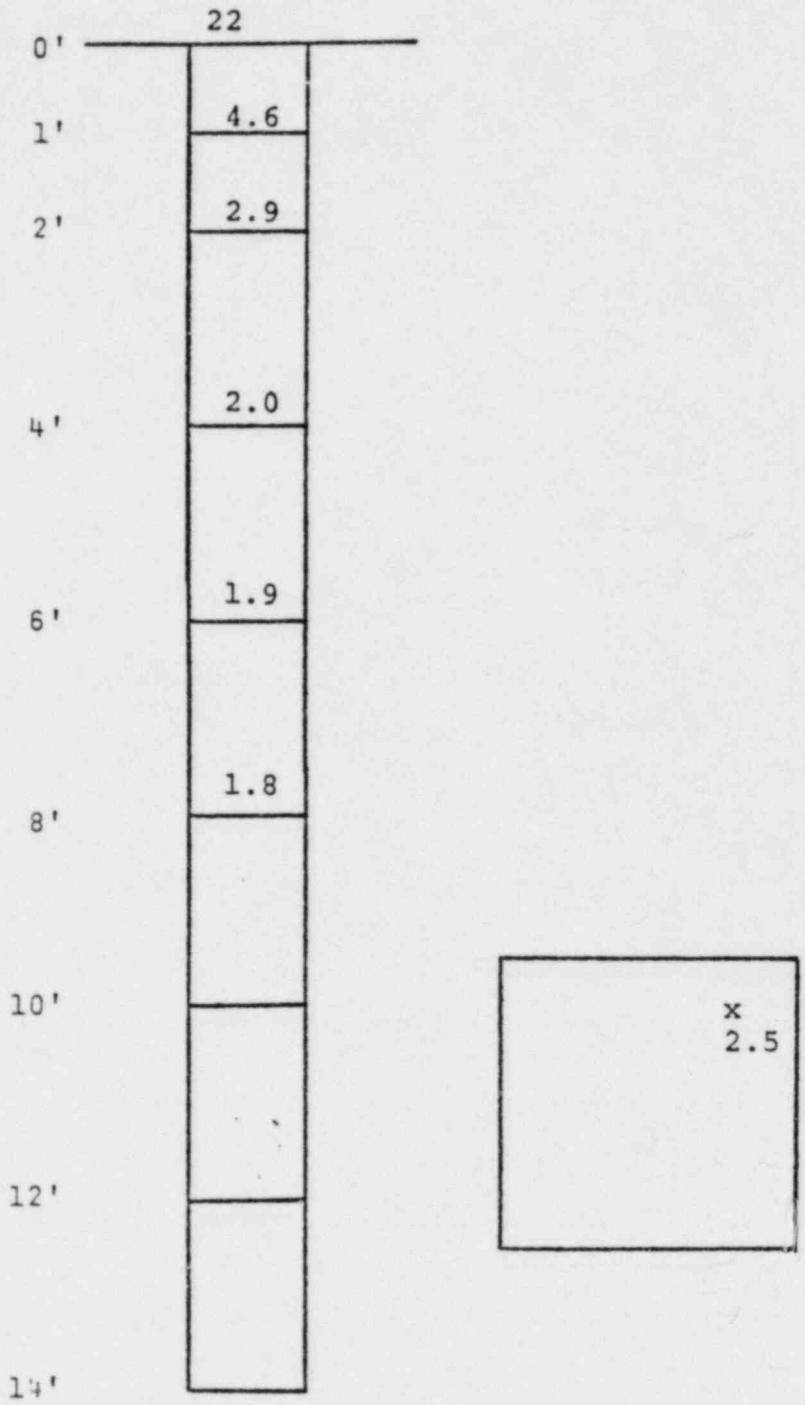


Grid No. 1004

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

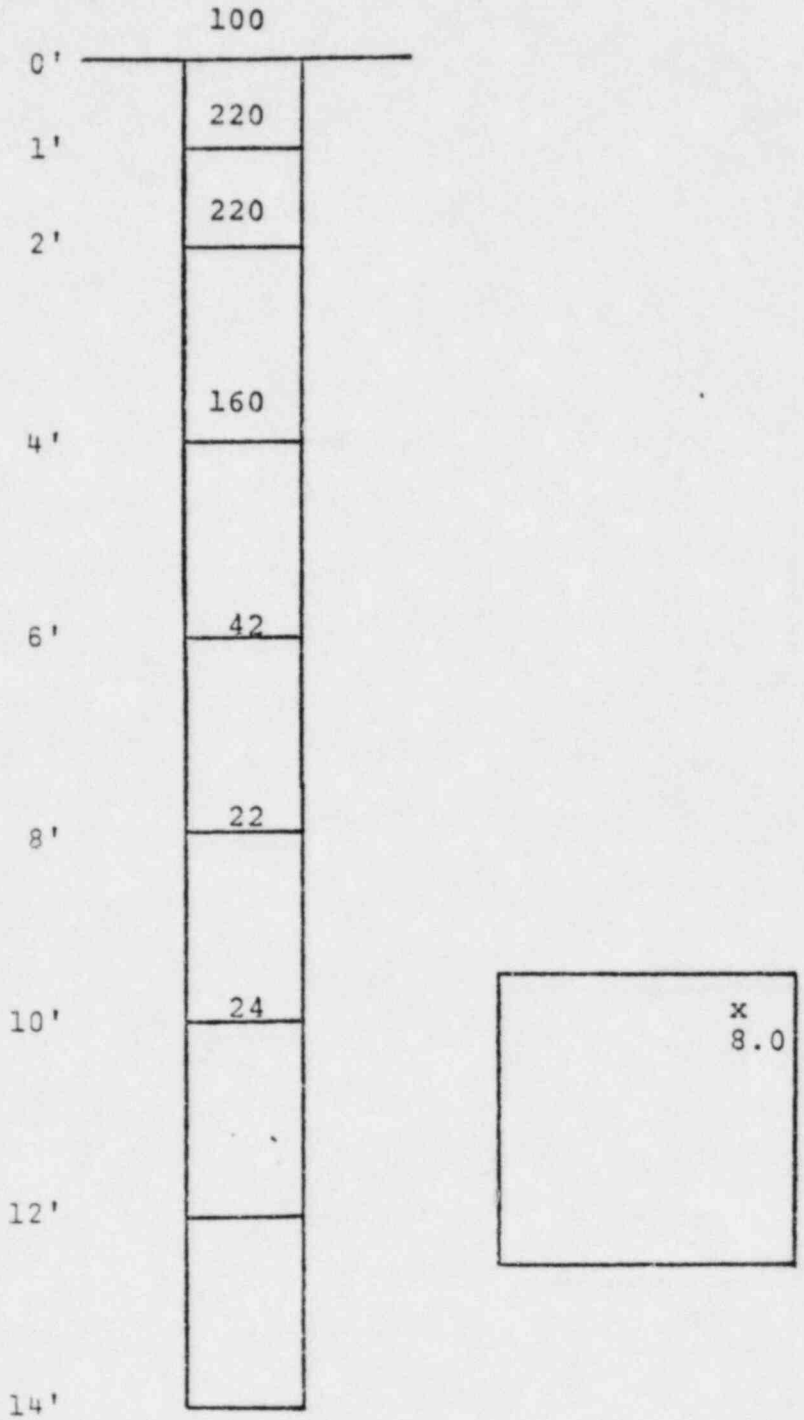


Grid No. 1005

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

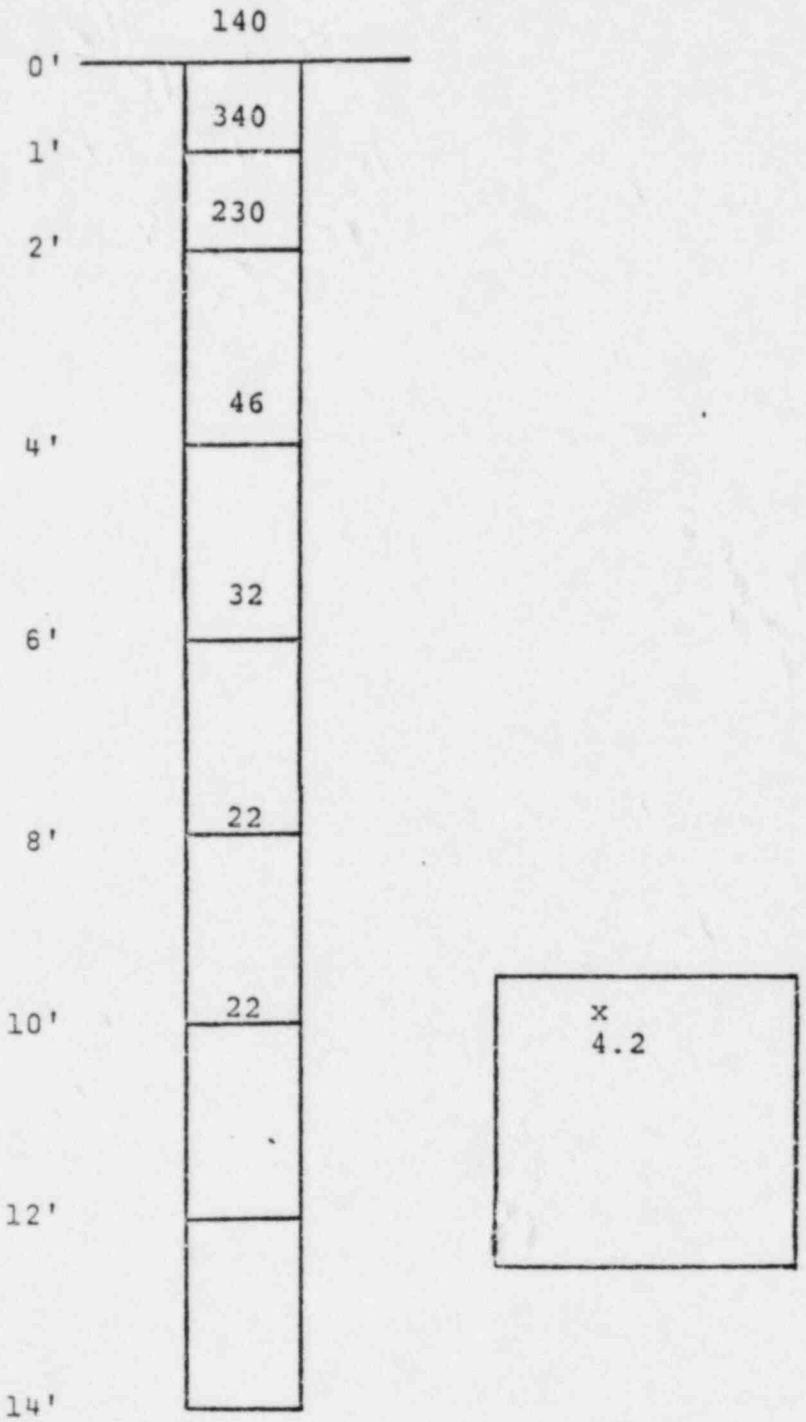


Grid No.1006

ATCO

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

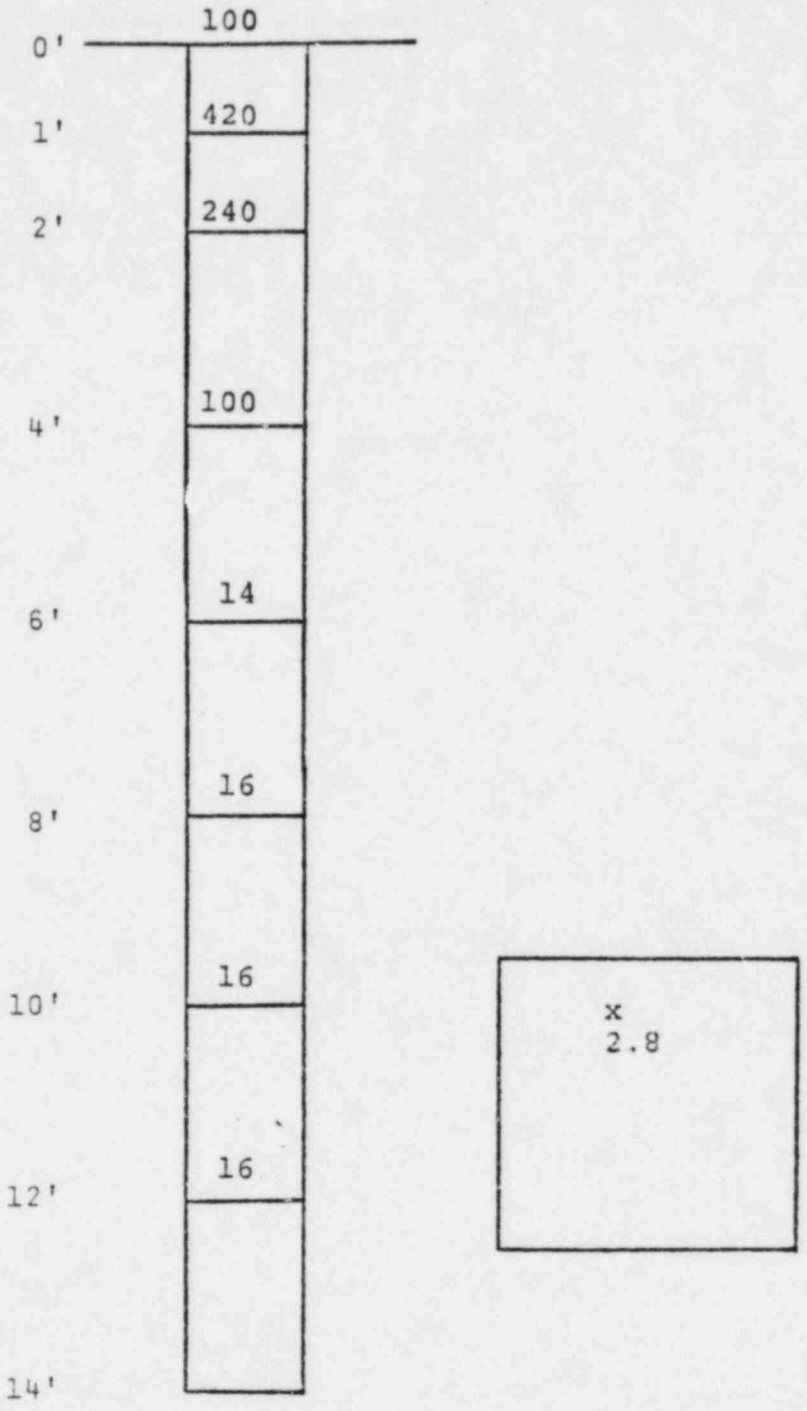


Grid No. 1007

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

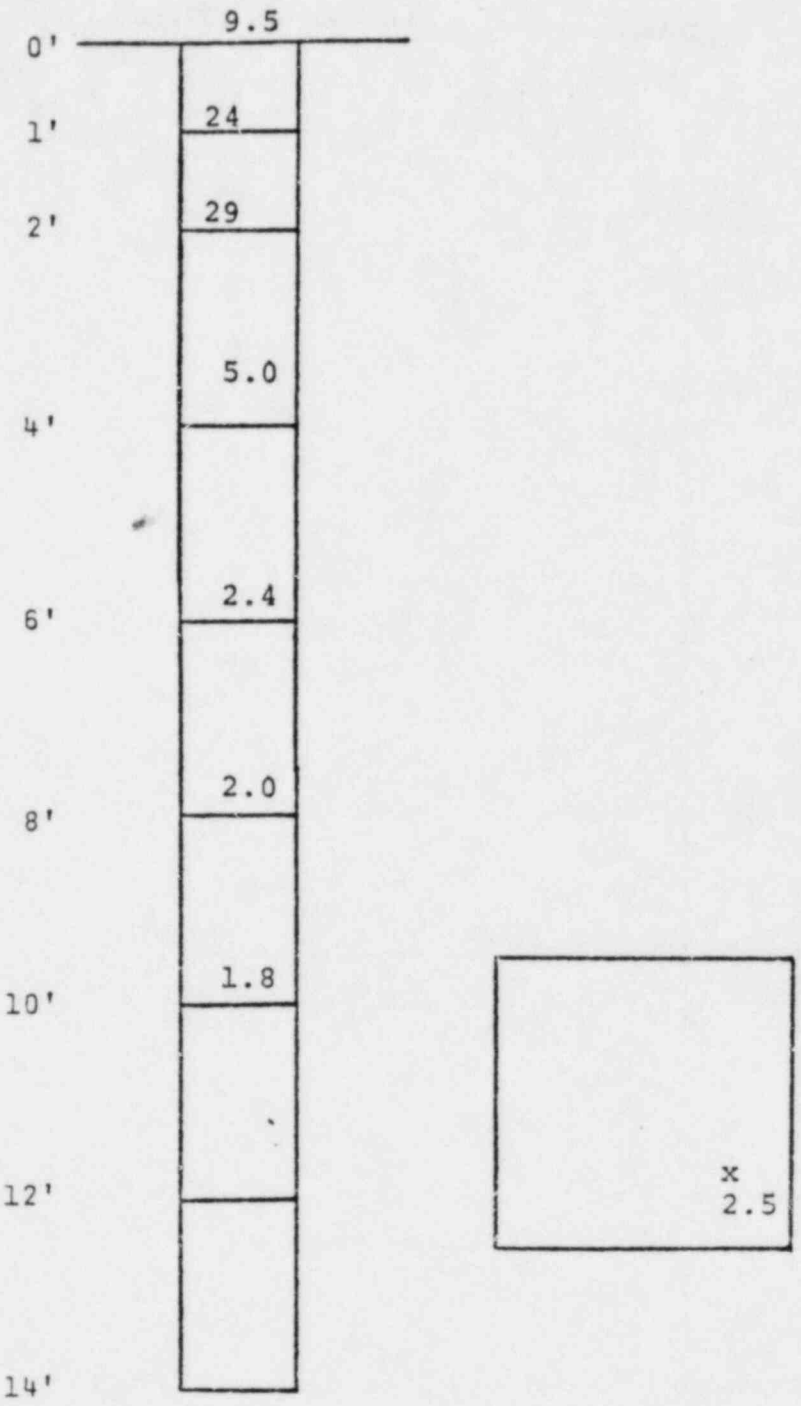


Grid No. 1008

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

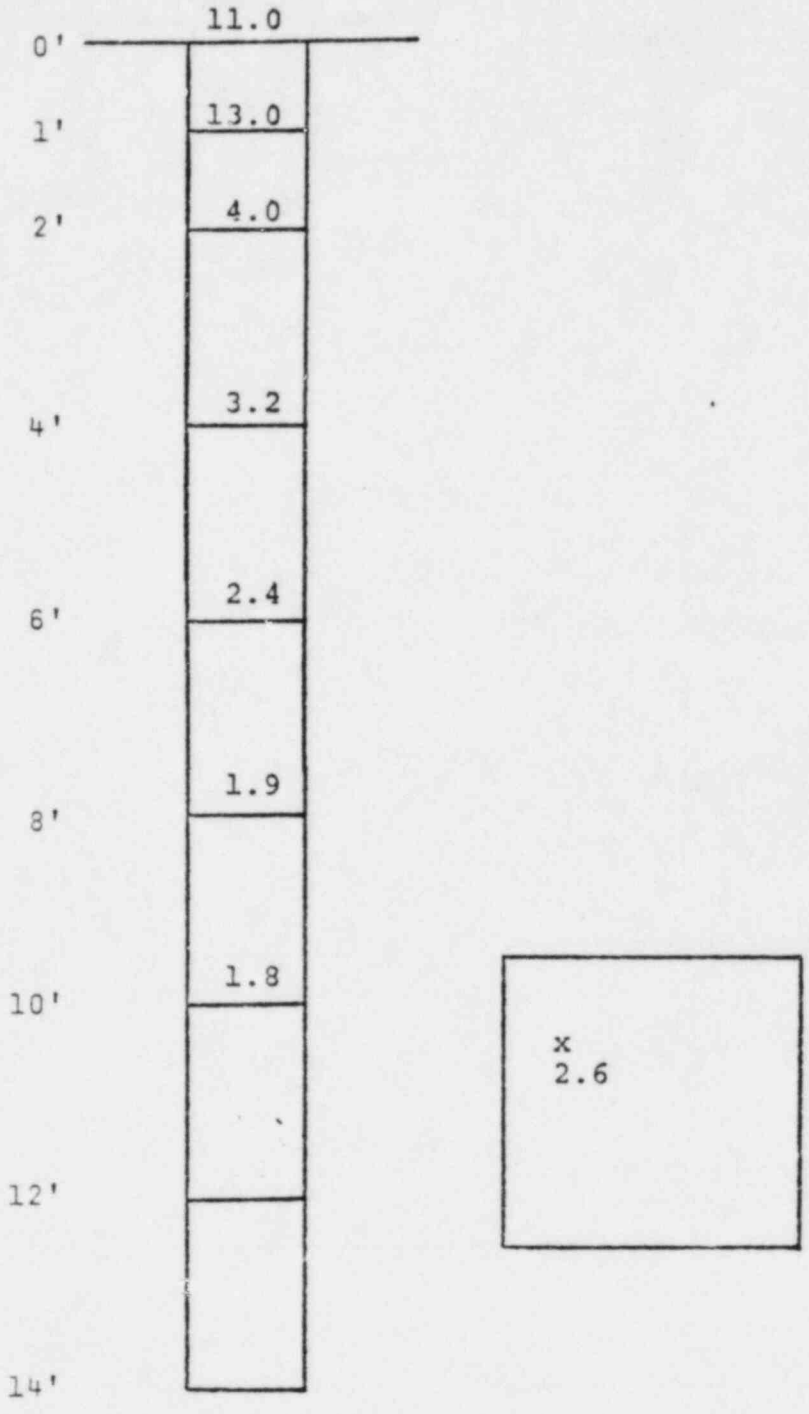


Grid No. 1018

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

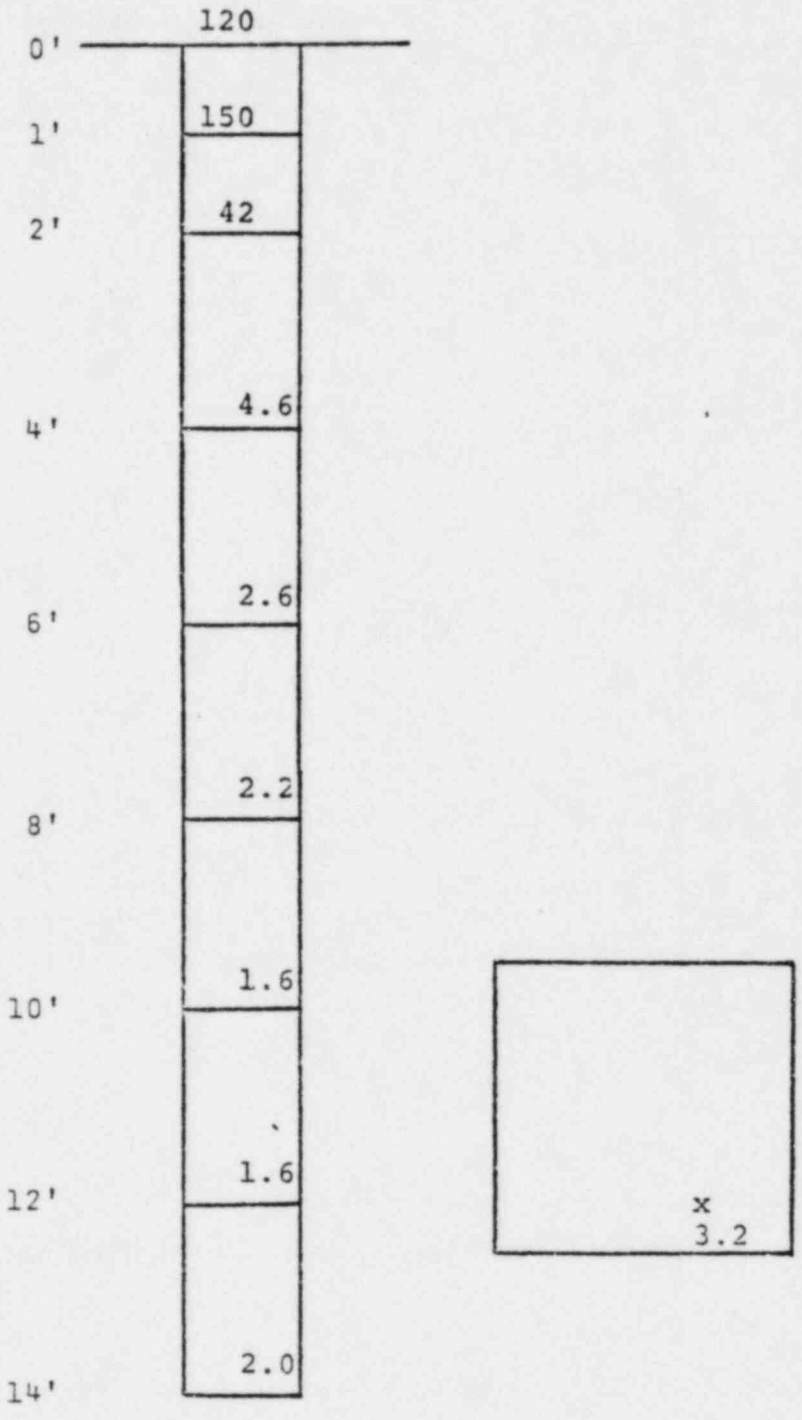


Grid No. 1048

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

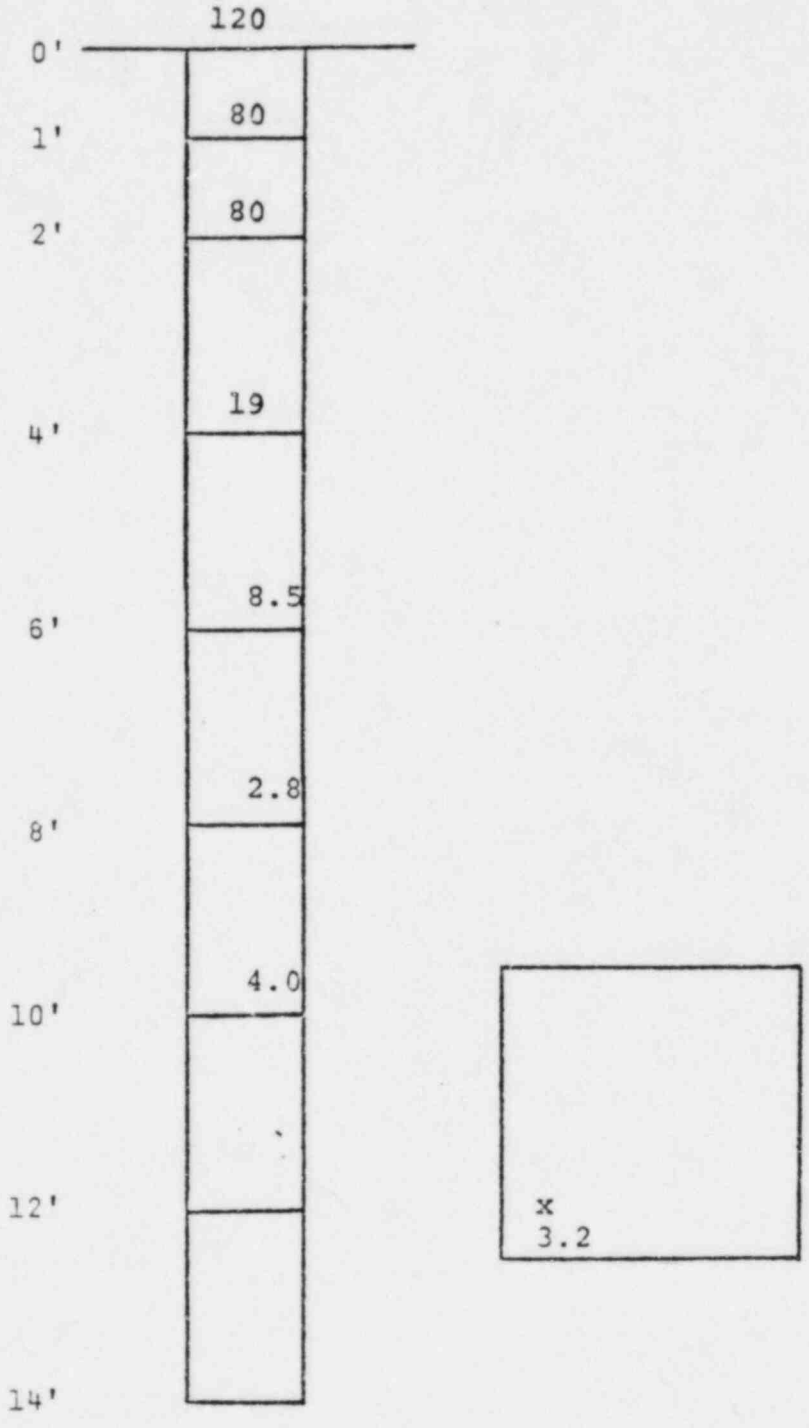


Grid No.1064

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

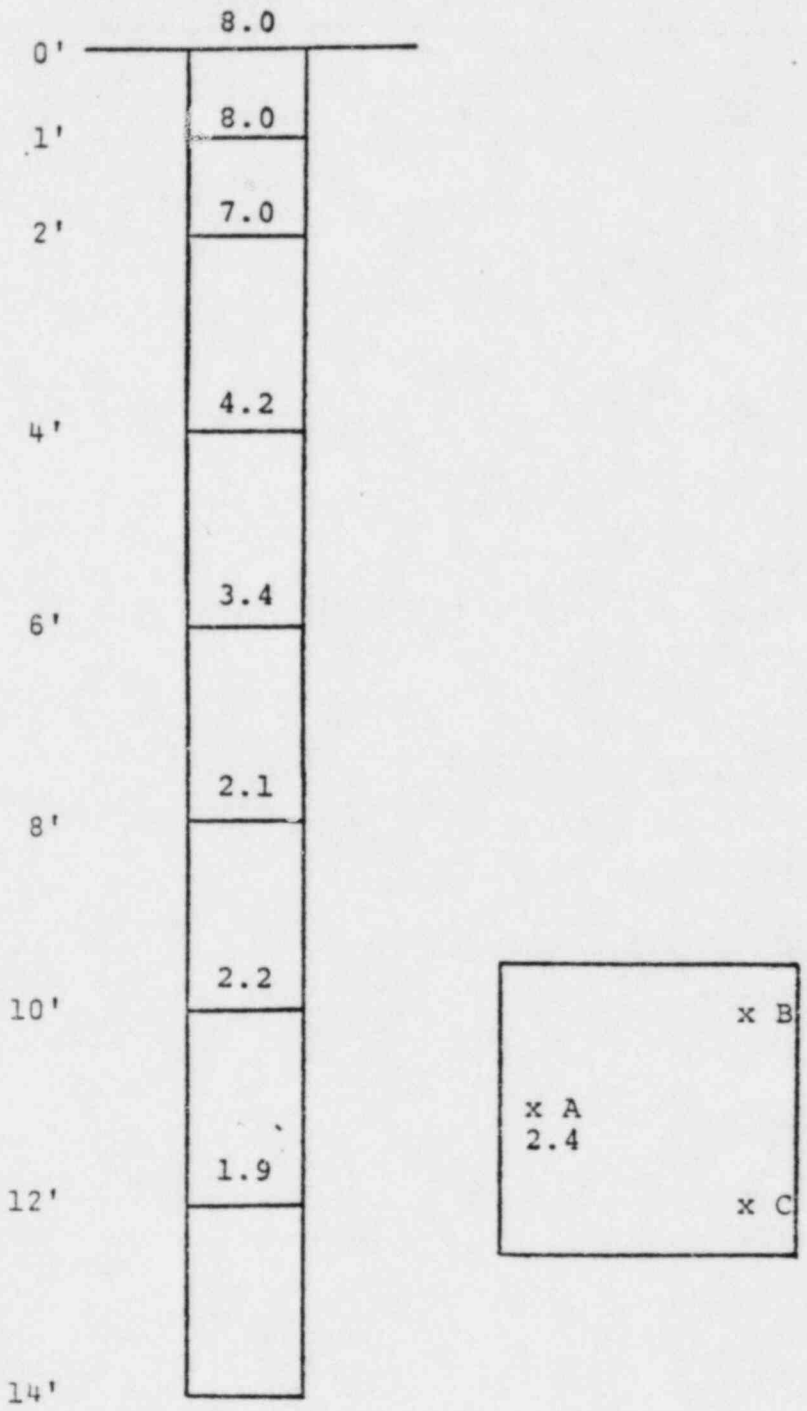


Grid No. 1065

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

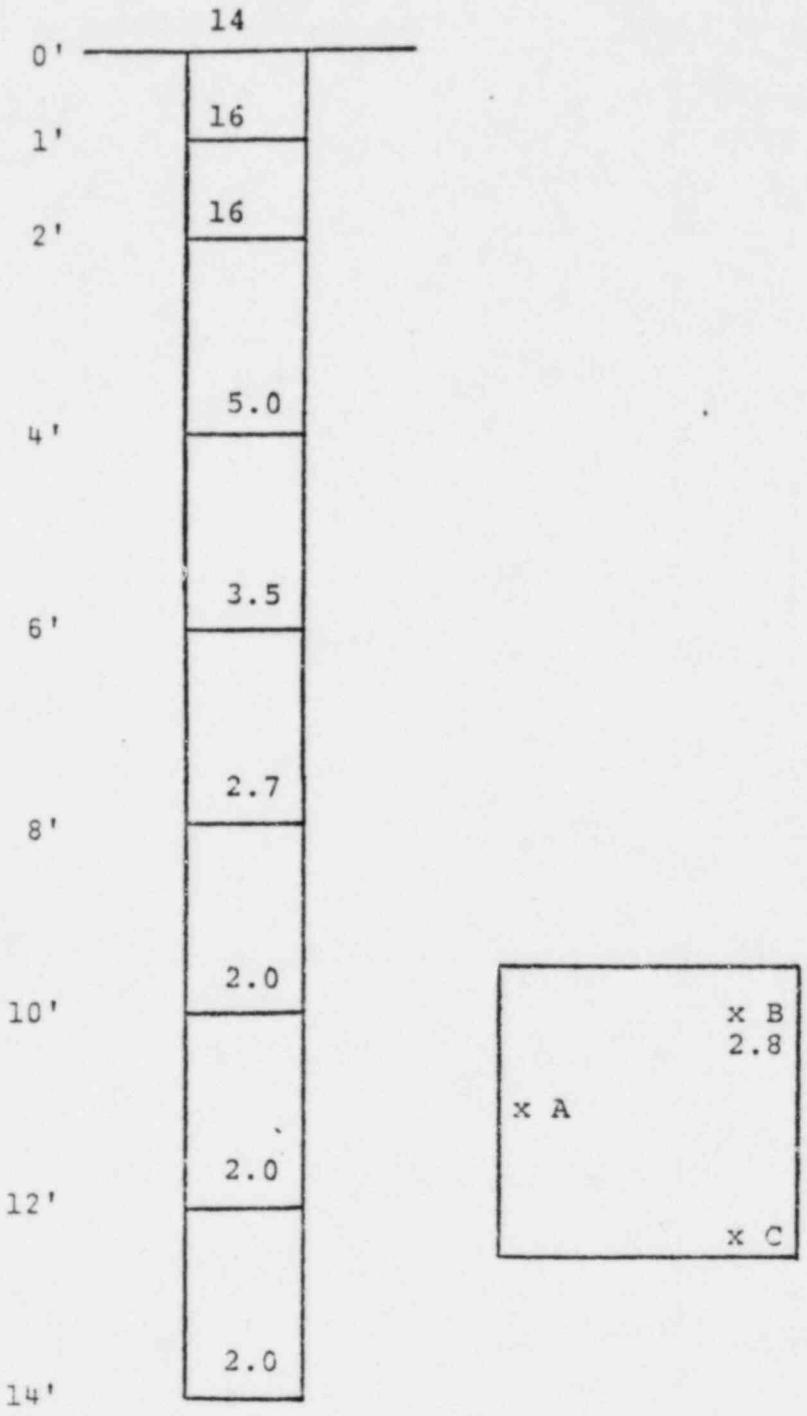


Grid No. 1078-A

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

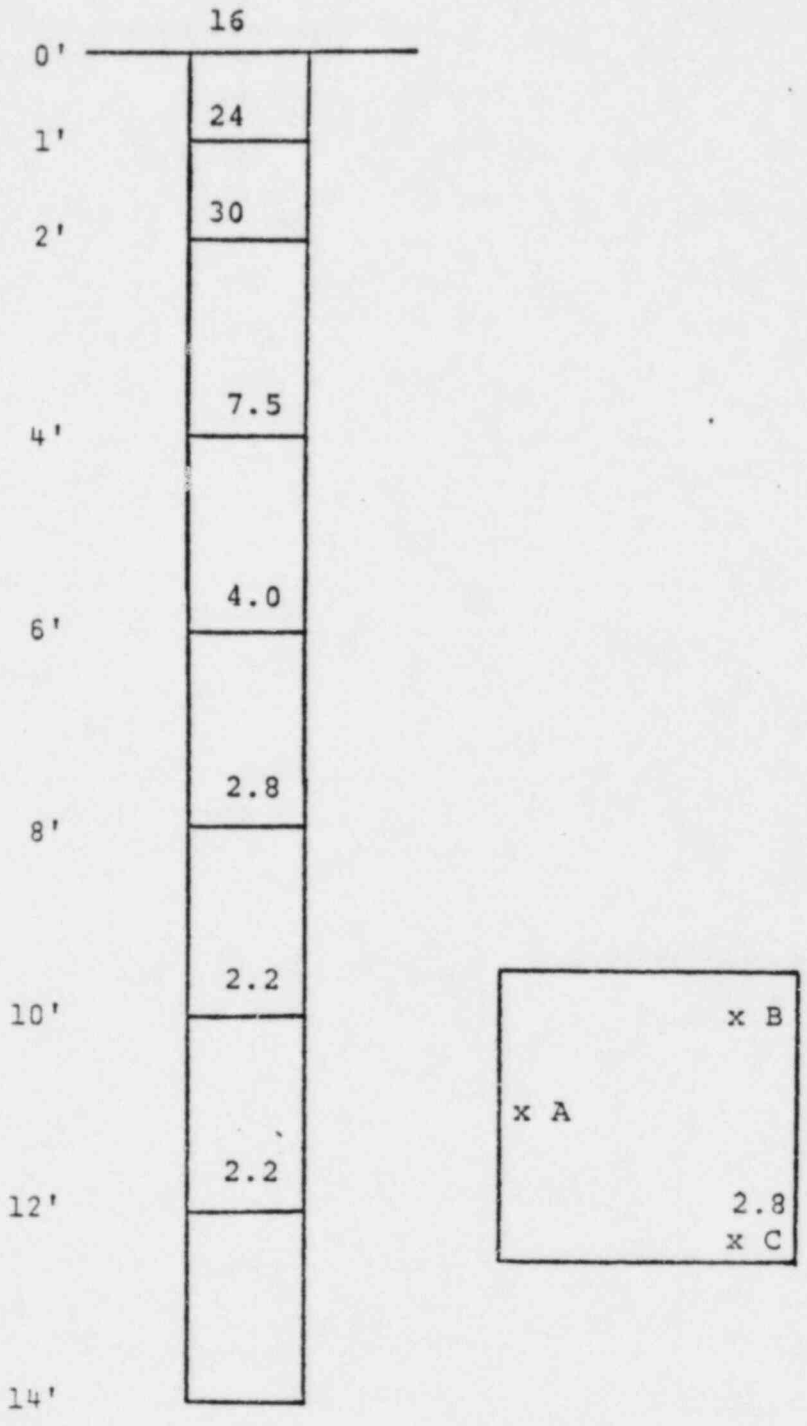


Grid No. 1078-B

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

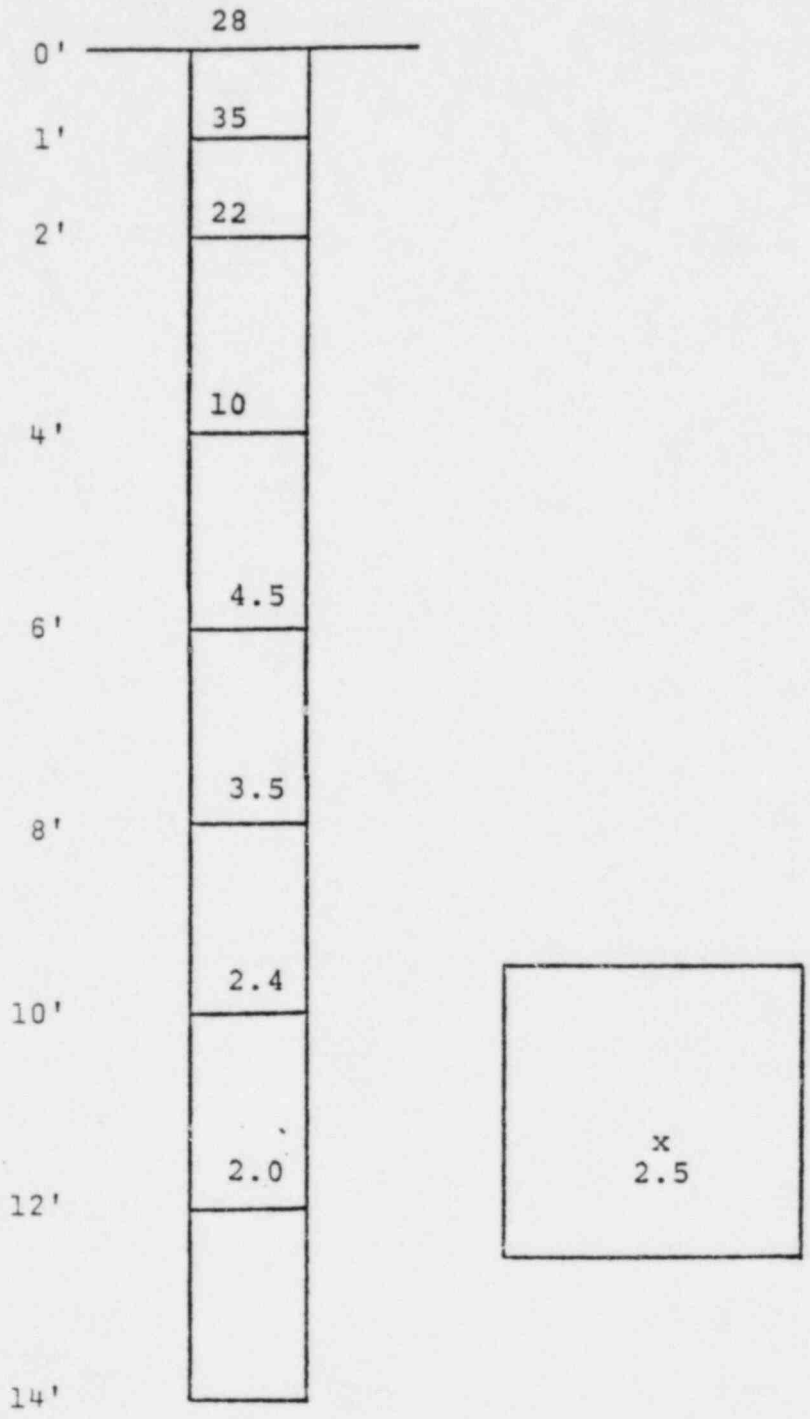


Grid No. 1078-C

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

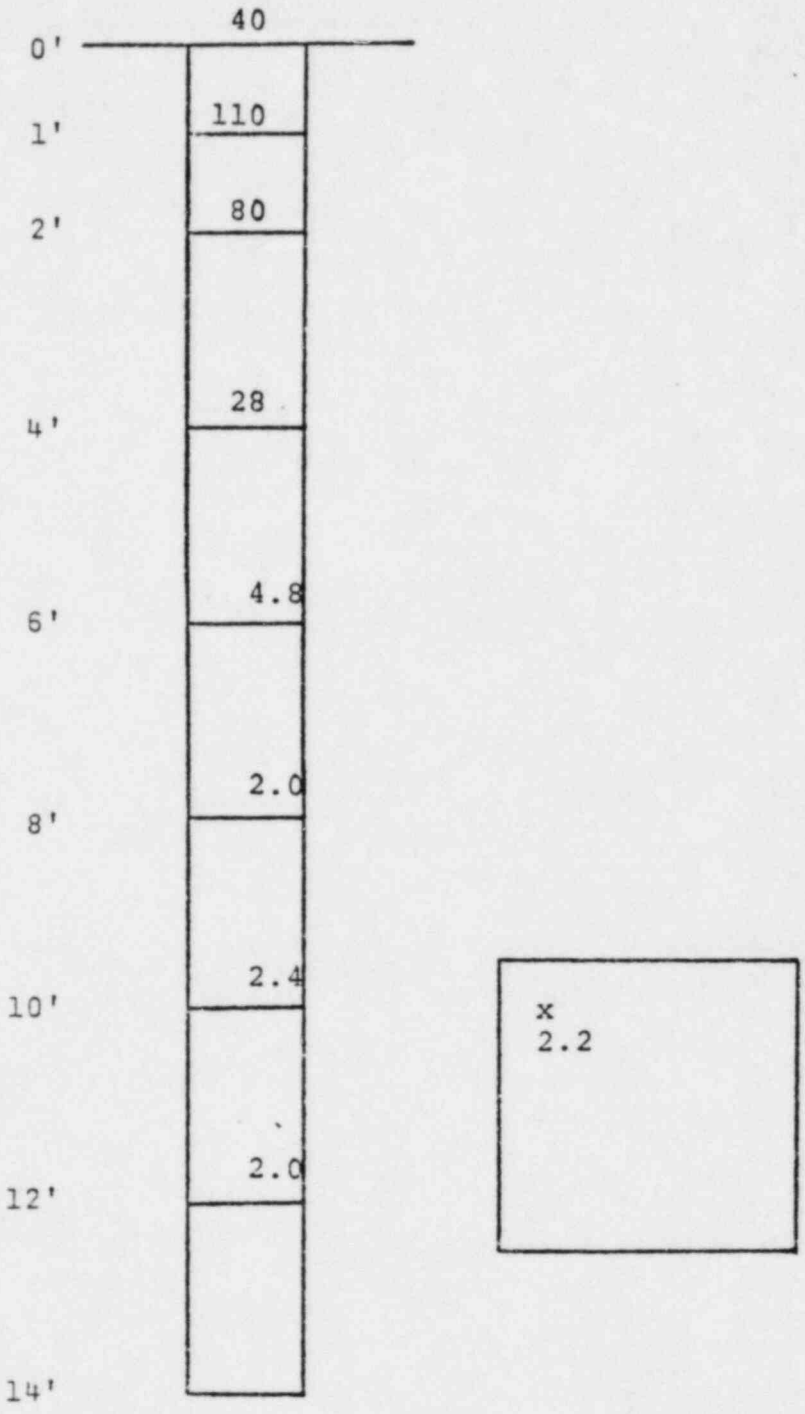


Grid No. 1079

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

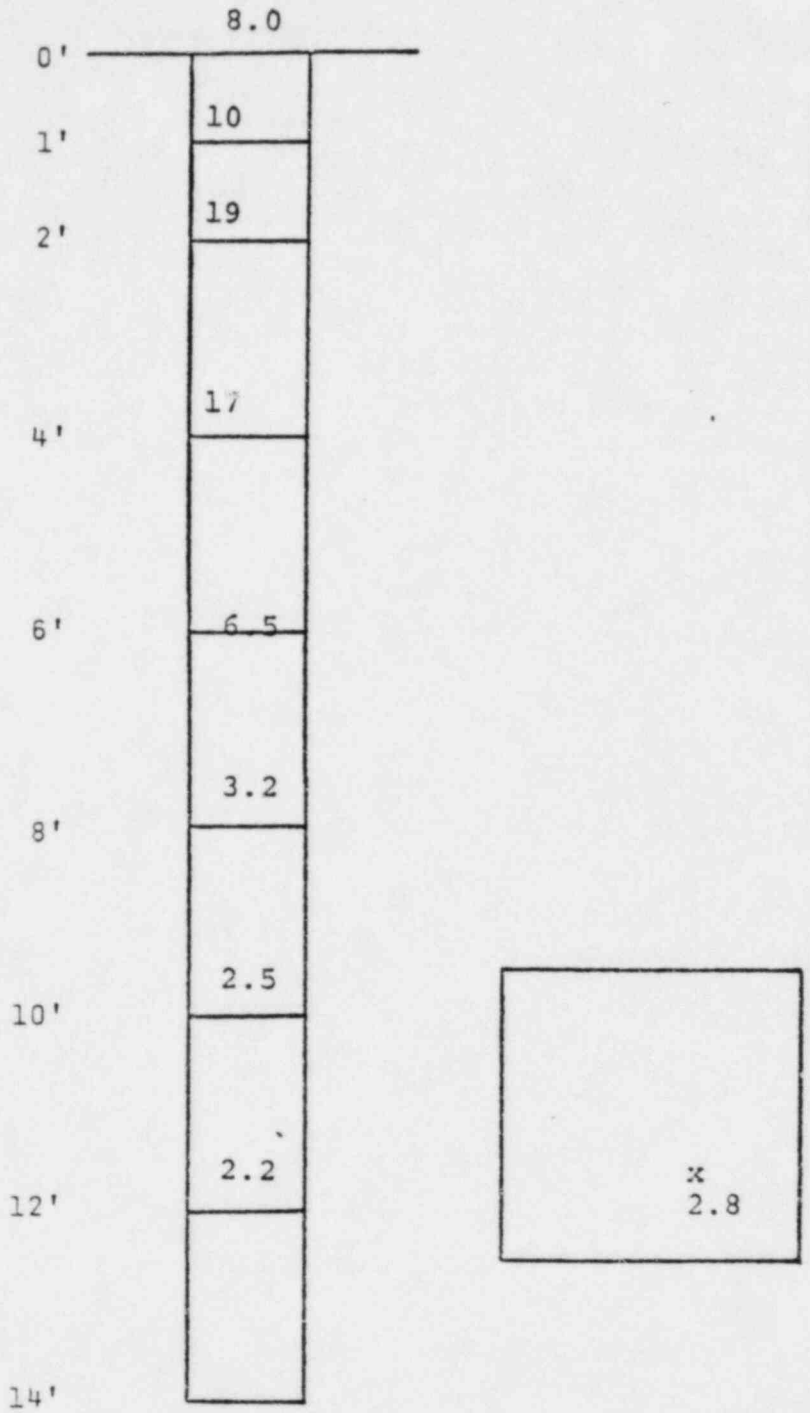


Grid No. 1095

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

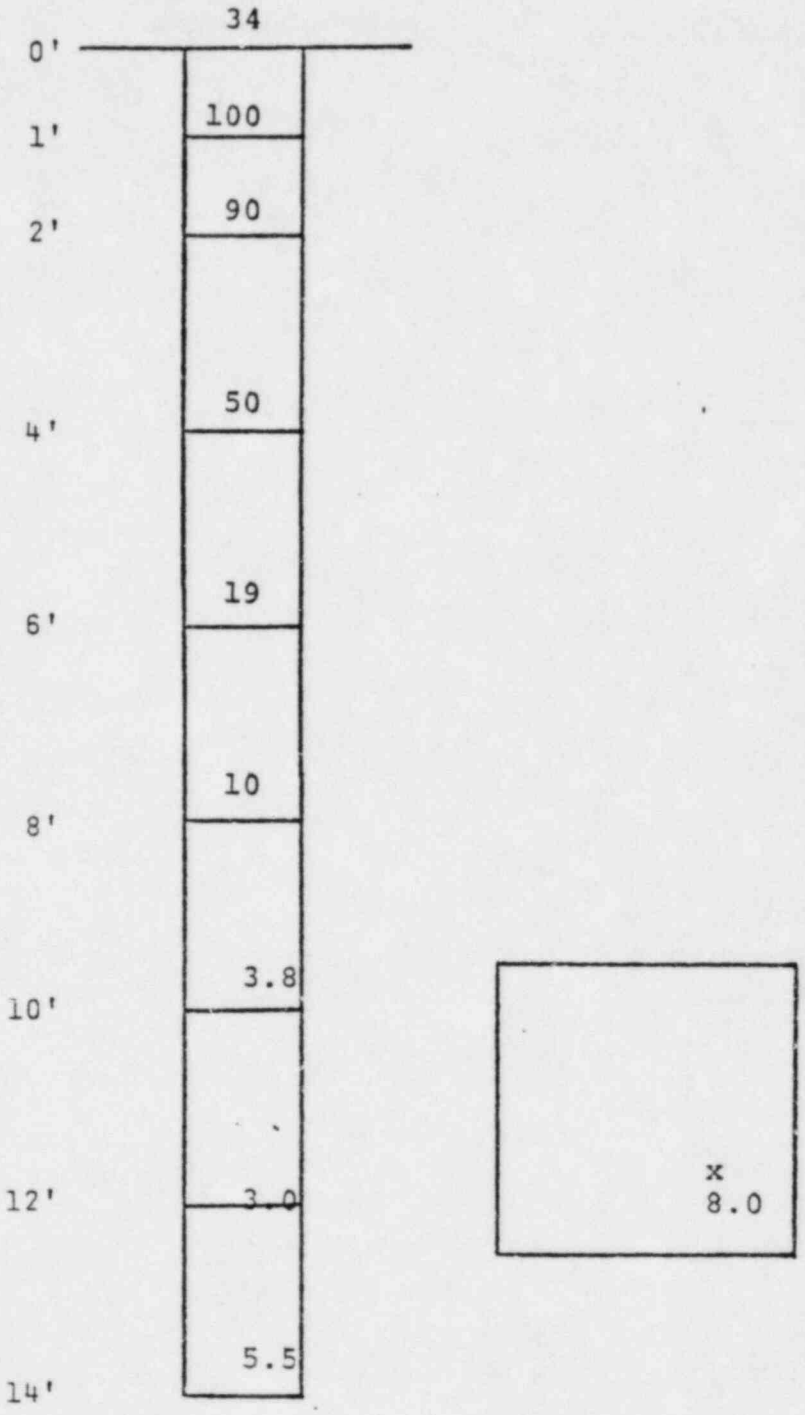


Grid No. 1109

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

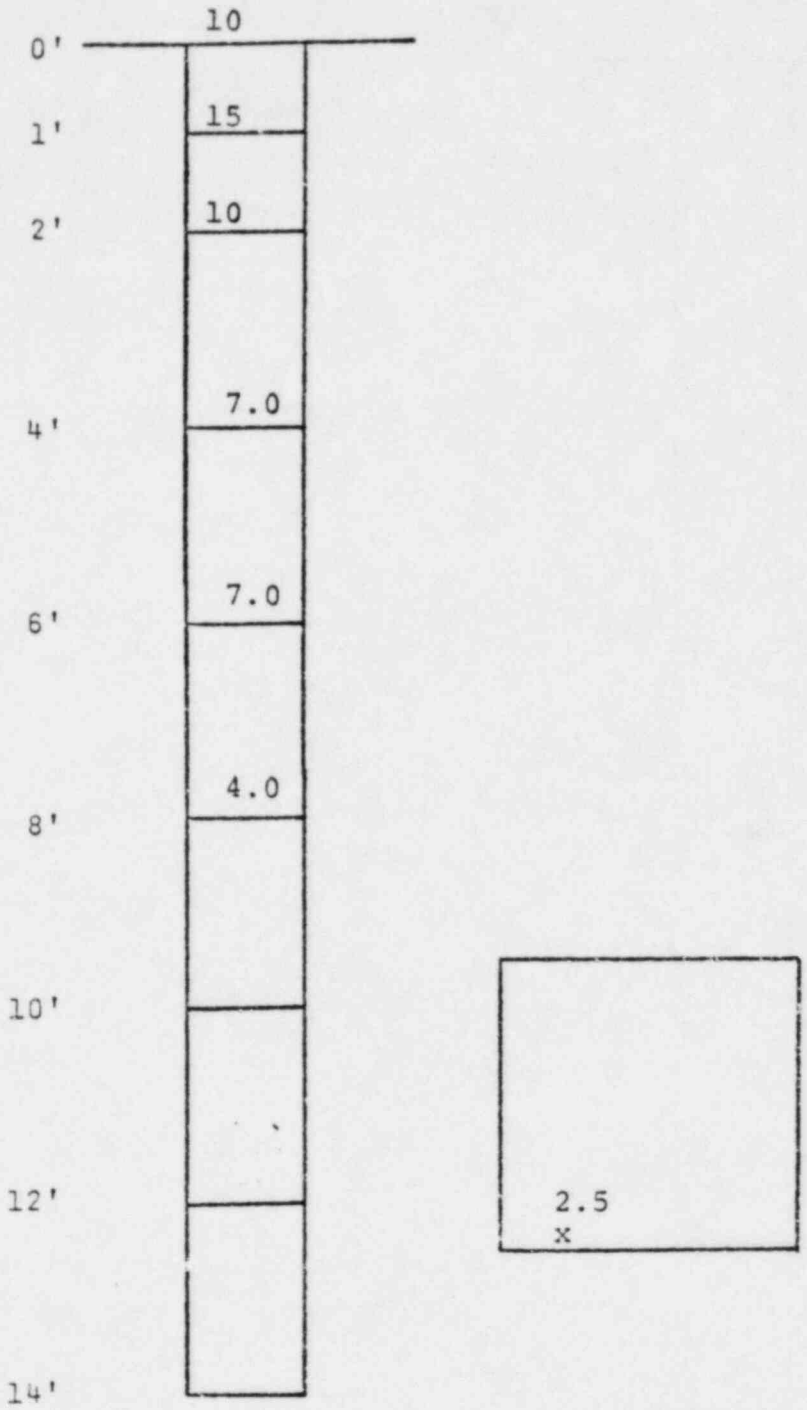


Grid No. 1110

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

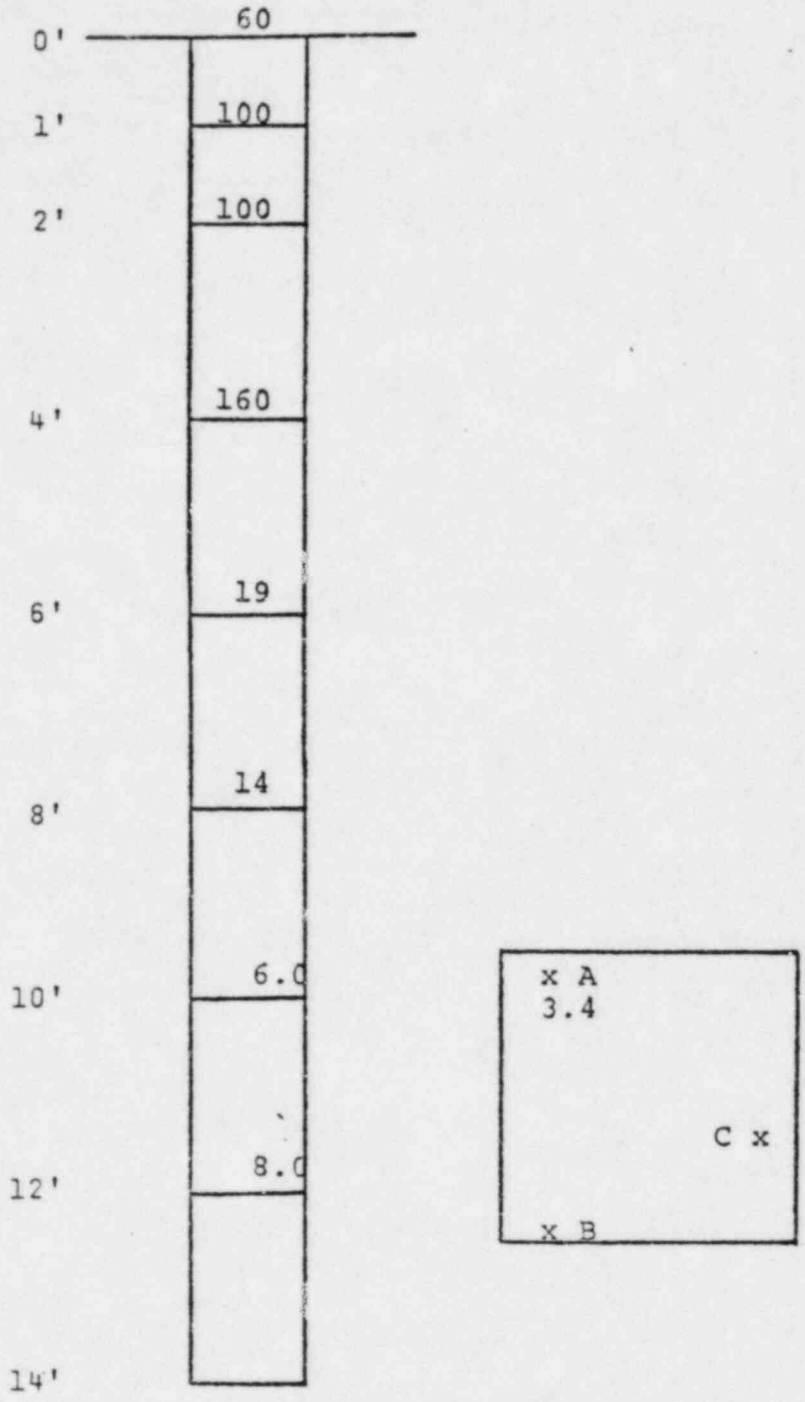


Grid No. 1127

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

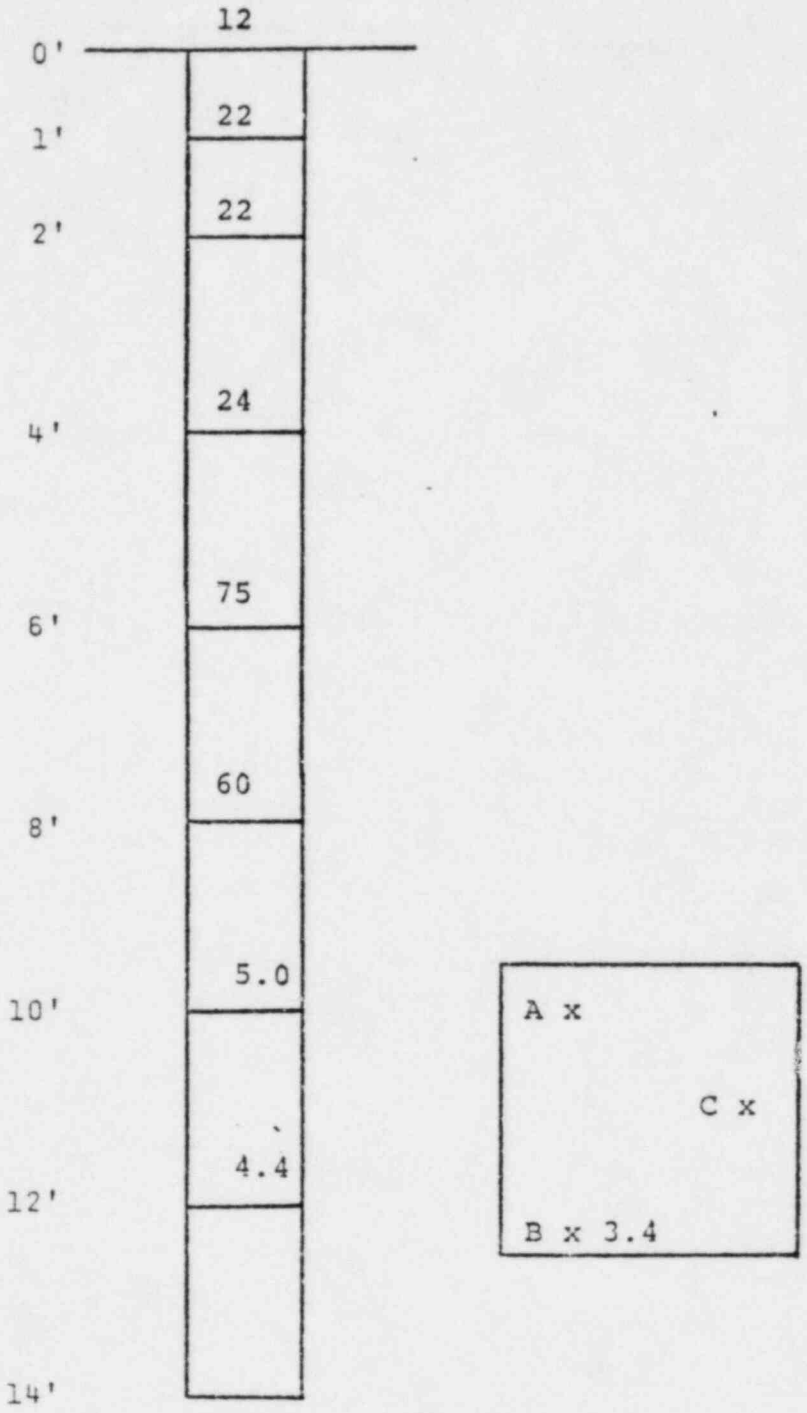


Grid No. 1140-A

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

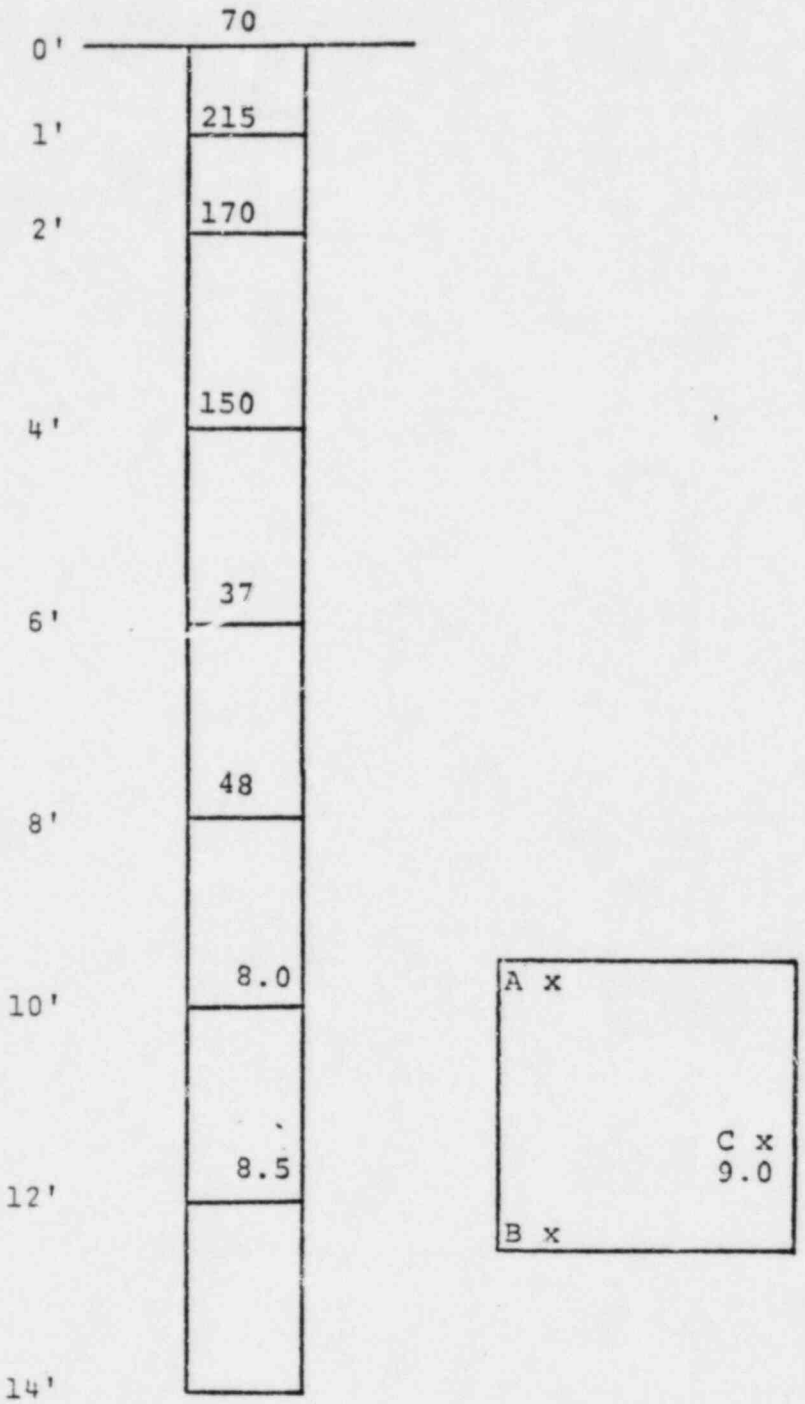


Grid No. 1140-B

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

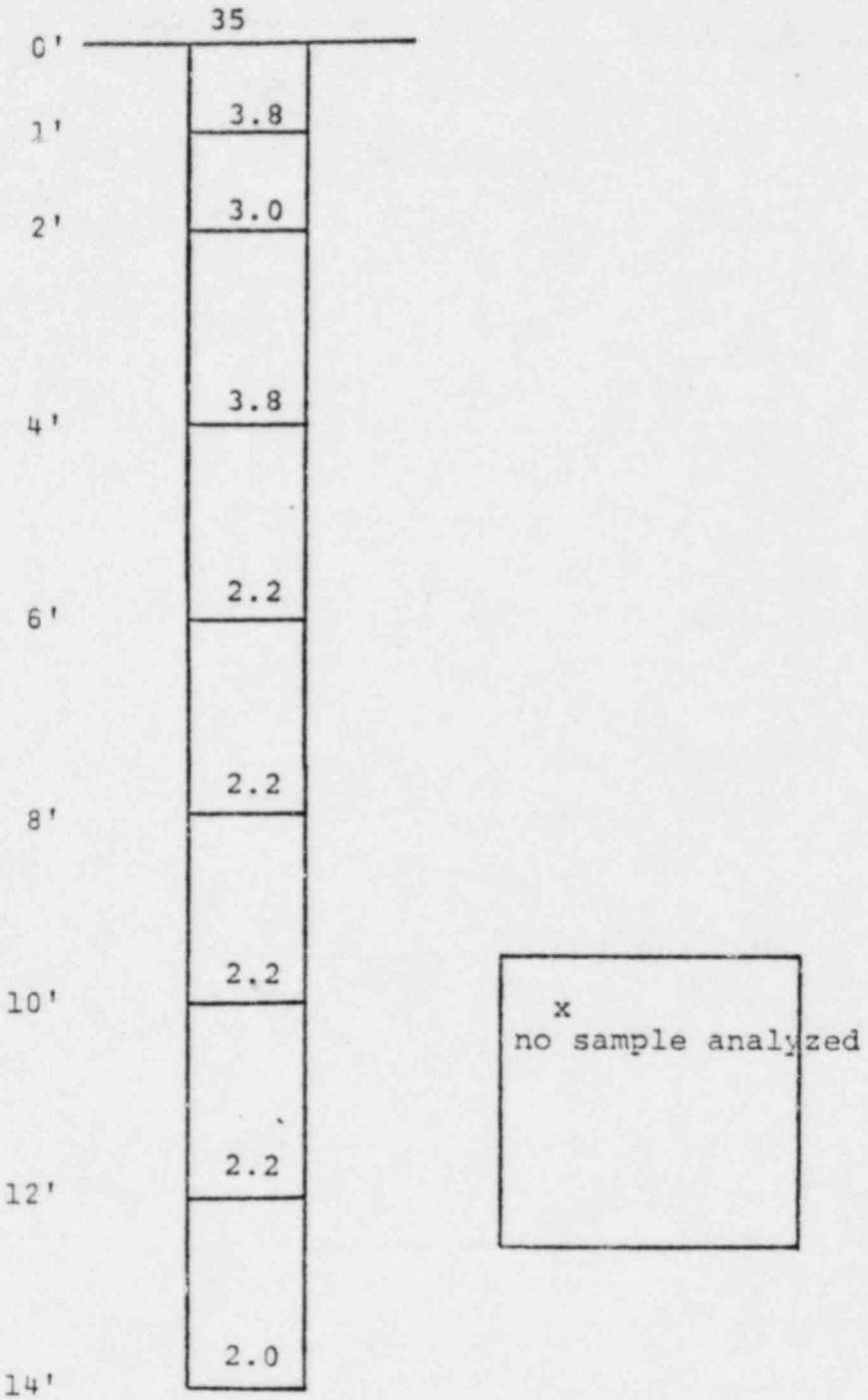


Grid No. 1140-C

ATCOR

TABLE 4.d(5)

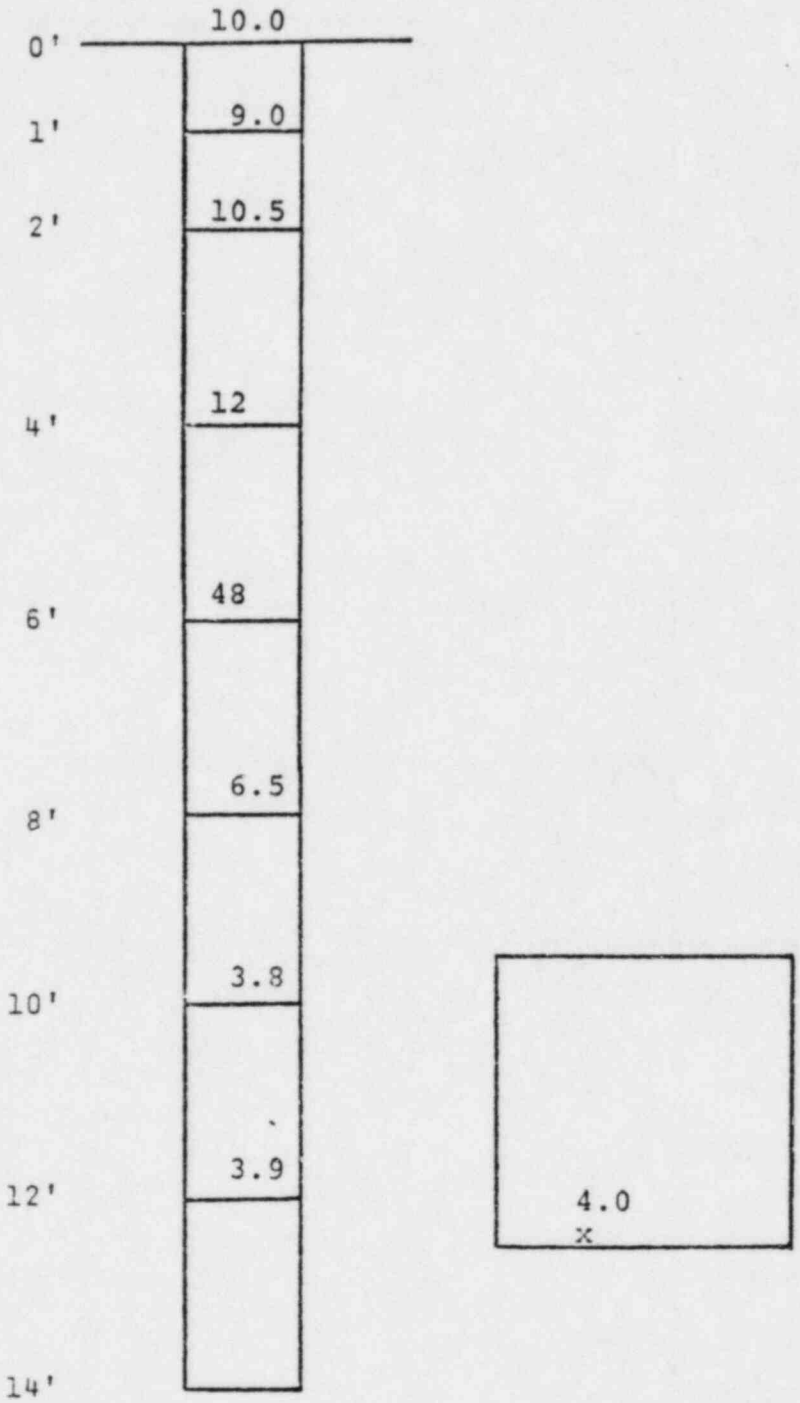
RADIOLOGICAL DATA ON WATER JETTED HOLES



Grid No. 1154

TABLE 4.d(5)

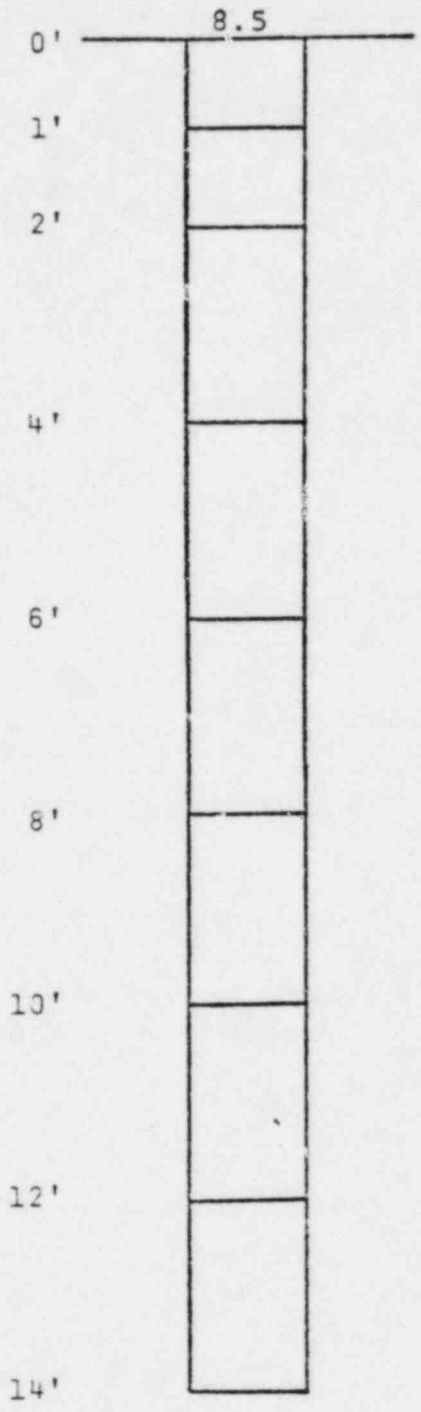
RADIOLOGICAL DATA ON WATER JETTED HOLES



Grid No. 1157

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES



Due to a large quantity of pyroforic material brought to the surface by the water-jet process, the area was backfilled to reduce a potential hazard to all personnel on site.

Pyrophoric Material

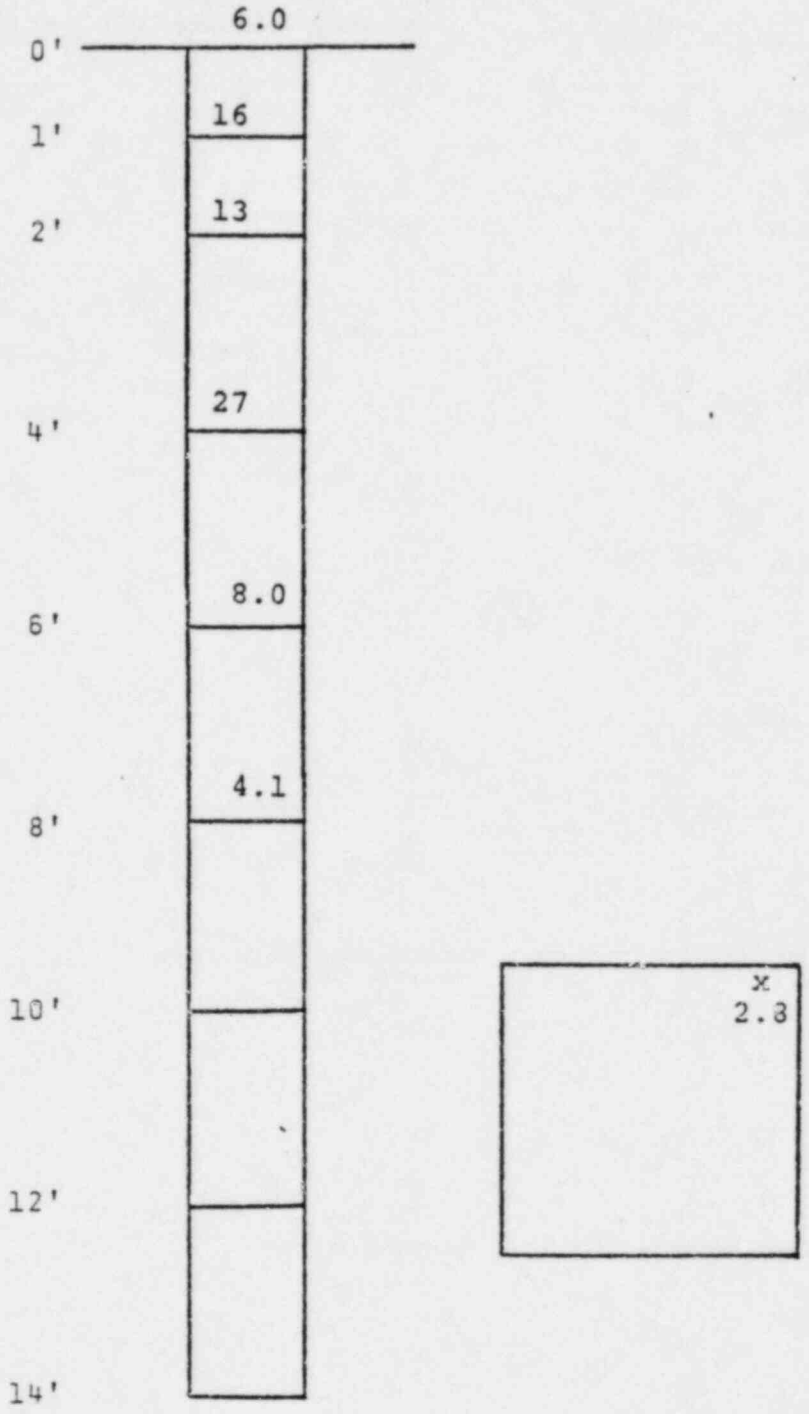
x
no sample
analyzed

Grid No. 1166

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

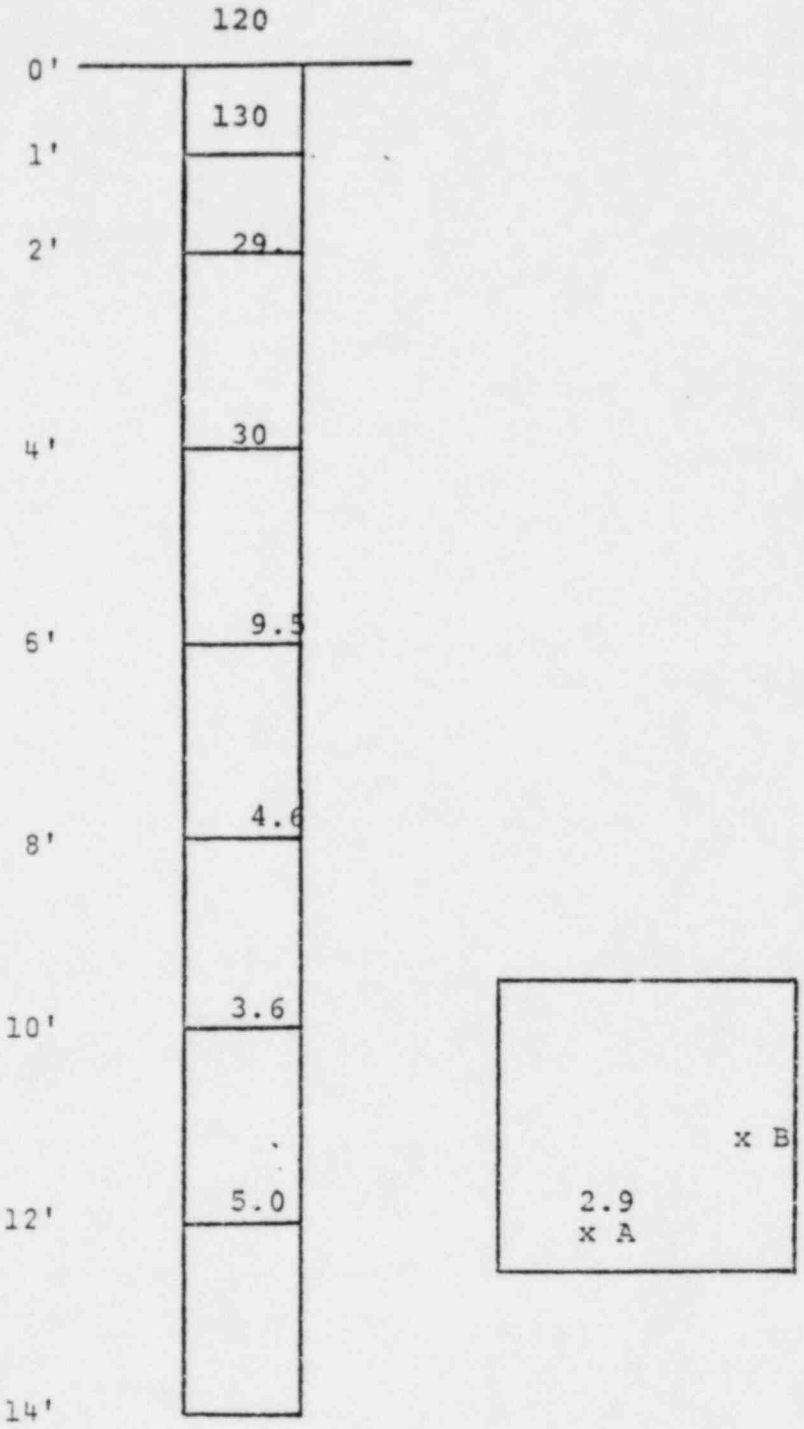


Grid No. 1167

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

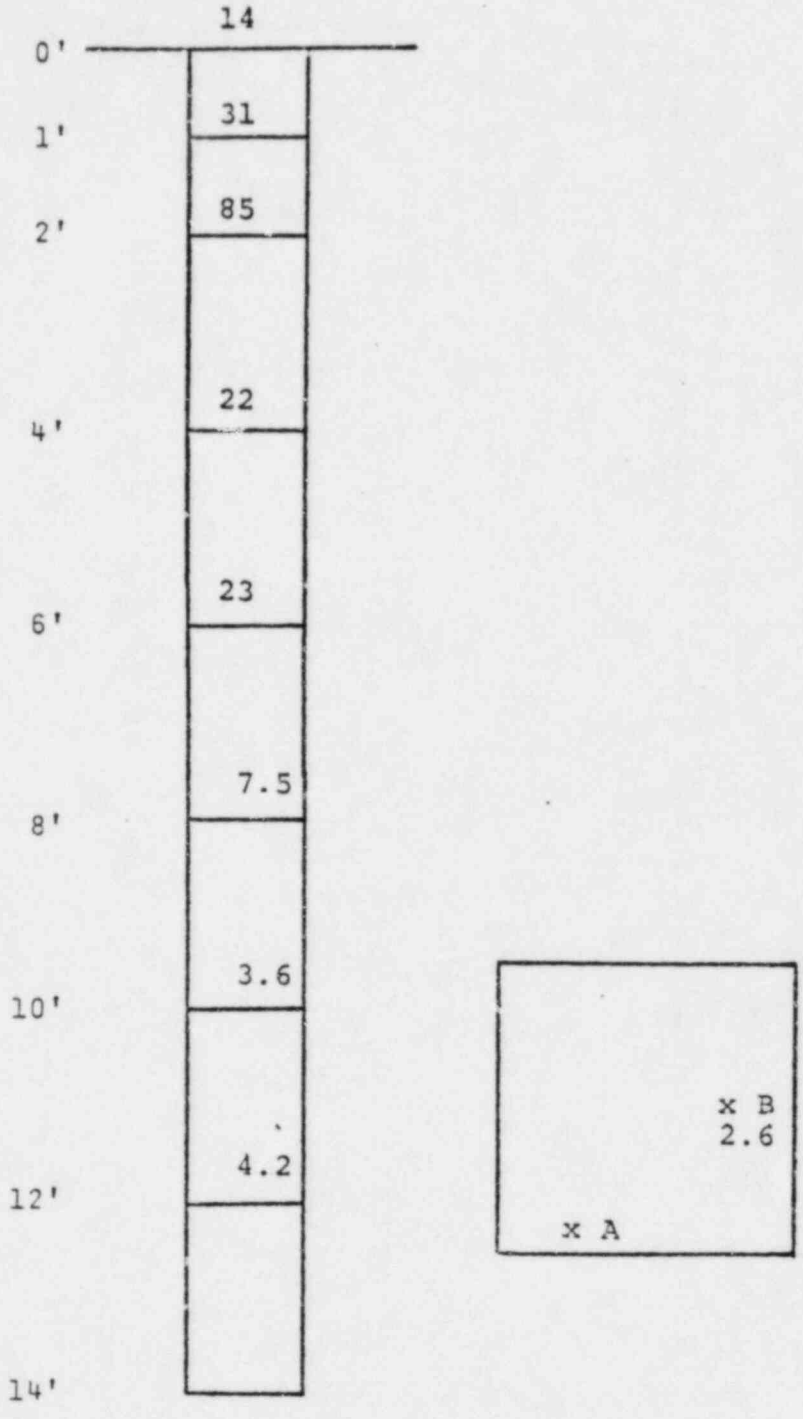


Grid No. 1180-A

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

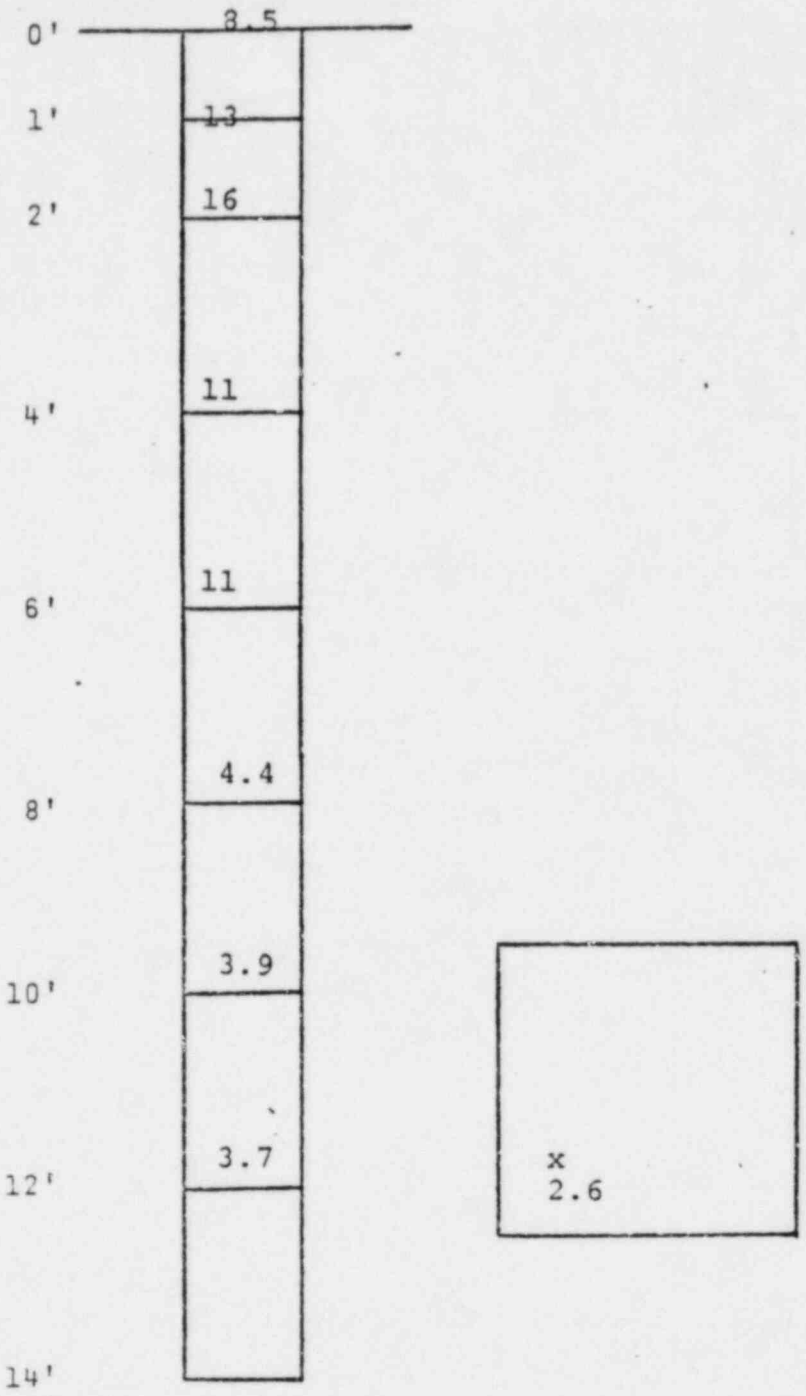


Grid No. 1180-B

ATCOR

TABLE 4.d(3)

RADIOLOGICAL DATA ON WATER JETTED HOLES

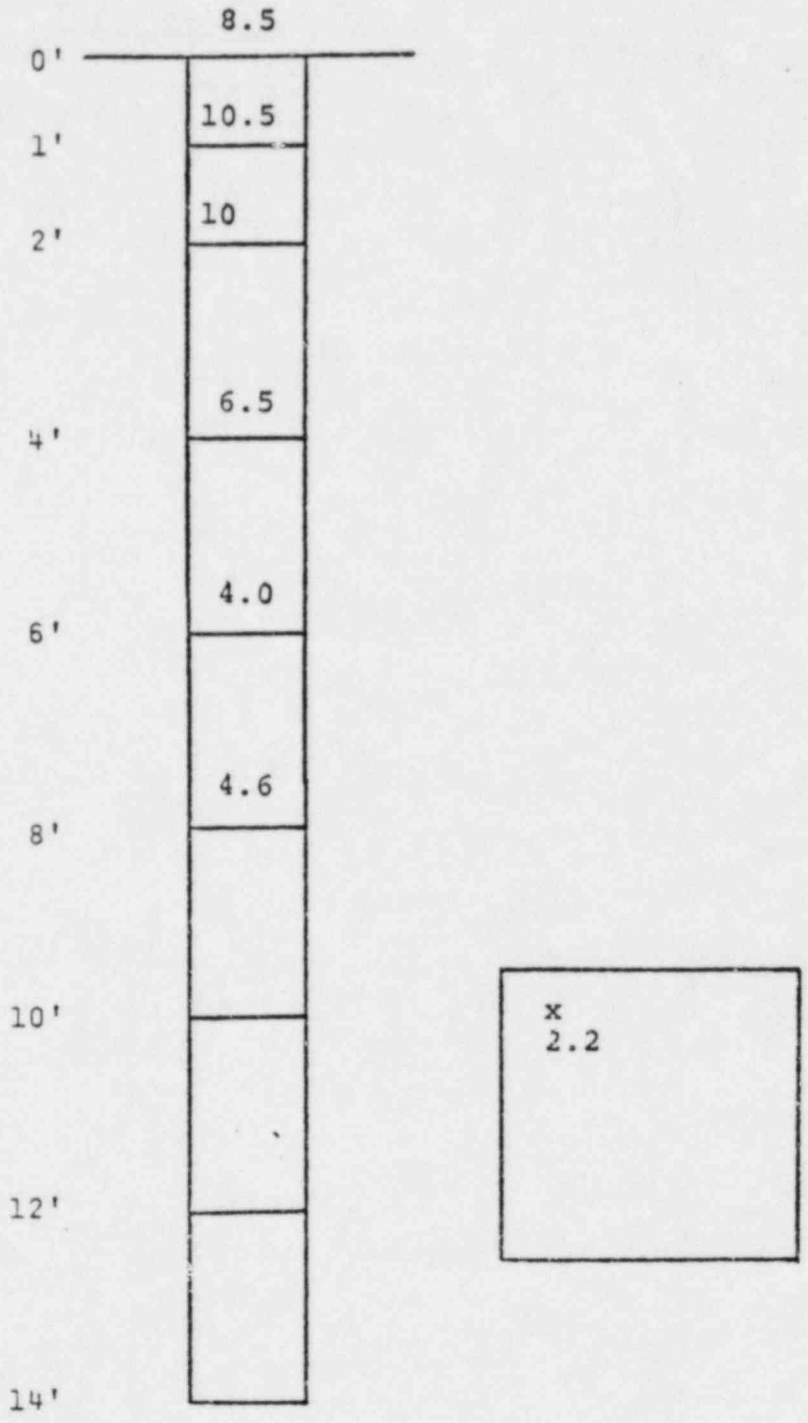


Grid No. 1195

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

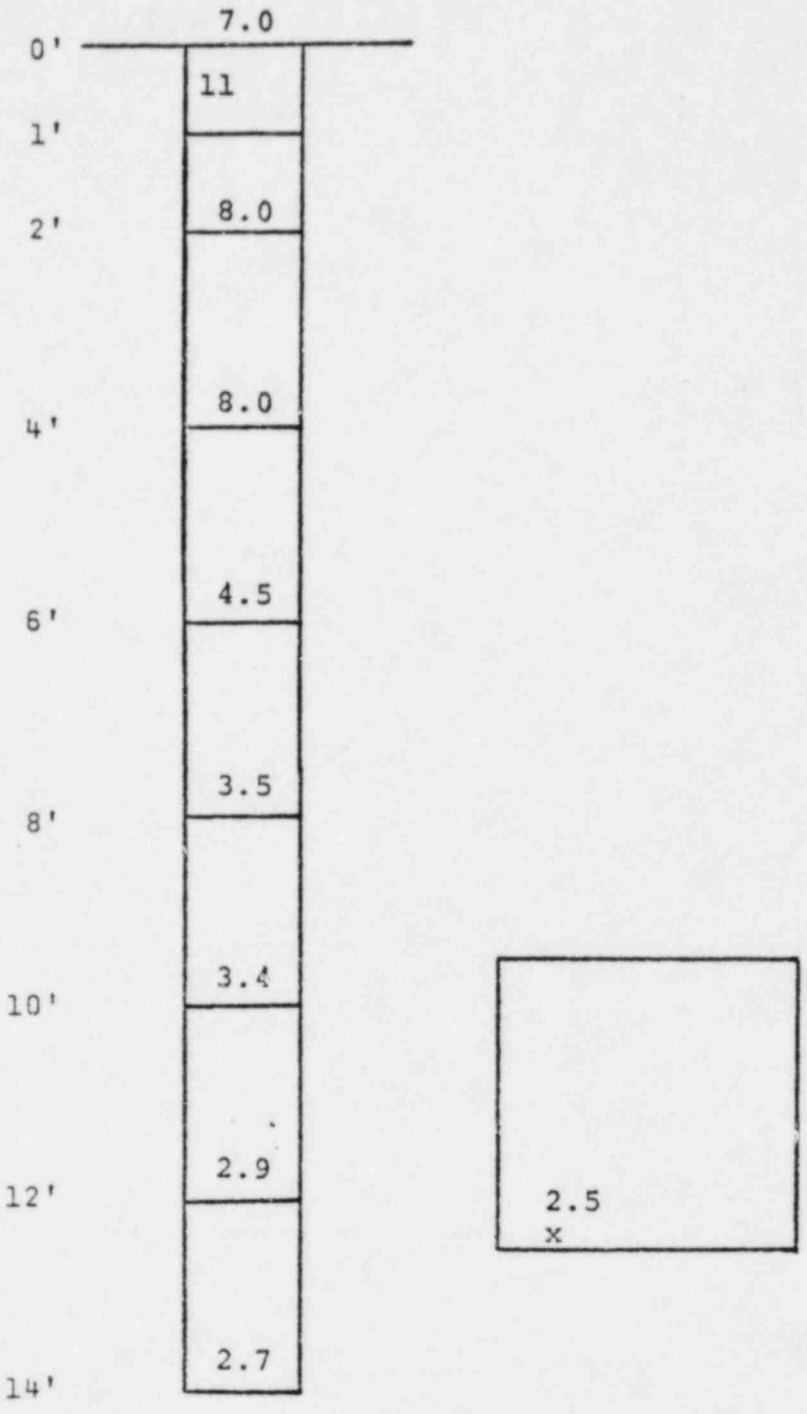


Grid No. 1196

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

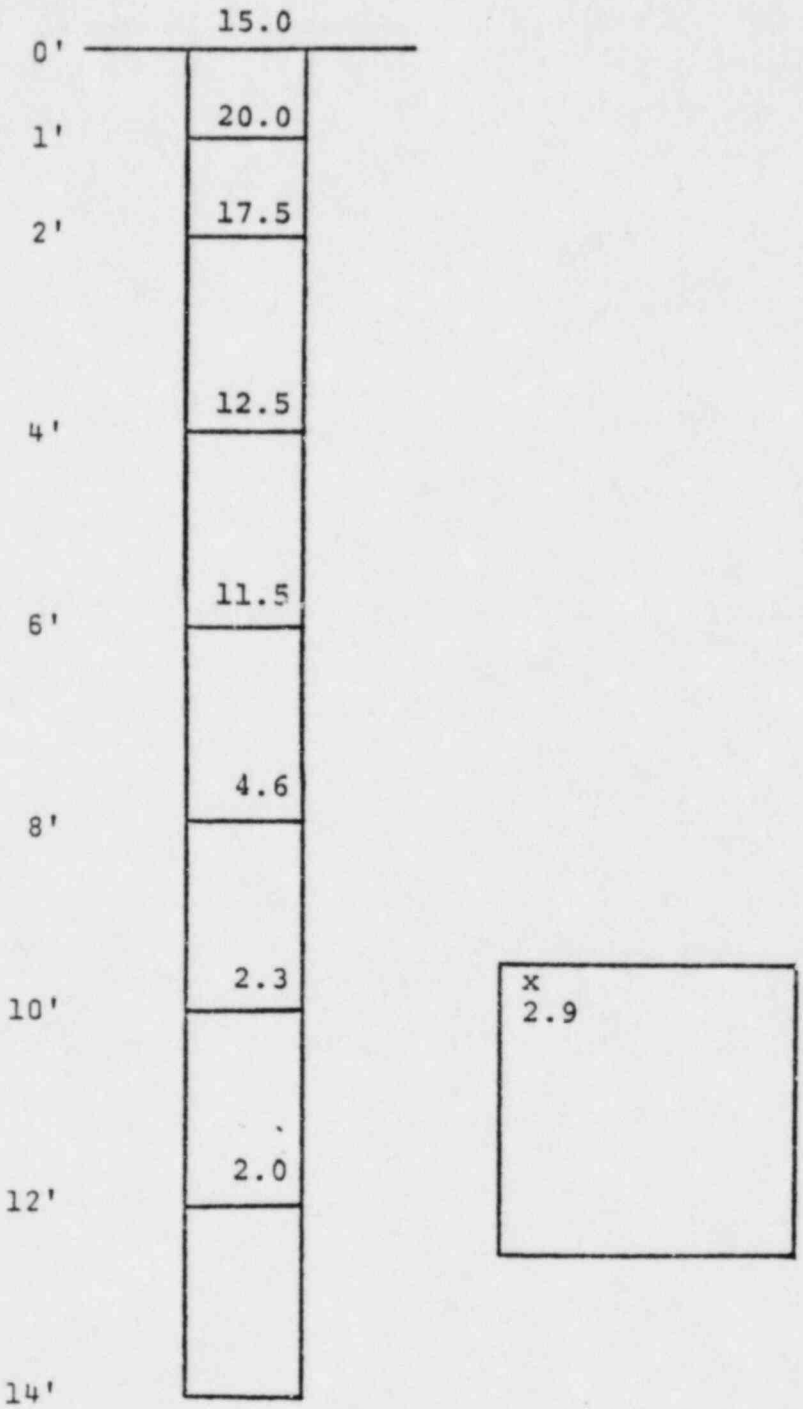


Grid No. 1197

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

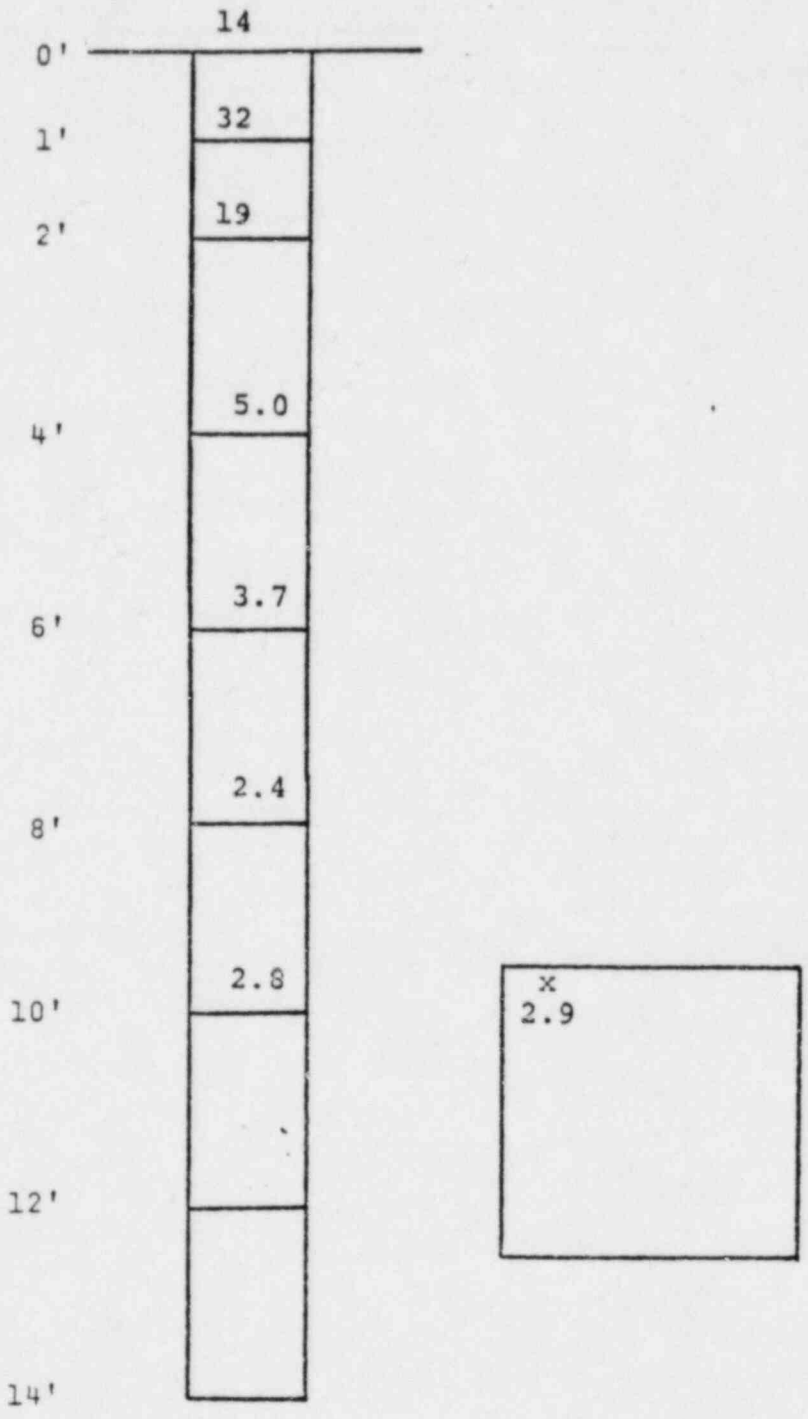


Grid No. 1199

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

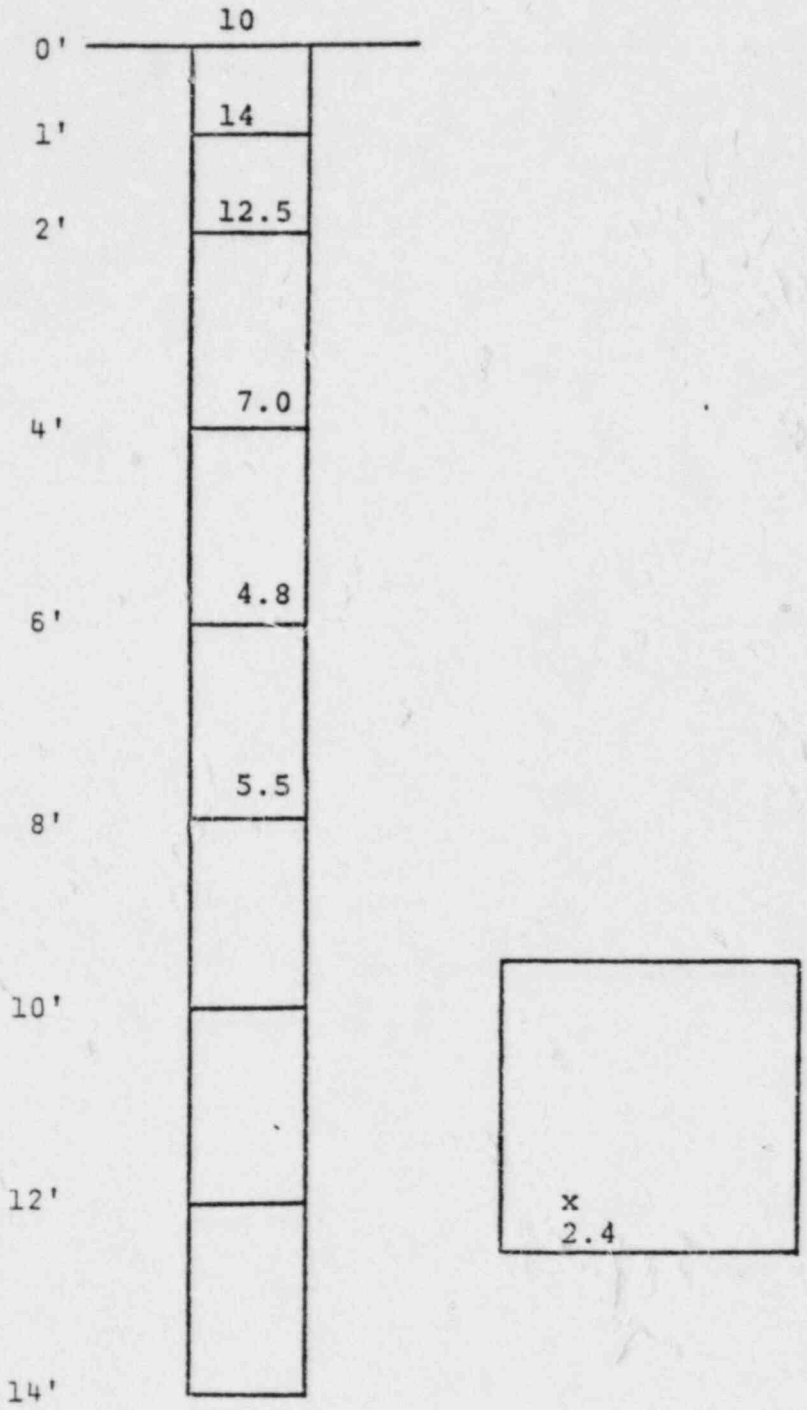


Grid No.1230

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

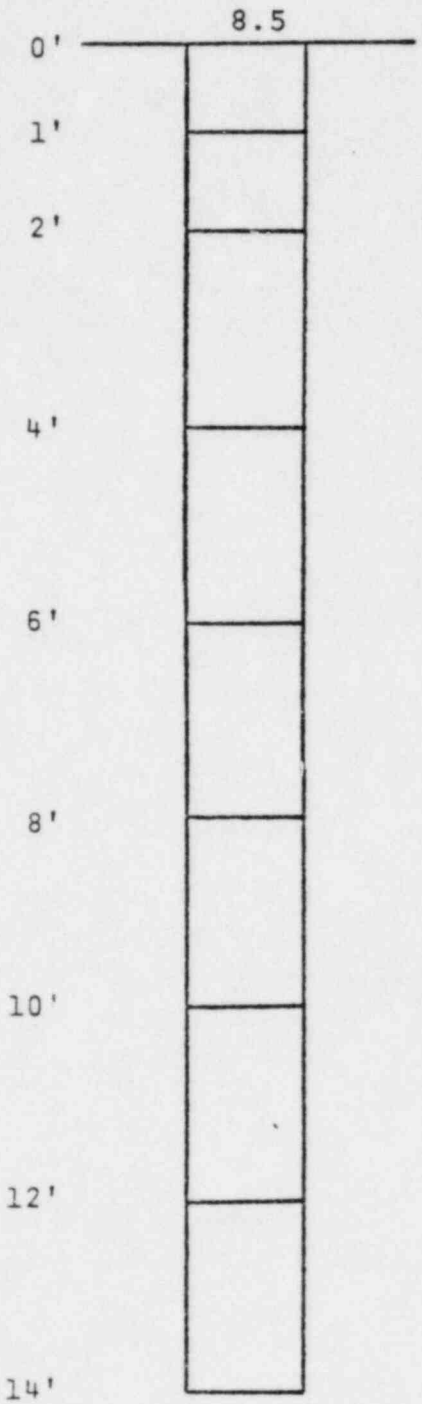


Grid No. 1259

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES



This hole produced a pyrophoric reaction. Explosimeter tests indicated a presence of explosive gases disipating at a very slow rate. The hole was backfilled with dirt at a 5% explosimeter reading. No ludium readings were taken.

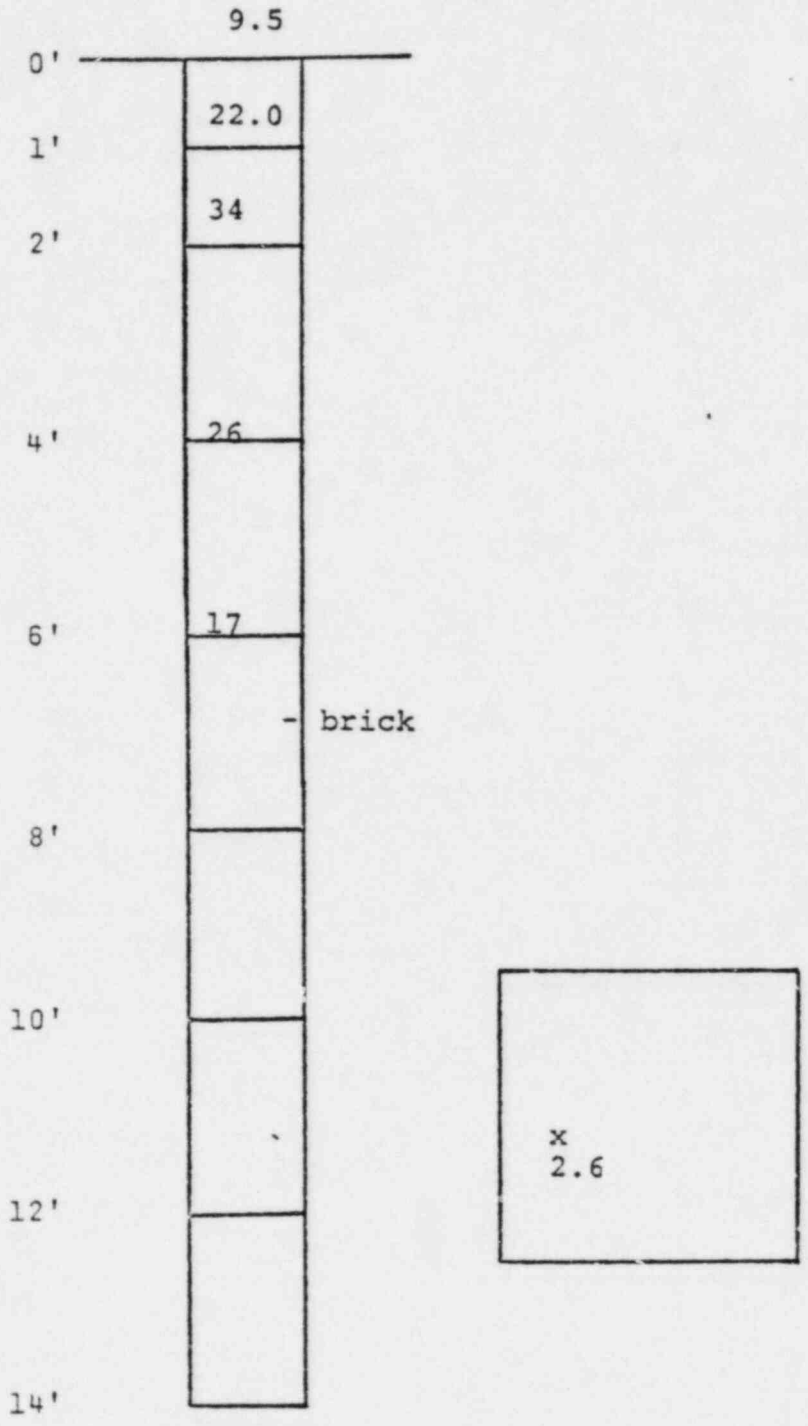
x
no sample
analyzed

Grid No.1289

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

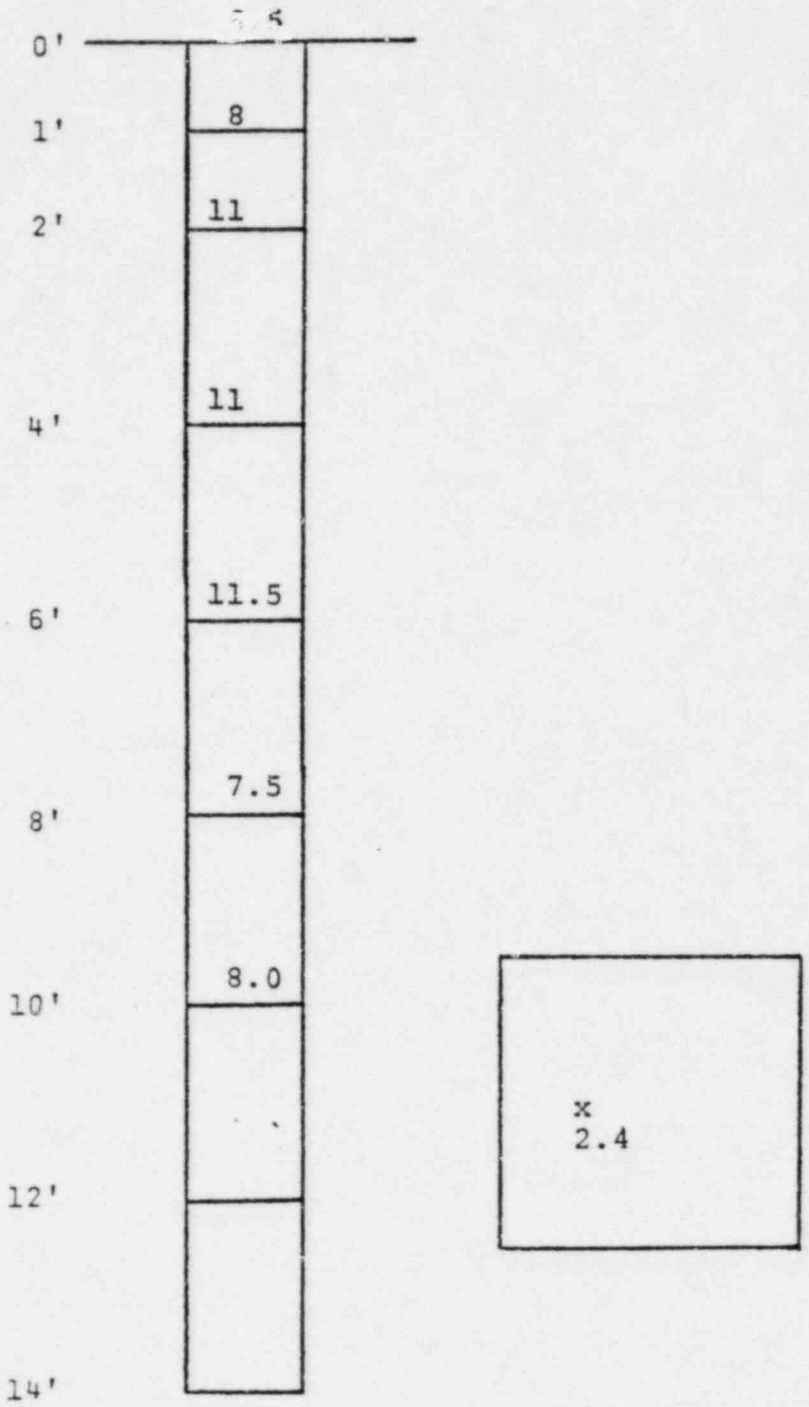


Grid No. 1319

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

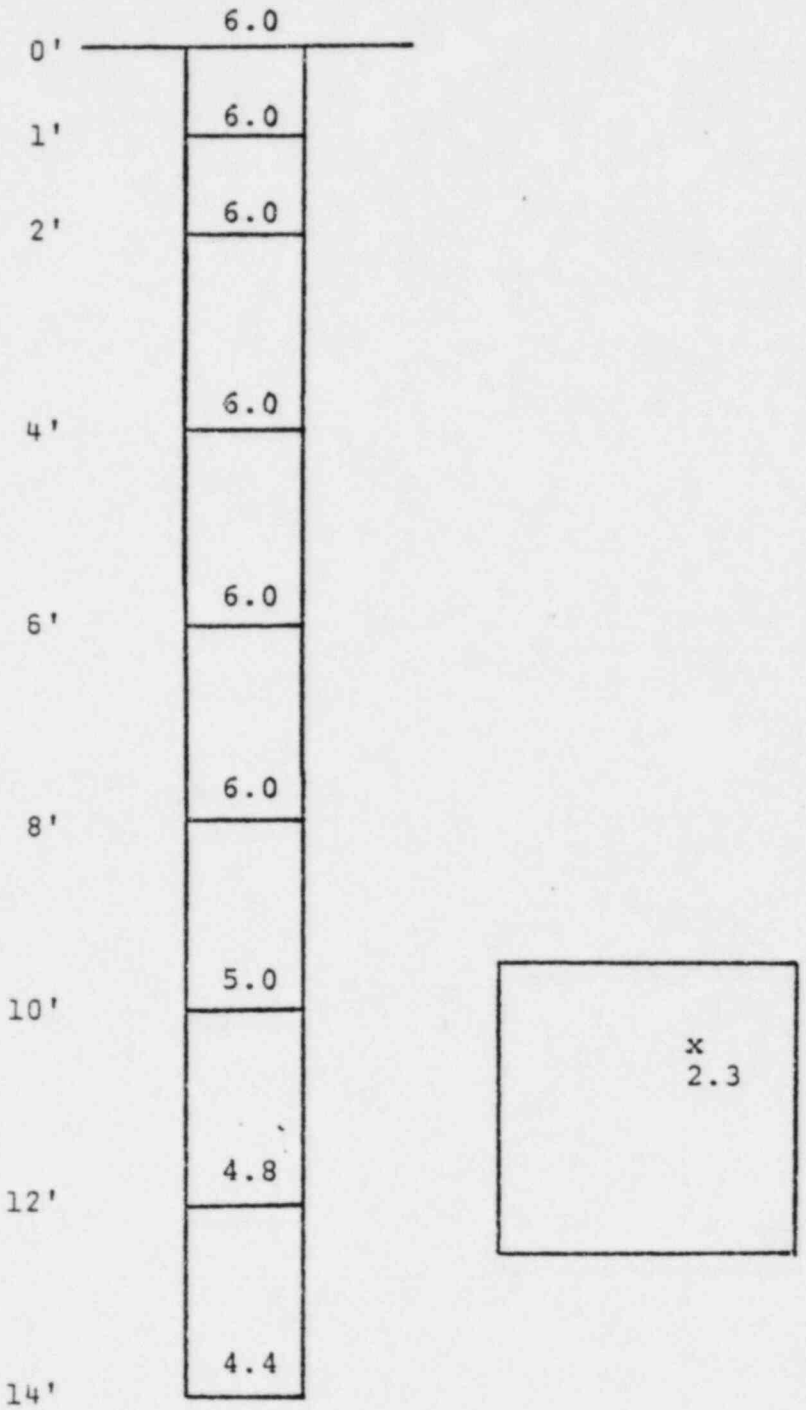


Grid No. 1321

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

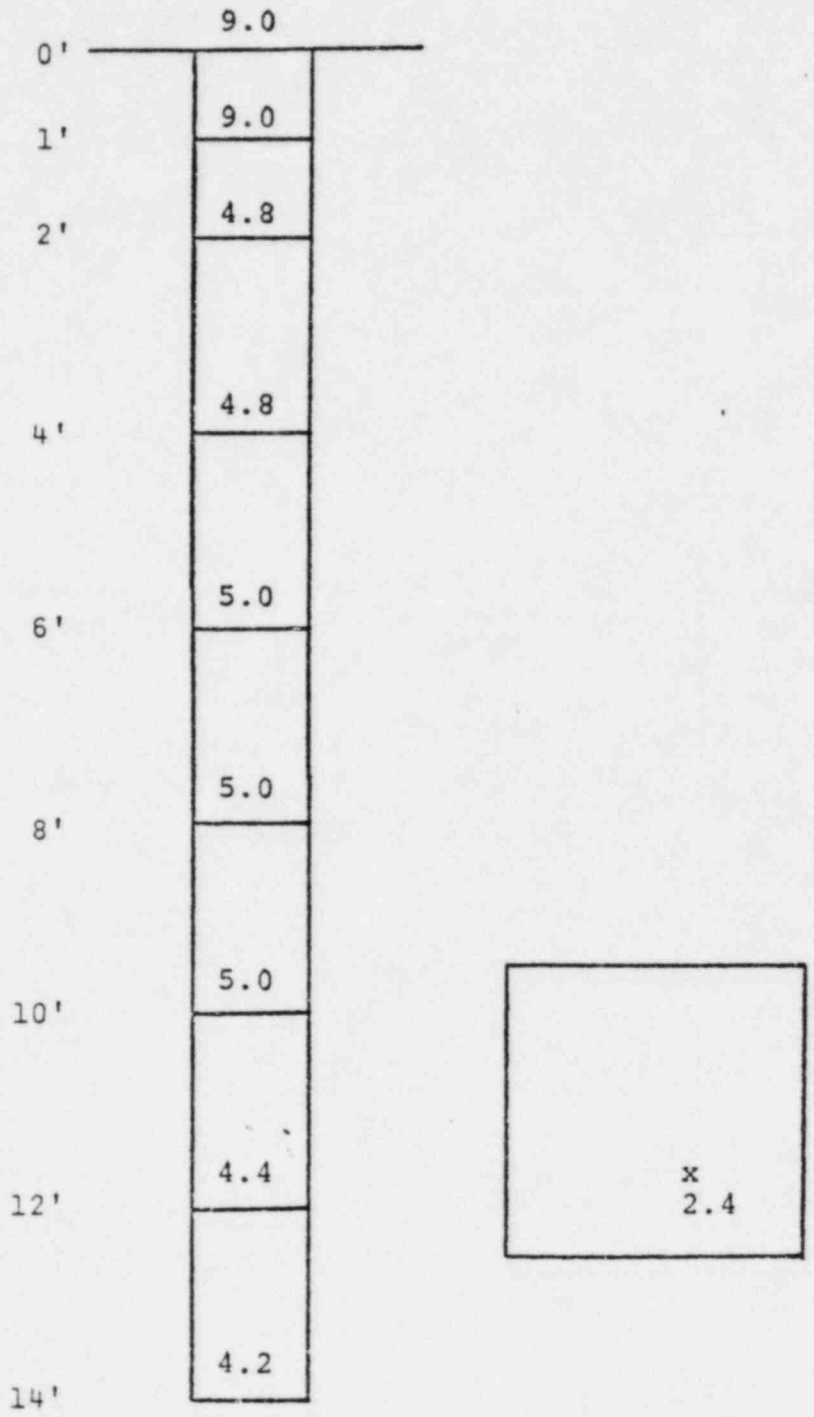


Grid No. 1341

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

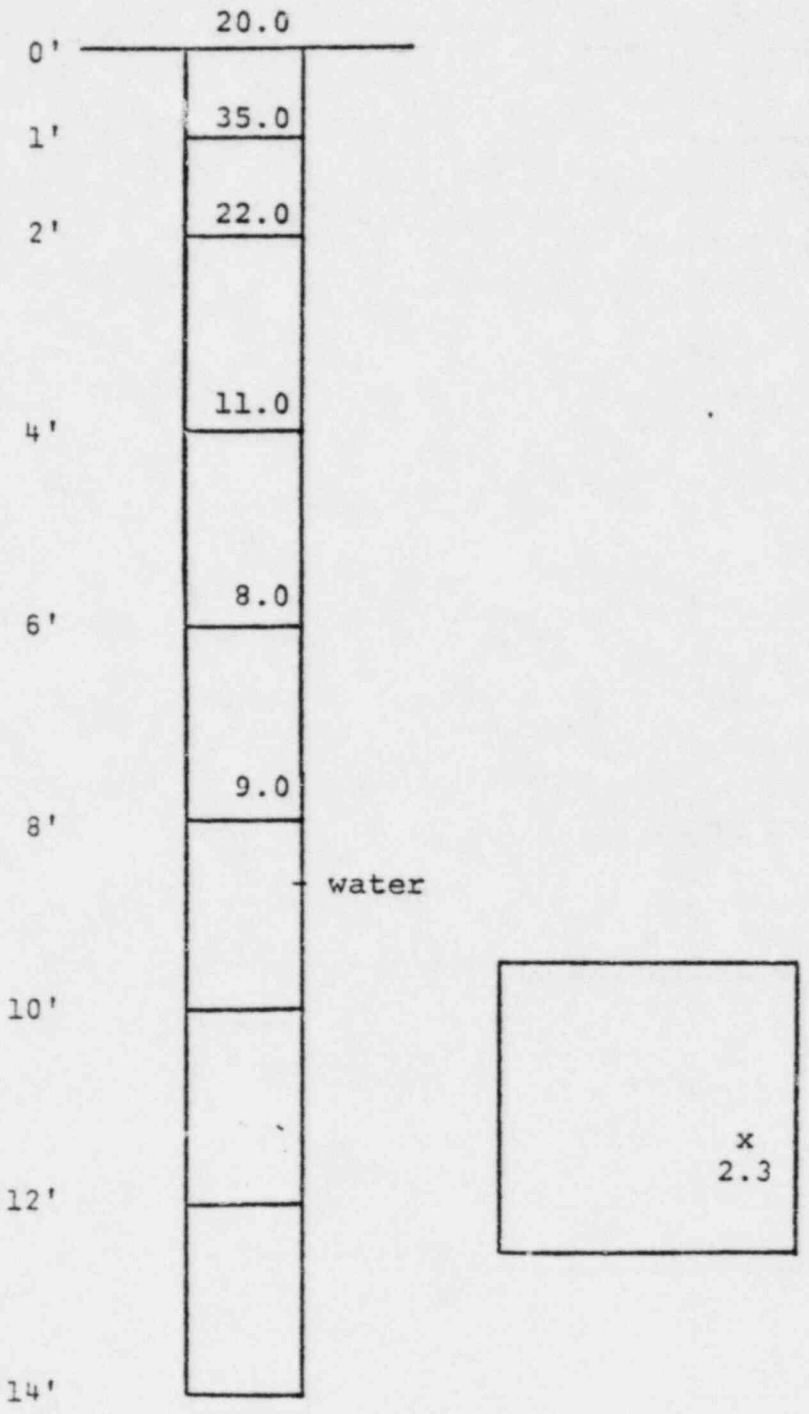


Grid No. 1342

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

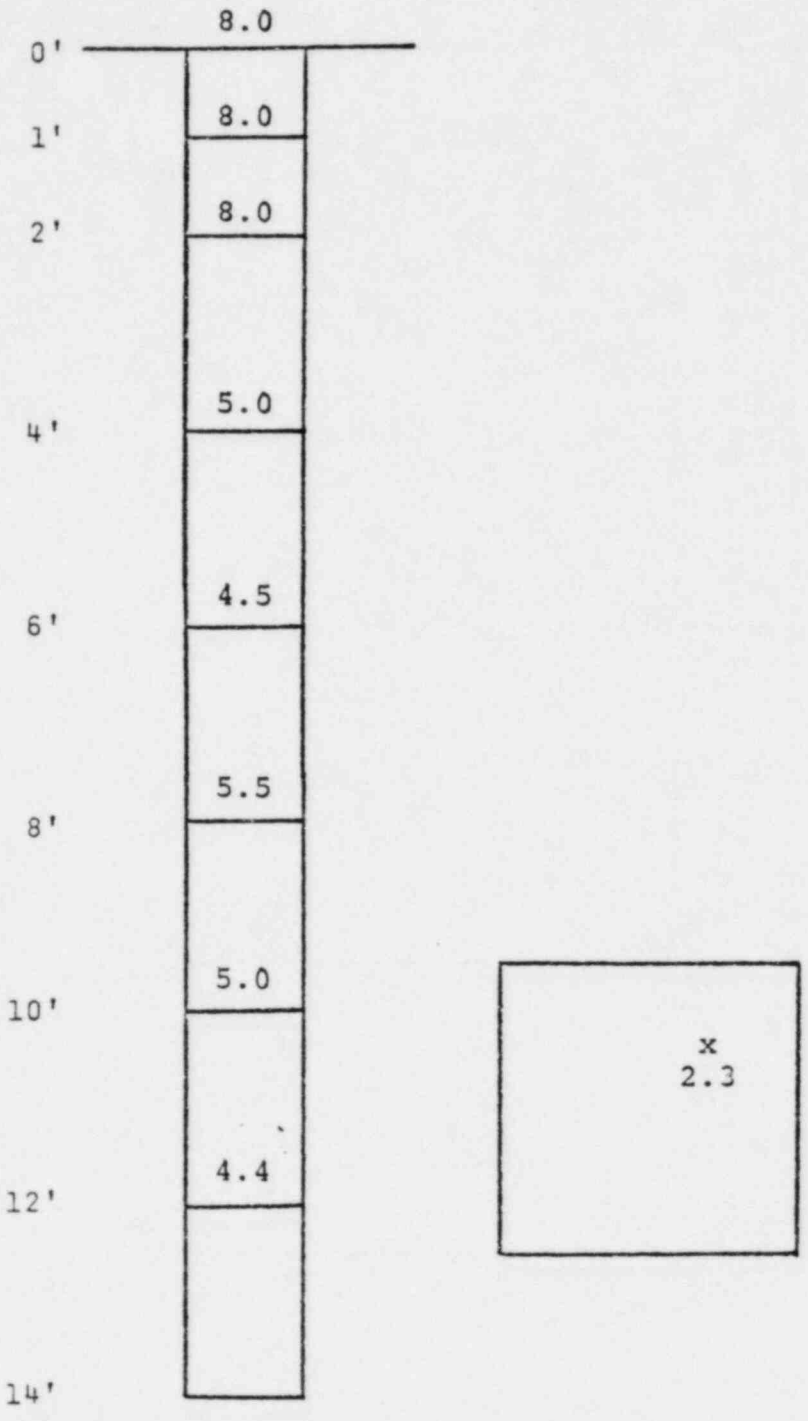


Grid No. 1343

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

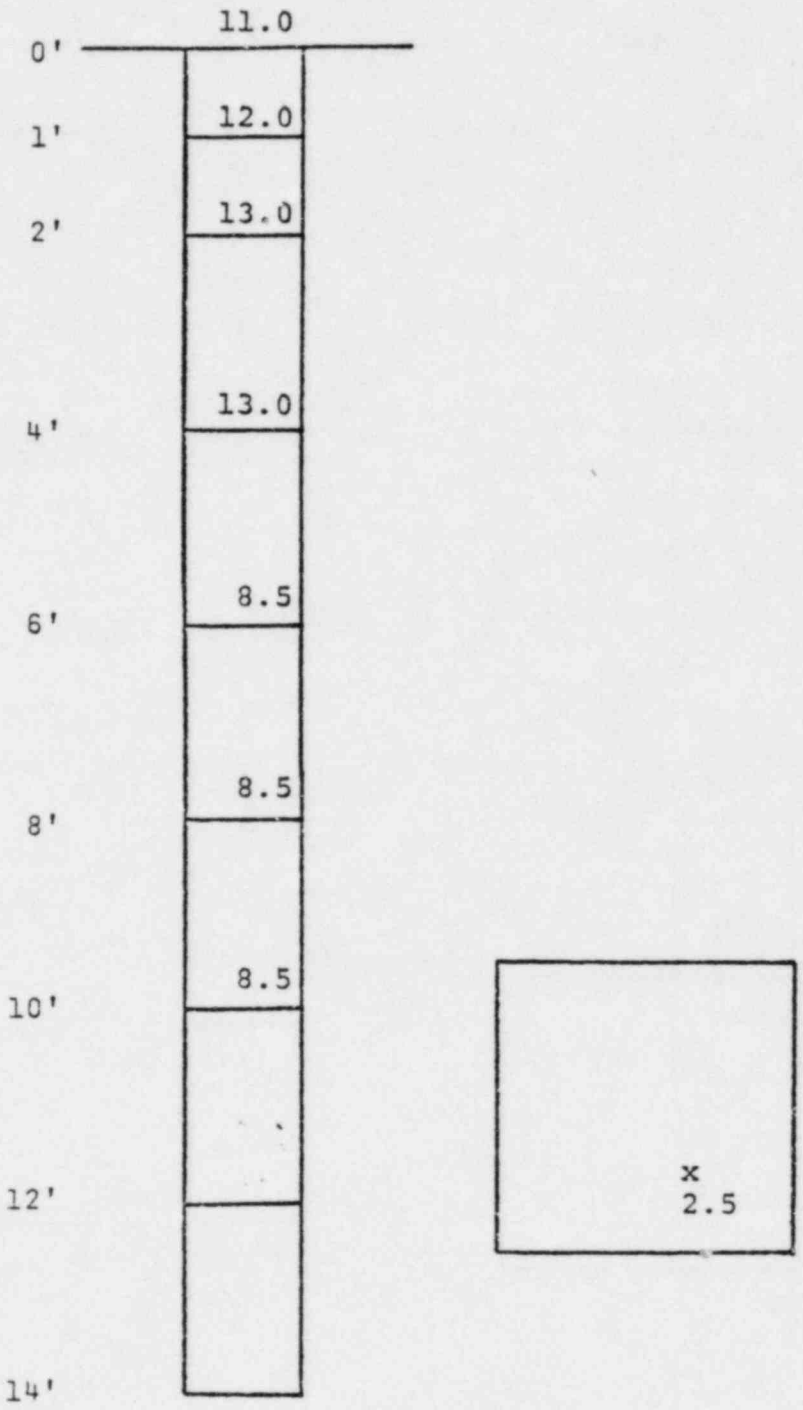


Grid No. 1344

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

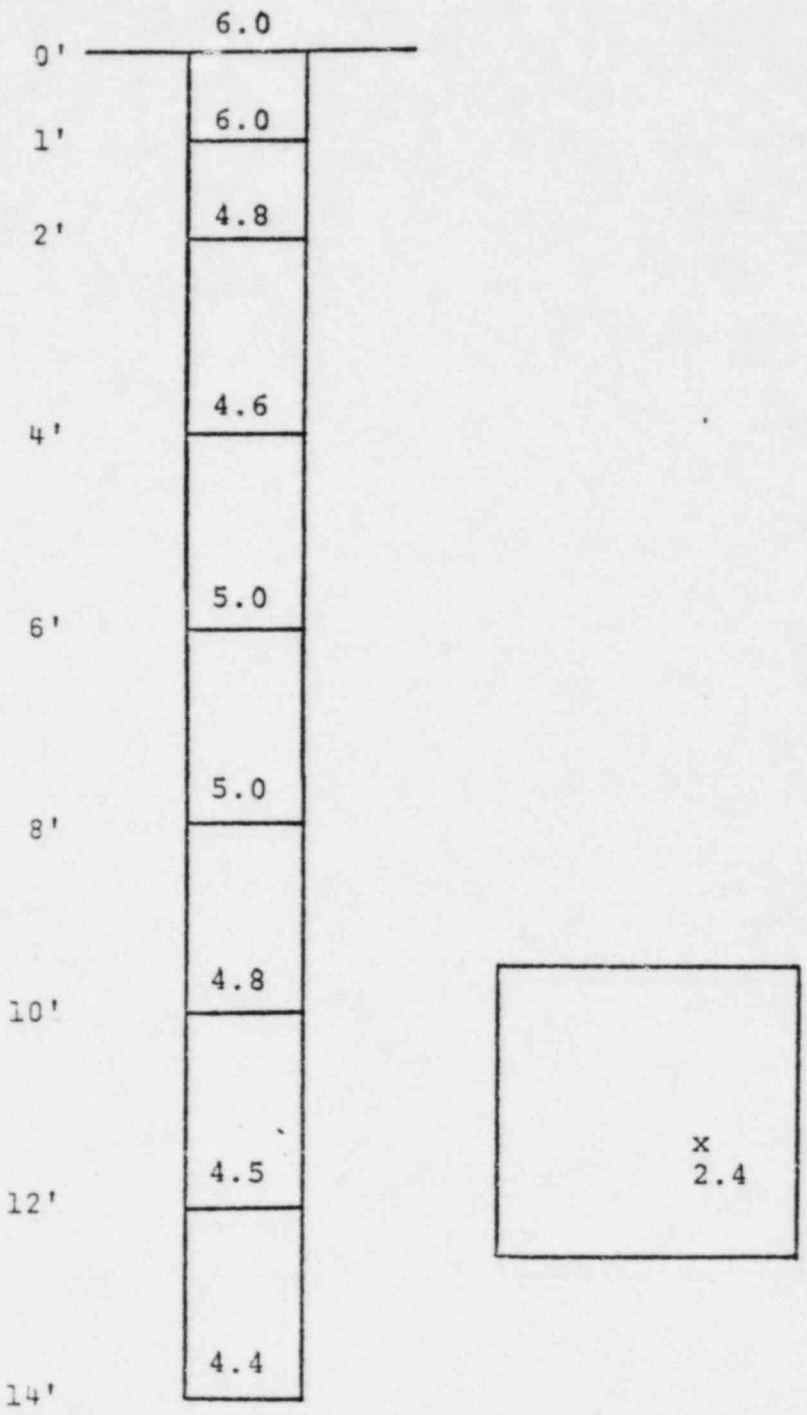


Grid No. 1345

ATCOF.

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

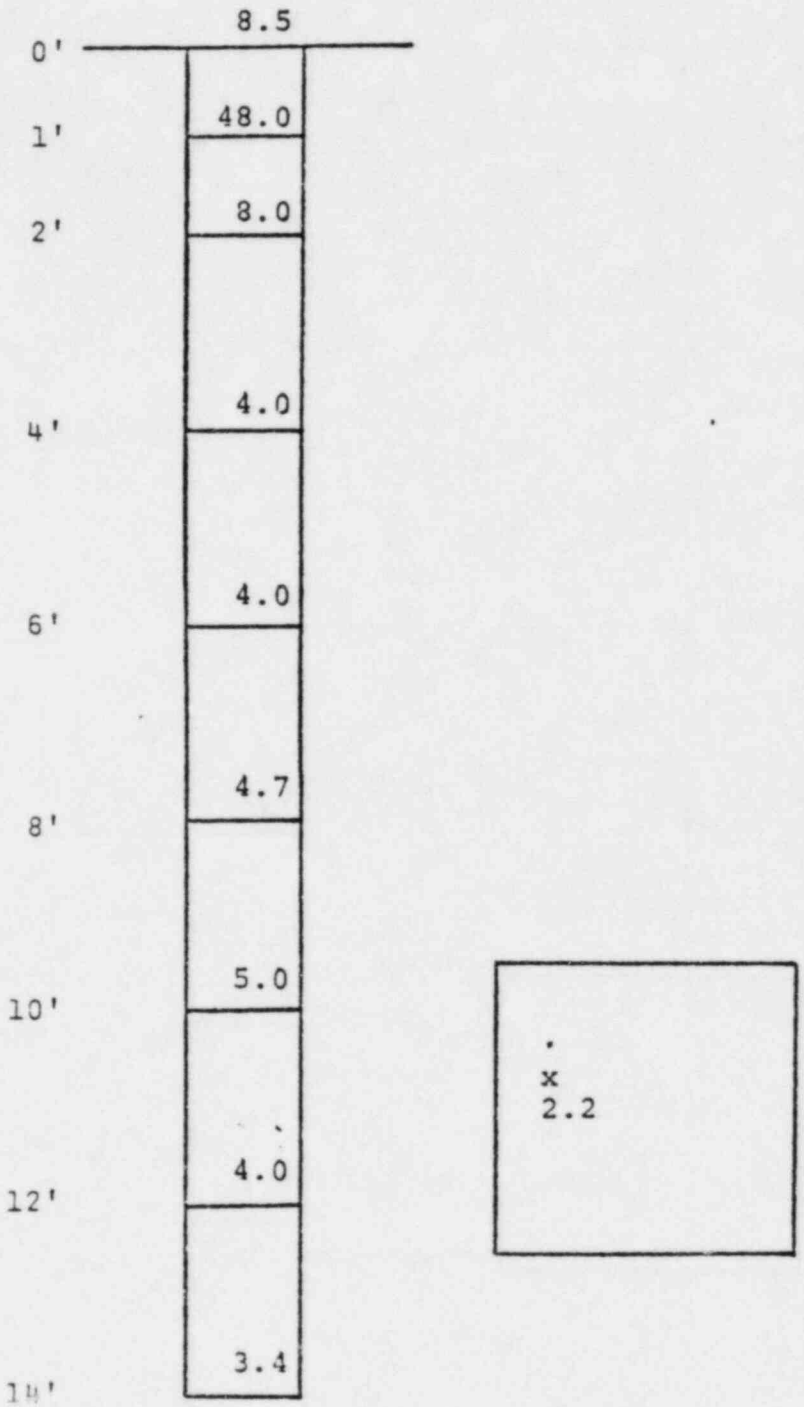


Grid No. 1369

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

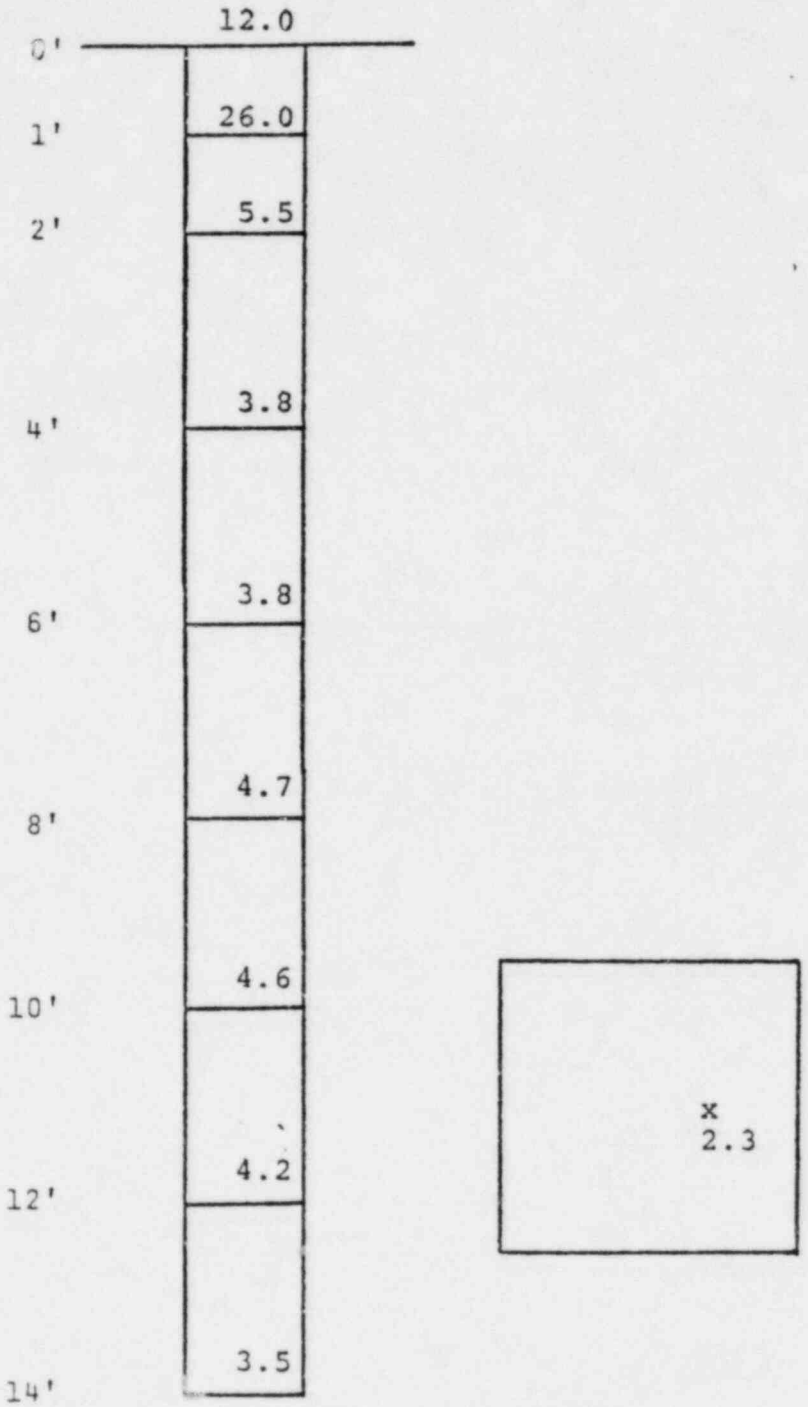


Grid No. 1370

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES

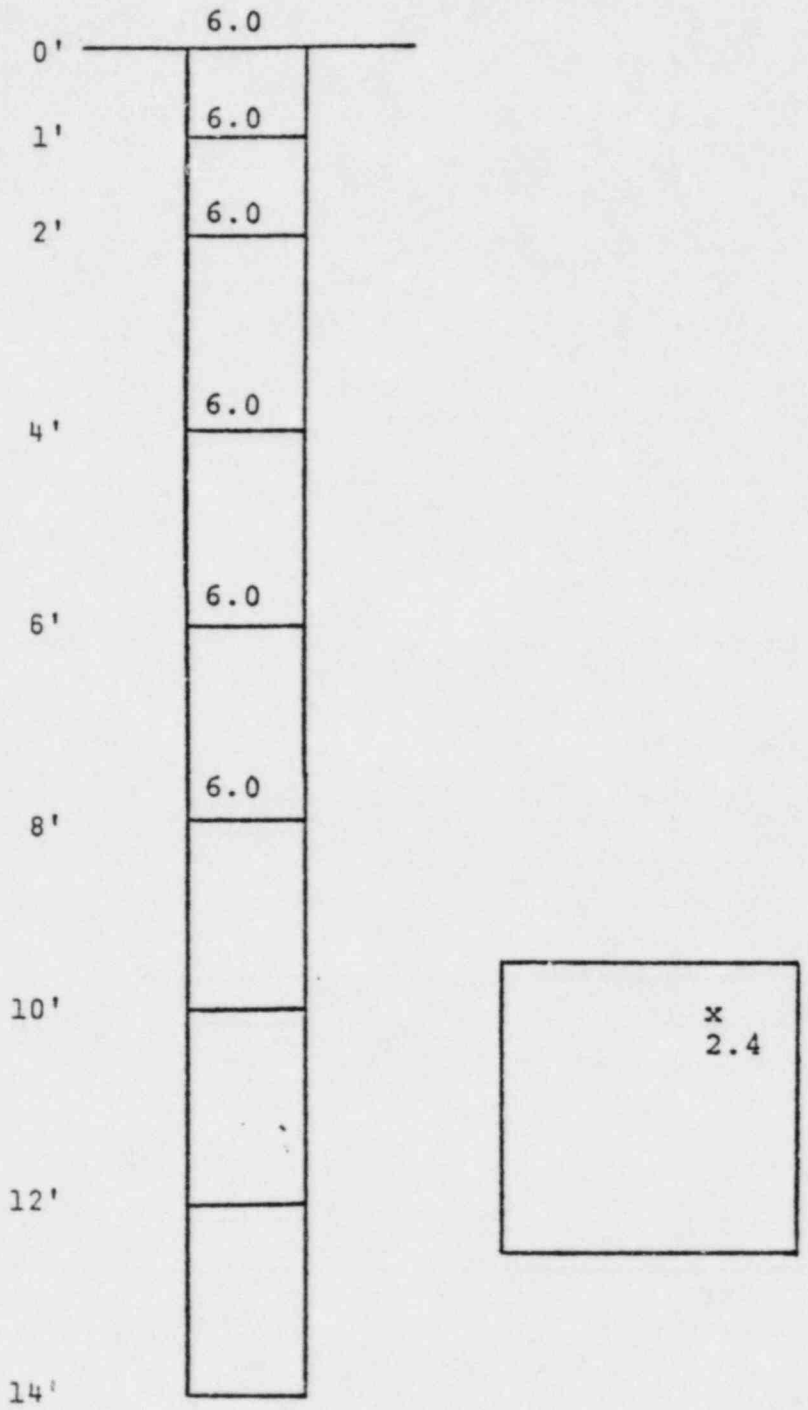


Grid No. 1371

ATCOR

TABLE 4.d(5)

RADIOLOGICAL DATA ON WATER JETTED HOLES



Grid No. 1373

ATCOF

Table 4.d(6)
Soil Sample Field Analysis with Results
in K Counts Per Minute with 1" X 1" NaI Detector

	Ludlum readings in grids that indicate ≥ to 5 X BKG (2.2K cpm)		Ludlum readings of soil samples associated with grids	
Grid #	At Surface	At 2' Depth	At Surface	At 2' Depth
E-1	30	5.0	15	2.8
E-2	10	3.4	6.0	2.0
E-3	60	5.5	15	4.0
E-4	50	10	15	6.0
E-5	60	12	15	4.0
E-6	50	15	15	5.0
E-7	45	12	10	5.0
E-8	38	10	10	5.0
E-9	24	10	8.0	5.0
E-10	35	8	10	15
E-11	90	25	25	15
E-12	100	25	30	15
E-13	110	45	30	5.0
E-14	60	15	15	5.0
E-15	80	15	15	4.5
E-16	25	12	8.0	5.0
* E-(N-16)	60	18		
-	-	-	-	-
⊙ In back of drainage S-1276	@0'-12 @ 1'-21	@ 2'-6.0 @ 3'-4.2	@ 1' - 3.5	no sample
⊙ In bed of drainage S-1307	@0'-8.0 @1'-16	@2'-4.2	@1'-4.4	water

* See Railroad Grids
⊙ See 25' extension

Table 4d(7)

Soil Sample Field Analysis for Grids 398 Through 1422 Which Exceeded 5 x Natural Background Where Water Jetting Was Not Performed

Grid #	K Counts/min.	Grid #	K Counts/min.
553	3.4	782	3.6
580	3.6	783	3.4
581	3.2	784	7.5
610	3.2	785	2.7
611	3.9	786	2.8
635	15.0	787	2.8
664	8.0	809	3.6
665	3.8	811	3.2
666	2.6	812	4.8
693	3.2	813	10.0
722	3.2	814	2.9
725	15.0	815	2.8
726	2.8	841	2.6
727	4.8	844	2.8
728	4.2	867	2.6
729	3.2	869	2.6
751	4.6	870	2.9
752	3.4	896	3.3
753	3.4	897	2.8
754	3.7	898	3.7
755	3.3	903	3.8
756	3.3	904	2.5
757	3.0	906	2.5
758	3.1	934	4.0
780	3.8	956	3.1

Table 4d(7)

Soil Sample Field Analysis for Grids 398
Through 1422 Which Exceeded 5 x Natural
Background Where Water Jetting Was Not Performed

Grid #	K Counts/min.	Grid #	K Counts/min.
958	3.2	1080	18.0
961	3.3	1081	4.0
963	5.0	1088	3.6
964	3.0	1108	2.5
986	2.9	1109	3.2
988	2.6	1110	3.6
989	3.4	1111	75.0
990	3.0	1112	2.6
992	3.4	1114	2.4
993	2.8	1115	2.5
995	2.8	1116	2.8
1019	3.0	1137	2.5
1020	2.7	1138	12.0
1021	3.2	1139	2.8
1022	2.7	1140	9.0
1023	5.0	1141	16.0
1048	2.4	1142	2.6
1049	2.8	1143	2.4
1050	2.9	1144	2.6
1051	2.7	1145	2.4
1053	2.5	1146	2.3
1054	2.8	1167	2.5
1056	16.0	1168	2.6
1058	2.6	1169	2.6
1079	2.6	1170	2.6

Table 4d(7)

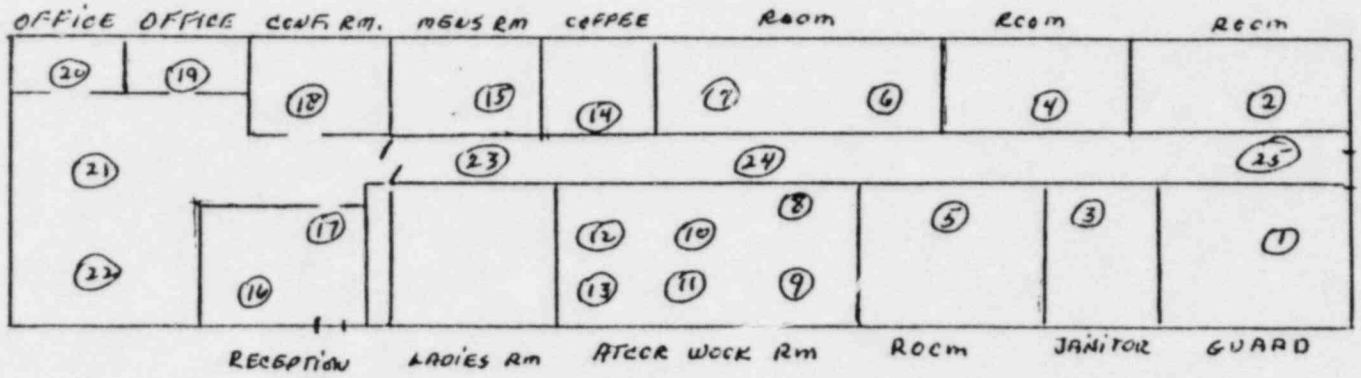
Soil Sample Field Analysis for Grids 398 Through 1422 Which Exceeded 5 x Natural Background Where Water Jetting Was Not Performed

Grid #	K Counts/min.	Grid #	K Counts/min.
1171	4.5		
1172	2.8		
1173	4.5		
1174	6.0		
1175	2.8		
1176	2.6		
2000	3.0		
2001	3.0		
2002	2.7		
2003	8.5		
2004	3.4		
2005	7.0		
2006	4.6		
2008	4.6		
2010	2.9		
1235	3.6		
1266	3.0		
1275	3.2		
1306	4.1		

Field Data 4.e(2)

Loose Surface Contamination of
L. B. Foster Buildings

Page 244 a & b	Administration Building
Page 244 c & d	Carpenter Shop
Page 244 e & f	Bldg #3 (see Appendix A)
Page 244 g & h	Bldg #4 (see Appendix A)



1. All smears taken are non-detectable for alpha

George Stellian

8-25-78
Smear Survey of Bldg #1,
Administrative Office
RD 13 Limit = 1,400 DPM
PS 2 Limit = 100

rvey of: Foster Pipe Co. Admin & office Bldg.

te of Survey: 25 Aug 1978 Surveyed By: G Williams

pe of Survey: Information Smears

nstr:

Surface Contamination

Loose Surface ☐ Beta-Gamma ☐

Fixed ☐ alpha ☒

Instr: Eberline RD13 #164 - Eberline PS2 #168

Count Time 1 Min. BKG 2 CPM

Efficiency CF moc 2.4 cpm

cation	cpm	ccpm	Pci/100 cm²
Smear #1	6	4	MDA
Smear #2	3	1	MDA
Smear #3	5	3	MDA
Smear #4	4	2	MDA
Smear #5	4	2	MDA
Smear #6	3	1	MDA
Smear #7	4	2	MDA
Smear #8	4	2	MDA
Smear #9	5	3	MDA
Smear #10	4	2	MDA
Smear #11	5	3	MDA
Smear #12	4	2	MDA
Smear #13	4	2	MDA
Smear #14	4	2	MDA
Smear #15	3	1	MDA
Smear #16	4	2	MDA
Smear #17	5	3	MDA
Smear #18	3	1	MDA
Smear #19	4	2	MDA
Smear #20	4	2	MDA
Smear #21	3	1	MDA
Smear #22	4	2	MDA
Smear #23	4	2	MDA
Smear #24	5	3	MDA
Smear #25	4	2	MDA

Location	
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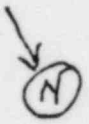
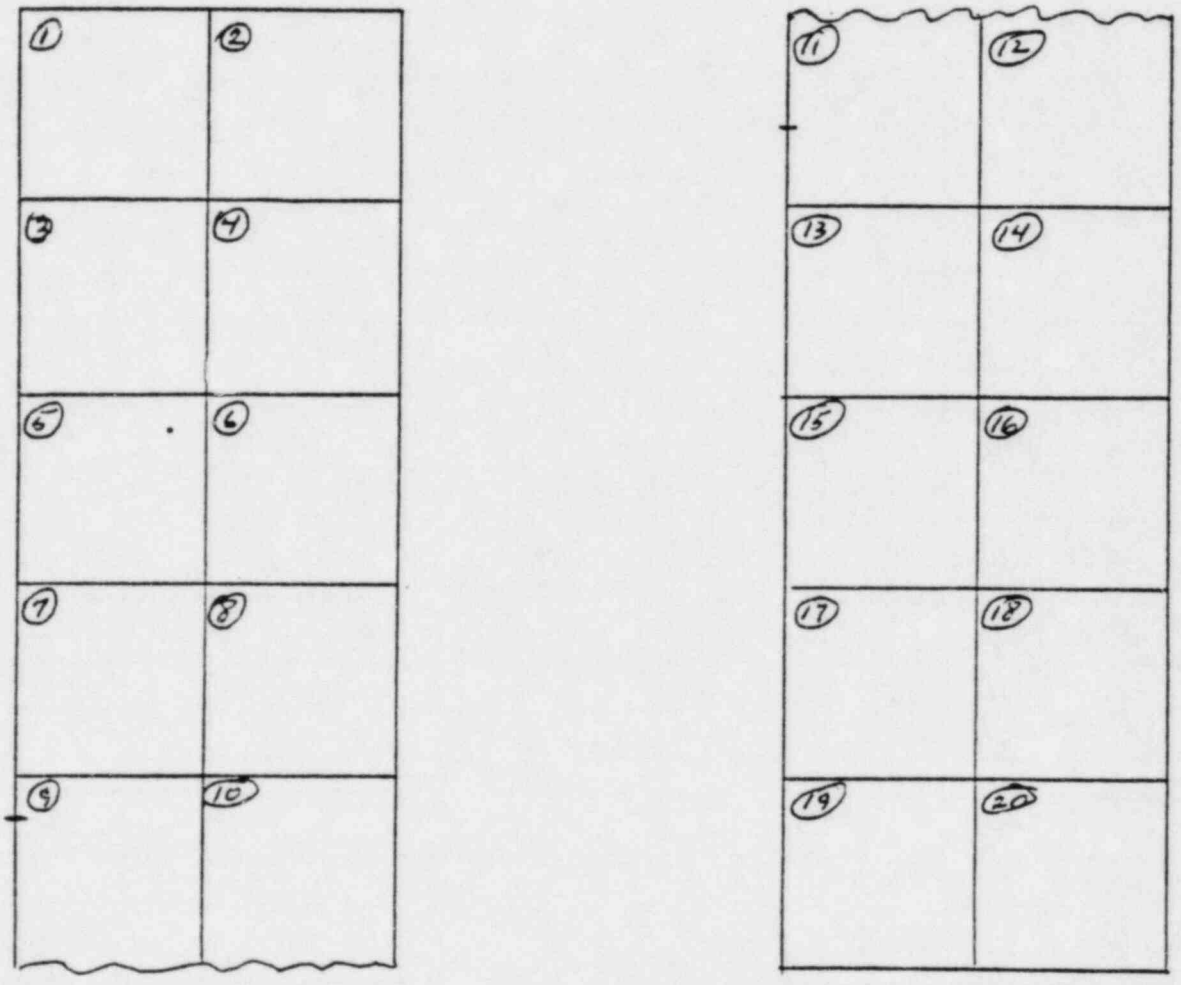
8-7-78

Smear Survey of Bldg #2
Carpenter Shop

RO 13 Serial No. 175
PS 2 Serial No. 168





1. All smears taken are non-detectabe for alpha
2. One smear per grid.

George A. Williams

rvey of: Foster Pipe Co. Bldg #2 (carpenter shop)

e of Survey: 7 Aug 1978 Surveyed By: G Williams

ype of Survey: Information Smears

nstr:

Surface Contamination

Loose Surface [X] Beta-Gamma [ ]

Fixed [ ] alpha [X]

Instr: Eberline RD13 #164 - Eberline PS2 #168

Count Time 1 Min. BKG 2 CPM

Efficiency CF MDC 2.4 cpm

cation	CPM	ccpm	pci/100 cm²
Smear #1	4	2	MDA
Smear #2	4	2	MDA
Smear #3	2	0	MDA
Smear #4	3	1	MDA
Smear #5	5	3	MDA
Smear #6	3	1	MDA
Smear #7	4	2	MDA
Smear #8	3	1	MDA
Smear #9	3	1	MDA
Smear #10	4	2	MDA
Smear #11	4	2	MDA
Smear #12	5	3	MDA
Smear #13	6	4	MDA
Smear #14	4	2	MDA
Smear #15	4	2	MDA
Smear #16	3	1	MDA
Smear #17	5	3	MDA
Smear #18	5	3	MDA
Smear #19	4	2	MDA
Smear #20	5	3	MDA

Location
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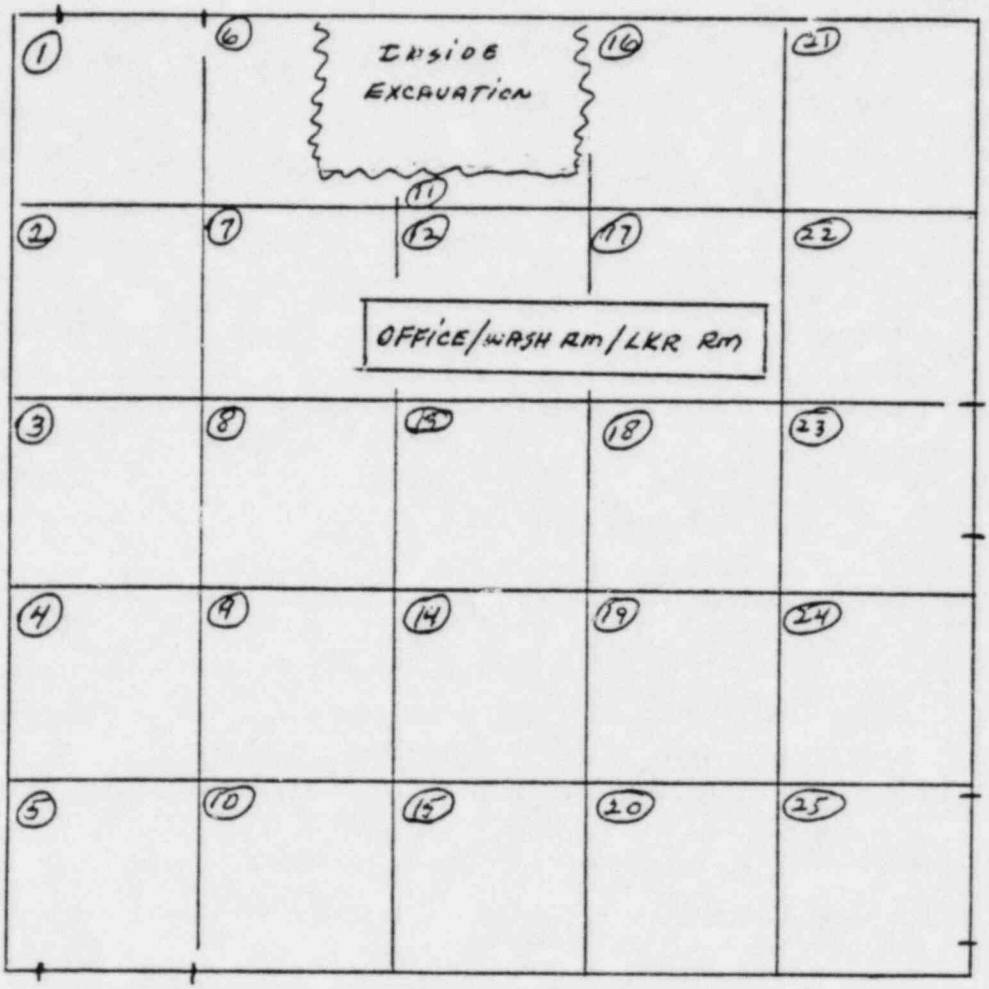
8-7-78

Smear Survey of Bldg #3

RO13 Serial #175

PS 2 Serial #168



1. Smears taken in accessible areas of each grid due to machinery and metal reels.
2. One smear per grid.
3. all smears taken are non-detectable for alpha.

George [illegible]

rvey of: Foster Pipe Co. Bldg #3

te of Survey: 7 Aug 1978 Surveyed By: G Williams

pe of Survey: Information Smears

nstr:

Surface Contamination

Loose Surface [x] Beta-Gamma [ ]

Fixed [ ] alpha [x]

Instr: Eberline RD13 #164 - Eberline PS2 #168

Count Time 1 Min. BKG 2 CPM

Efficiency CF MDC 2.4 cpm

cation	cpm	ccpm	pci/100cm²
Smear #1	3	1	MDA
Smear #2	3	1	MDA
Smear #3	5	3	MDA
Smear #4	6	4	MDA
Smear #5	5	3	MDA
Smear #6	4	2	MDA
Smear #7	5	3	MDA
Smear #8	5	3	MDA
Smear #9	4	2	MDA
Smear #10	4	2	MDA
Smear #11	4	2	MDA
Smear #12	3	1	MDA
Smear #13	5	3	MDA
Smear #14	3	1	MDA
Smear #15	3	1	MDA
Smear #16	3	1	MDA
Smear #17	5	3	MDA
Smear #18	5	3	MDA
Smear #19	6	4	MDA
Smear #20	5	3	MDA
Smear #21	3	1	MDA
Smear #22	4	2	MDA
Smear #23	4	2	MDA
Smear #24	4	2	MDA
Smear #25	3	1	MDA

Location
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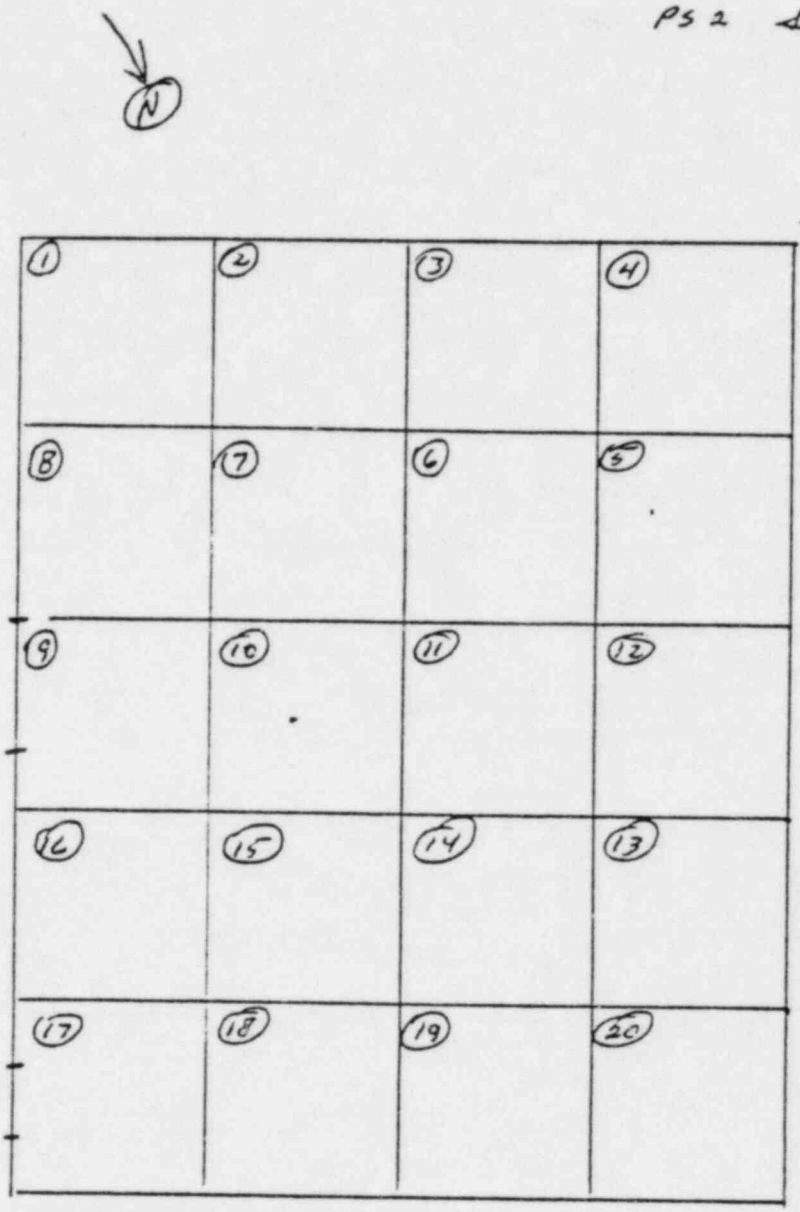
8-7-78

Smear Survey of Bldg #4

RD 13 Serial # 175

PS 2 Serial # 168



1. Smears taken in accessible areas of each grid due to machinery & pipes.

2. All smears taken are none-detectable for alpha

Survey of: Foster Pipe Co. Bldg #4

Date of Survey: 7 Aug 1978 Surveyed By: G Williams

Type of Survey: Information Smears

Instr: _____

Surface Contamination

Loose Surface ☐ Beta-Gamma ☐

Fixed ☐ alpha ☒

Instr: Eberline RD13 #164 - Eberline PS2 #168

Count Time 1 Min. BKG 2 CPM

Efficiency CF MDC 2.4 cpm

Location	cpm	c.c.pm	pci/100cm²
Smear #1	5	3	MDA
Smear #2	4	2	MDA
Smear #3	4	2	MDA
Smear #4	4	2	MDA
Smear #5	3	1	MDA
Smear #6	5	3	MDA
Smear #7	5	3	MDA
Smear #8	4	2	MDA
Smear #9	5	3	MDA
Smear #10	4	2	MDA
Smear #11	3	1	MDA
Smear #12	4	2	MDA
Smear #13	4	2	MDA
Smear #14	6	4	MDA
Smear #15	5	3	MDA
Smear #16	4	2	MDA
Smear #17	4	2	MDA
Smear #18	4	2	MDA
Smear #19	3	1	MDA
Smear #20	4	2	MDA

Location	
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Field Data 4.e(3)

Airborne particulate activity

Page 245 a & b	Building #3 (See Appendix A)
Page 245 c & d	Building #4 (See Appendix A)

ATCOR AIR SAMPLING DATA SHEET

SAMPLE LOCATION FOSTER BLDG # 3 DATE 7 AUG 1976

FLOW RATE: 20 (L/MIN)

TIME SAMPLER ON: 1100 TIME SAMPLER OFF: 1200 TOTAL TIME: 60 (MIN)

COUNTING INSTRUMENT PS2/RD13 SERIAL 168/175 EFF(CF) 2.61 dpm/cpm

SAMPLE INFORMATION

TOTAL COUNTS	COUNT TIME	CPM	BKG	CCPM	ACTIVITY IN UC/ML
.766	10 min	76.6	1 cpm	75.6	5.0×10^{-11} L

FORMULA

$$\frac{\text{CCPM X CF}}{(2.22 \times 10^{6}\text{DPM/UC})\ (\text{FLOW RATE IN LITERS})\ (\text{SAMPLE RUN TIME IN MIN})\ (10^{3}\text{ML/L})}$$

repared By G Willis

ample of Footer Bldg 3

ample Point Inside East Door

ample Volume = V = 20 l/min ft.3

ixed Monitor Activity - Air N/A

Reason for Sample Routine

Sample Start Time 1100

Sample Finish Time 1200

Gas N/A

Sample	Date	Time		Counting Voltage	Total Counts	Counting Time (minutes)	CPM	Bkgd.	Net CPM	Counting Eff. (E)	Activity (uCi/cc)
1	8/7/78	1205	α	N/A	766	10	76.6	1	75.6	2.06	5.85×10^{-11}
			β	N/A							
1	8/8/78	1205	α	N/A	45	10	4.5	2	2.5	2.06	1.94×10^{-12}
			β	N/A							
1	8/9/78	1205	α	N/A	23	10	2.3	2	0.3	2.06	2.3×10^{-13}
			β	N/A							
1	8/10/78	1205	α	N/A	20	10	2.0	2	0	2.06	BKG
			β	N/A							
			α								
			β								
			α								
			β								
			α								
			β								
			α								
			β								
			α								
			β								

Remarks:

ATCOR AIR SAMPLING DATA SHEET

SAMPLE LOCATION Foster Bldg # 4 DATE 8 Aug 1978

FLOW RATE: 20 (L/MIN)

TIME SAMPLER ON: 1010 TIME SAMPLER OFF: 1110 TOTAL TIME: 60 (MIN)

COUNTING INSTRUMENT PS 2/RD13 SERIAL 168/175 EFF(CF) 2.00 dpm/cpm

SAMPLE INFORMATION

TOTAL COUNTS	COUNT TIME	CPM	BKG	CCPM	ACTIVITY IN UC/ML
952	10 min	95.2	2	93.2	7.33×10^{-11}

FORMULA

$$\frac{\text{CCPM} \times \text{CF}}{(2.22 \times 10^{6}\ \text{DPM/UC})\ (\text{FLOW RATE IN LITERS})\ (\text{SAMPLE RUN TIME IN MIN})\ (10^{3}\ \text{ML/L})}$$

Prepared By HWilliams

Sample of Foster Bldg 4

Sample Point N/4

Sample Volume = V = 20 l/min 11.3

Fixed Monitor Activity - Air N/A

Reason for Sample Routine

Sample Start Time 1010

Sample Finish Time 1110

Gas N/A

Sample	Date	Time		Counting Voltage	Total Counts	Counting Time (minutes)	CPM	Bkgd.	Net CPM	Counting Eff. (E)	Activity (uCi/cc)
2	8/8/78	1115	α	N/A	952	10	95.2	2	93.2	2.06	7.33×10^{-11}
			β	N/A							
2	8/9/78	1115	α	N/A	34	10	3.4	2	1.4	2.06	1.08×10^{-12}
			β	N/A							
2	8/10/78	1115	α	N/A	30	10	3.0	2	1.0	2.06	7.74×10^{-13}
			β	N/A							
2	8/11/78	1115	α		17	10	1.7	2	0	2.06	BKG
			β								
			α								
			β								
			α								
			β								
			α								
			β								
			α								
			β								
			α								
			β								

Remarks:

See pages 43 and 44 of Volume 2

Figure 5.a.(2)

Side View of a manway in Site Storm Drain System

Note

① through ⑧ are survey points

A Red brick side walls

B Storm Drain Pipe

C Cement bottom

W Manway width

H Manway height

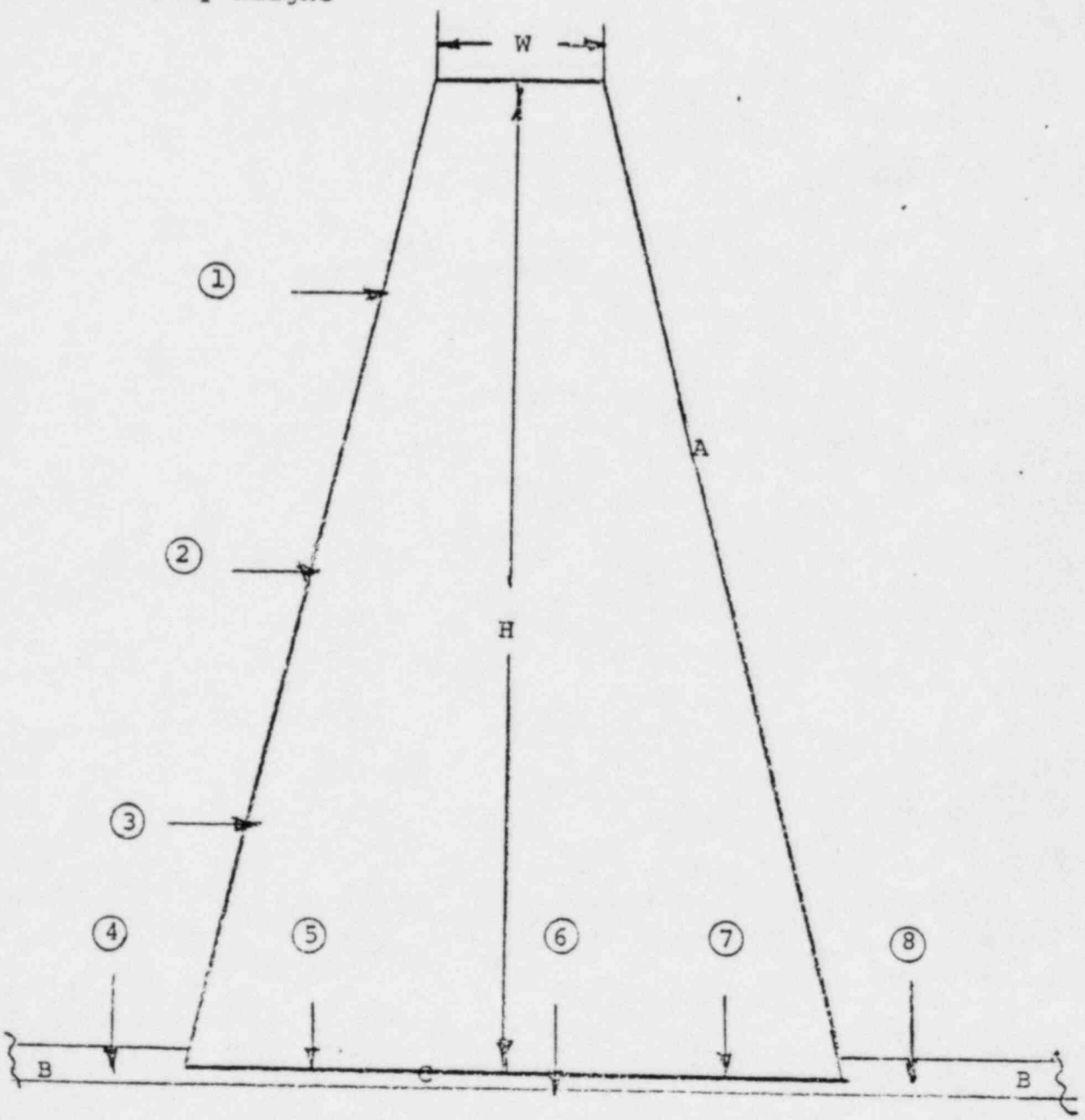

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Table 5a(3)

Storm Drains

Results of Radiological Surveys prior to decontamination

Manway #1 W = 27 inches H = 12 feet

Survey Point #	1" x 1" NaI in K cpm
1	3.6
2	3.5
3	3.8
4	6.0
5	6.0
6	6.5
7	-
8	6.0

Manway #2 W = 20 inches H = 8.5 feet

Survey Point #	1" x 1" NaI in K cpm
1	3.2
2	3.8
3	4.1
4	6.0
5	5.0
6	9.0
7	-
8	5.0

Manway #3 W = 20 inches H = 5 feet

Survey Point #	1" x 1" NaI in K cpm
1	3.2
2	4.0
3	4.6
4	7.0
5	7.5
6	9.5
7	-
8	7.5

Manway #4 W = 20.5 inches H = 12 feet

Survey Point #	1" x 1" NaI in K cpm
1	7.0
2	7.0
3	7.5
4	8.0
5	14.5
6	11.0
7	-
8	9.0

Table 5a(5)

Storm Drain Mineral Deposits From

Manway #4

Deposits analyzed as per 5a(4)(c)

Color of Deposit	Alpha dpm/planchet
White	190
Black	14
Whitish Gray	344

Table 5a(7)

Storm Drains

Results of Radiological Surveys after decontamination

Manway #1

Survey Point #	1" x 1" NaI in K cpm	Loose Surface Activity (α) in $\frac{dpm}{100cm^2}$
1	3.6	≤ 5
2	3.5	≤ 5
3	3.8	≤ 5
4	6.0	-
5	4.4	≤ 5
6	6.0	≤ 5
7	-	37
8	6.0	-

Manway #2

Survey Point #	1" x 1" NaI in K cpm	Loose Surface Activity (α) in $\frac{dpm}{100cm^2}$
1	3.2	≤ 5
2	3.8	≤ 5
3	4.1	≤ 5
4	6.0	-
5	4.3	≤ 5
6	7.0	6
7	-	≤ 5
8	5.0	-

Manway #3

Survey Point #	1" x 1" NaI in K cpm	Loose Surface Activity (α) in $\frac{dpm}{100cm^2}$
1	3.2	≤ 5
2	4.0	≤ 5
3	4.6	≤ 5
4	7.0	-
5	6.0	≤ 5
6	8.0	6
7	-	≤ 5
8	7.5	-

Manway #4

Survey Point #	1" x 1" NaI in K cpm	Loose Surface Activity (α) in $\frac{dpm}{100cm^2}$
1	7.0	≤ 5
2	7.0	8
3	7.5	6
4	8.0	-
5	10	6
6	9	53
7	-	20
8	9	-

Table 5.a.(9)

Eastern Ohio River Bank Survey

Survey Location*	1"x1" NaI in K cpm at 6"
100 feet North	1.4 (background for area)
80 feet North	1.8
70 feet North	2.2
60 feet North	2.6
50 feet North	2.6
40 feet North	4.0
30 feet North	12.0
20 feet North	5.0
10 feet North	4.6
At discharge catch basin	8.5 (contact with side)
10 feet South	5.0
20 feet South	5.0
30 feet South	9.0
40 feet South	9.5
50 feet South	10.0
60 feet South	5.0
70 feet South	2.2
80 feet South	2.8
90 feet South	3.2
100 feet South	2.8
110-150 feet South	2.0
300 feet South	4.6
320 feet South	2.2
340 feet South	2.2

*In relation to point of discharge

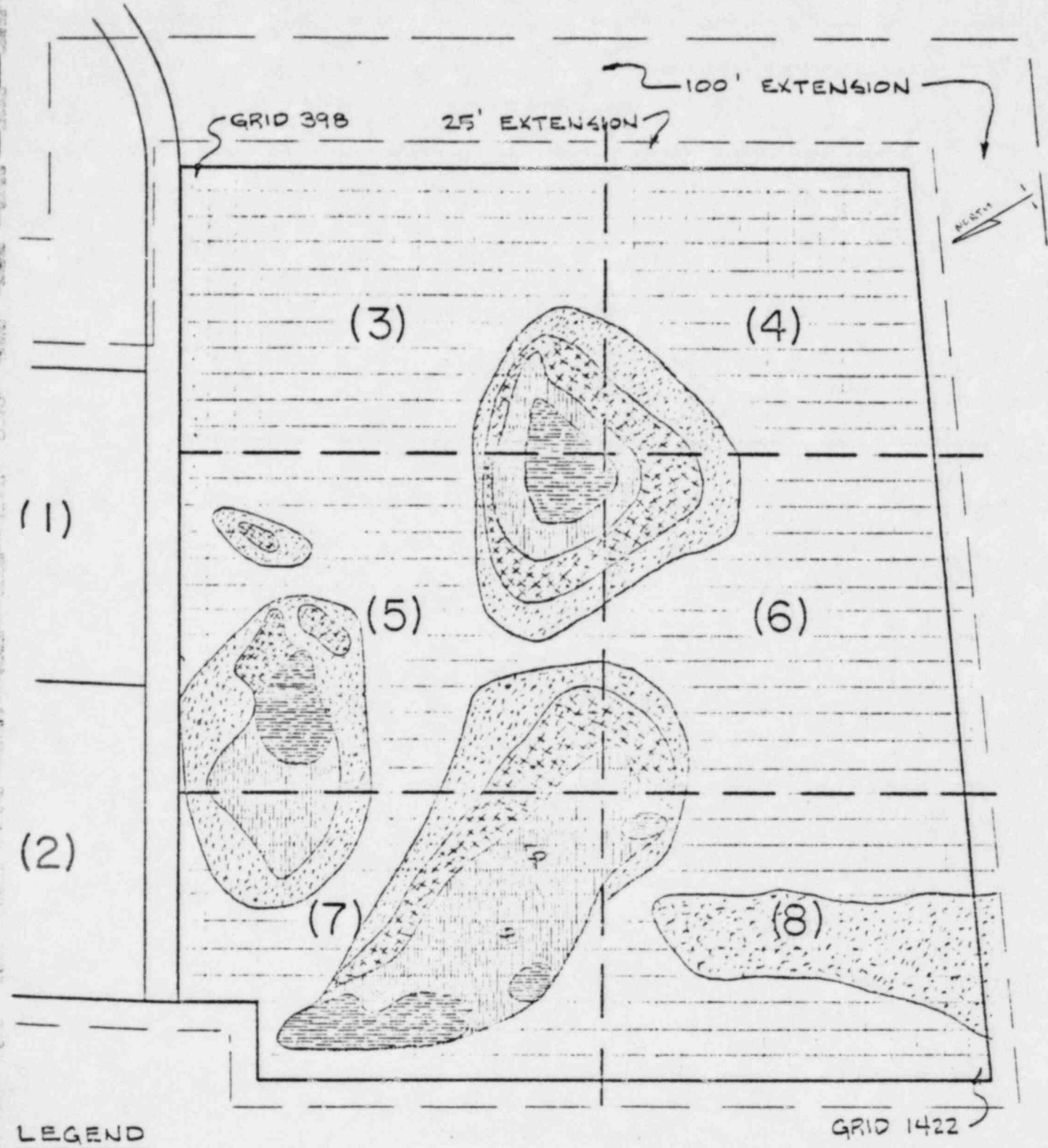


Figure 7.a(1)
Distribution of Radioactivity - Grid 398 to 1422
as a function of depth

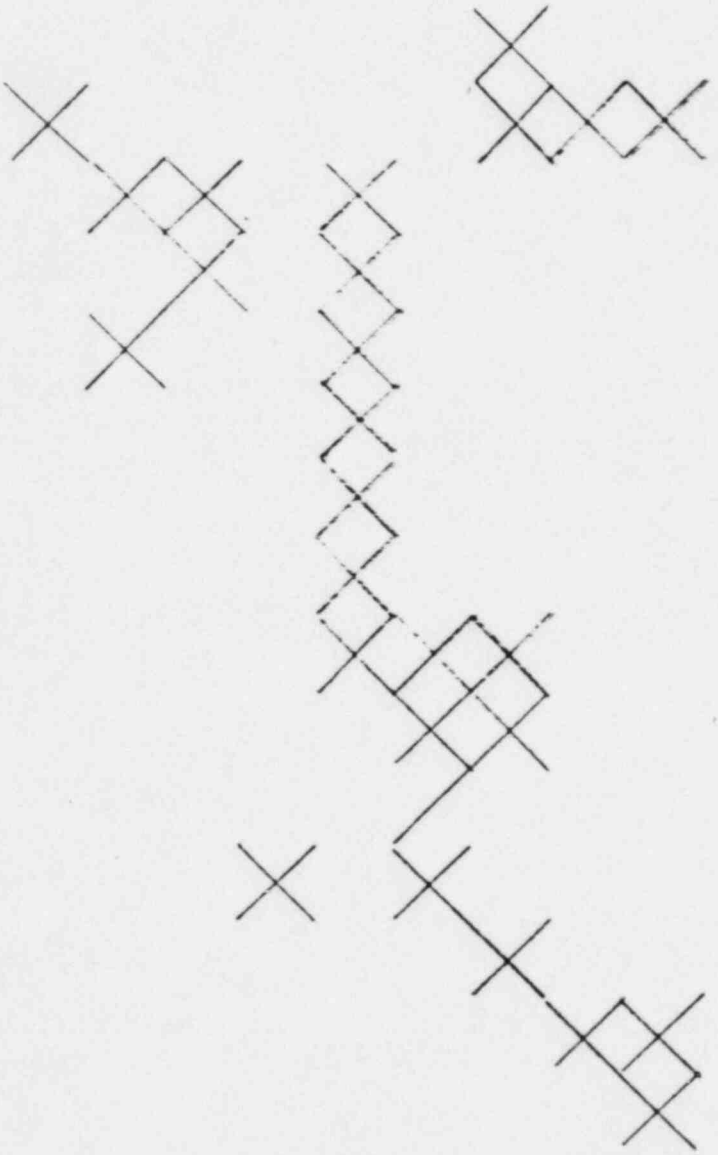


TABLE 8G
GRIDS WHICH EXCEED TWO TIMES
NATURAL BACKGROUND

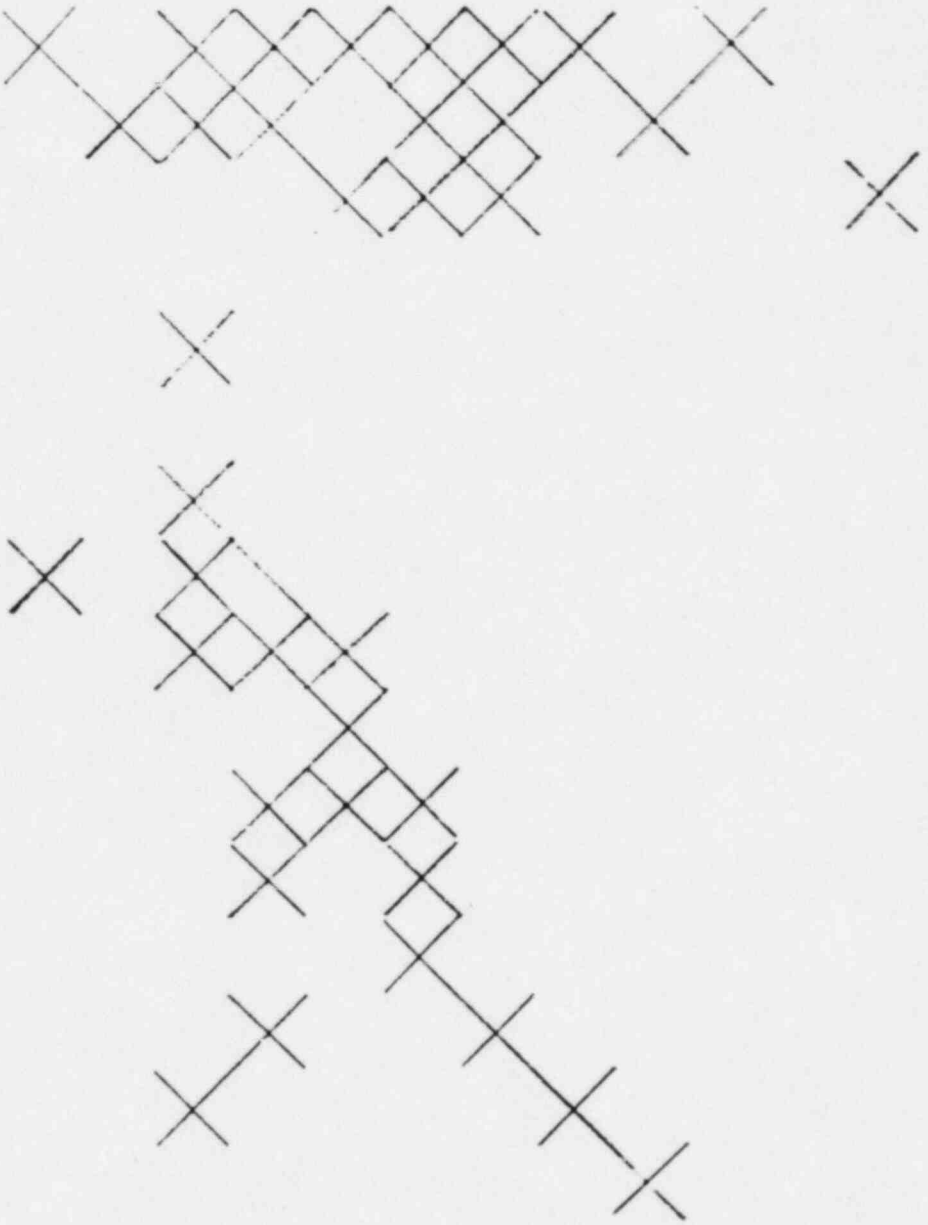
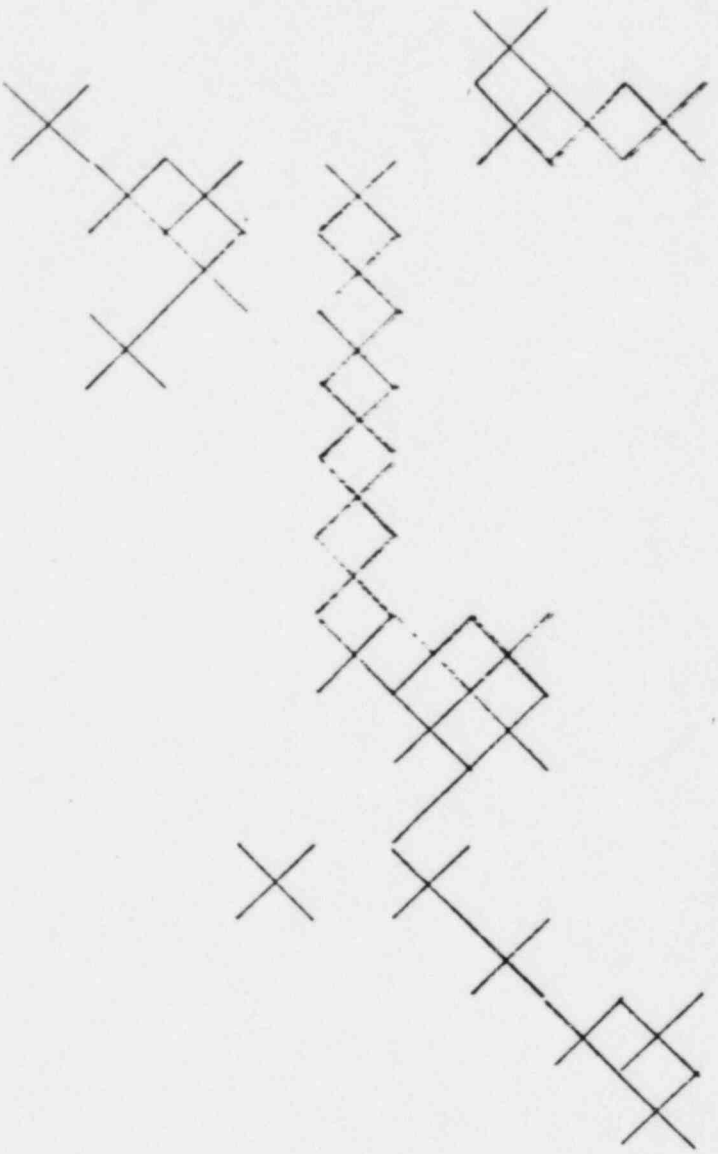


TABLE 8G
GRIDS WHICH EXCEED FIVE TIMES
NATURAL BACKGROUND



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NATURAL BACKGROUND

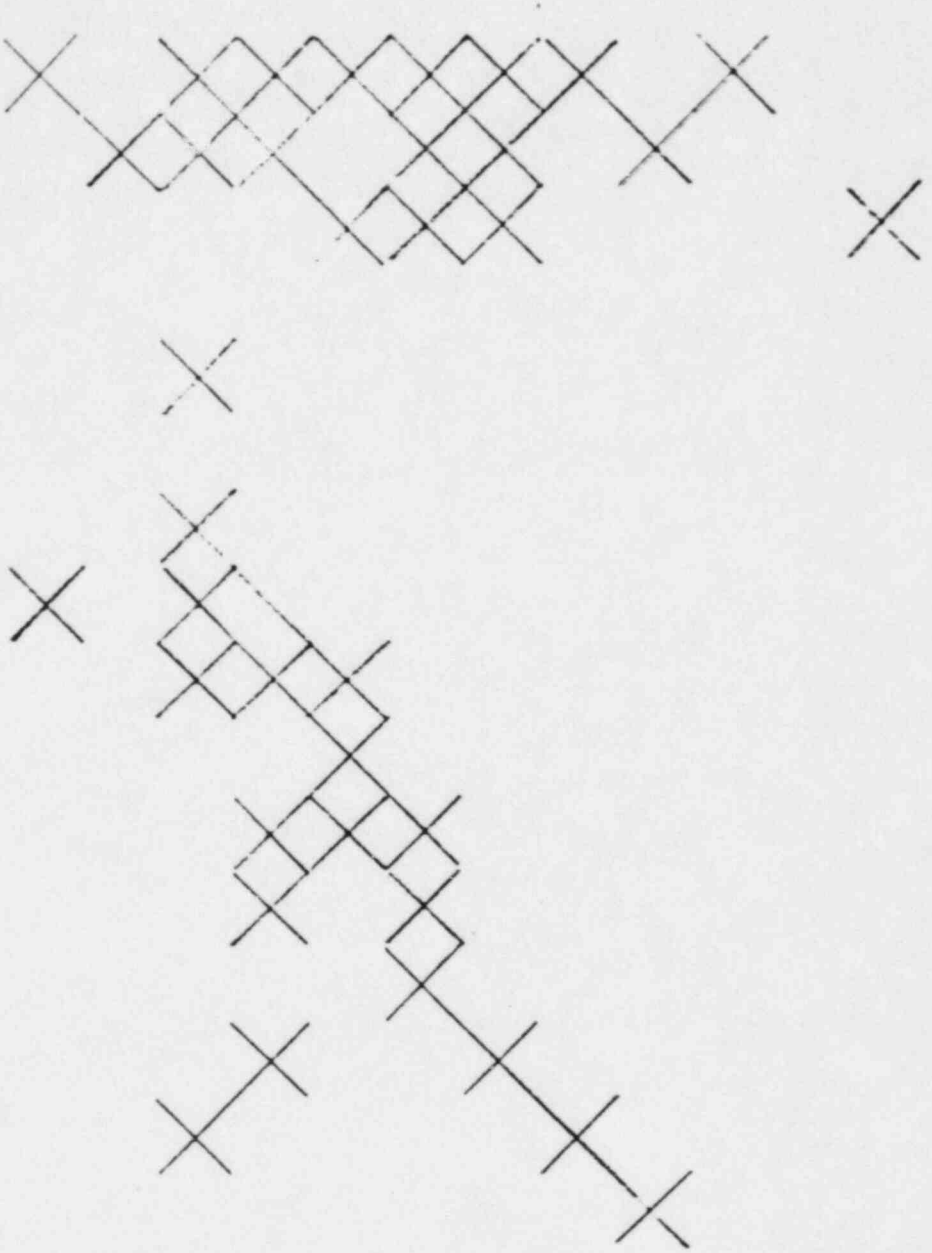


TABLE 8G
GRIDS WHICH EXCEED FIVE TIMES
NATURAL BACKGROUND

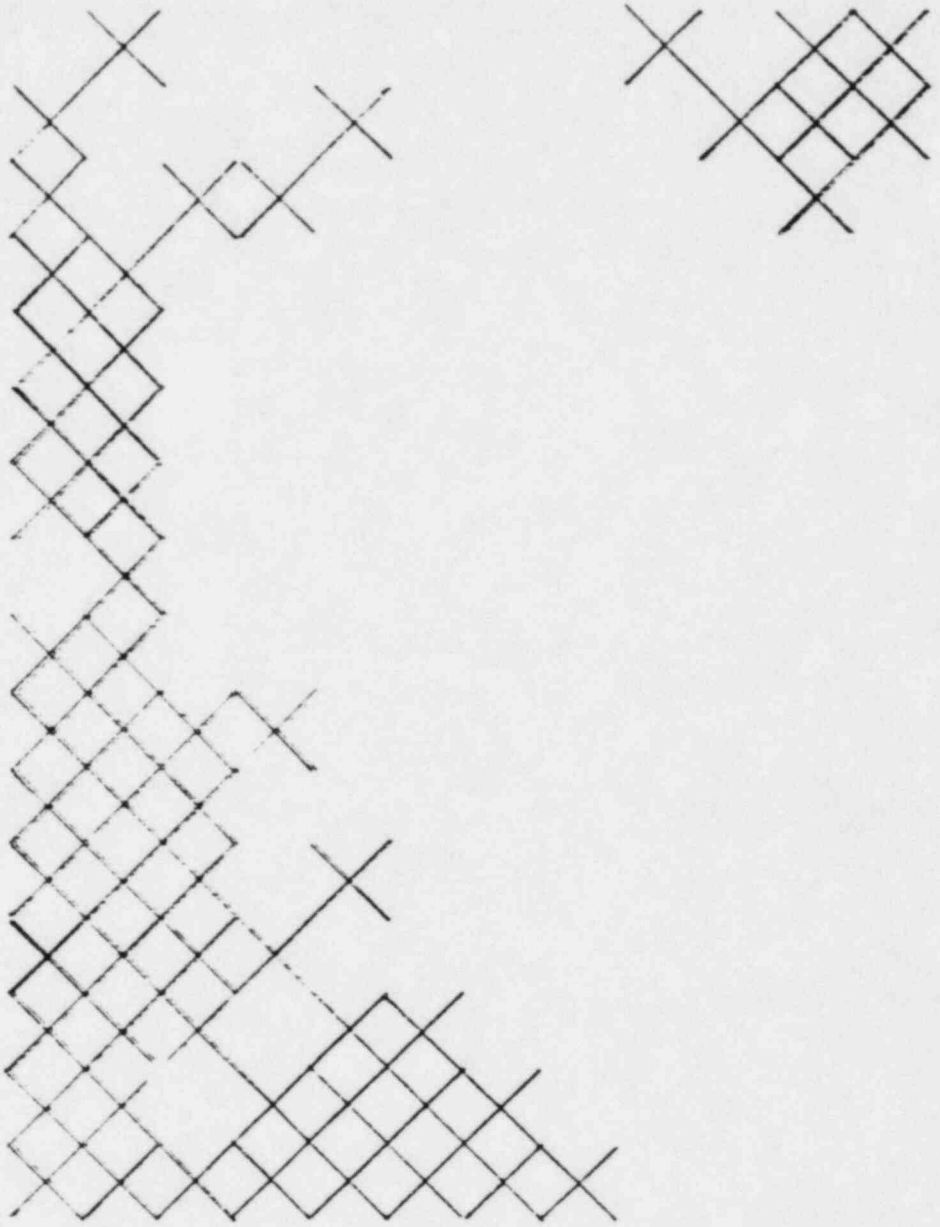
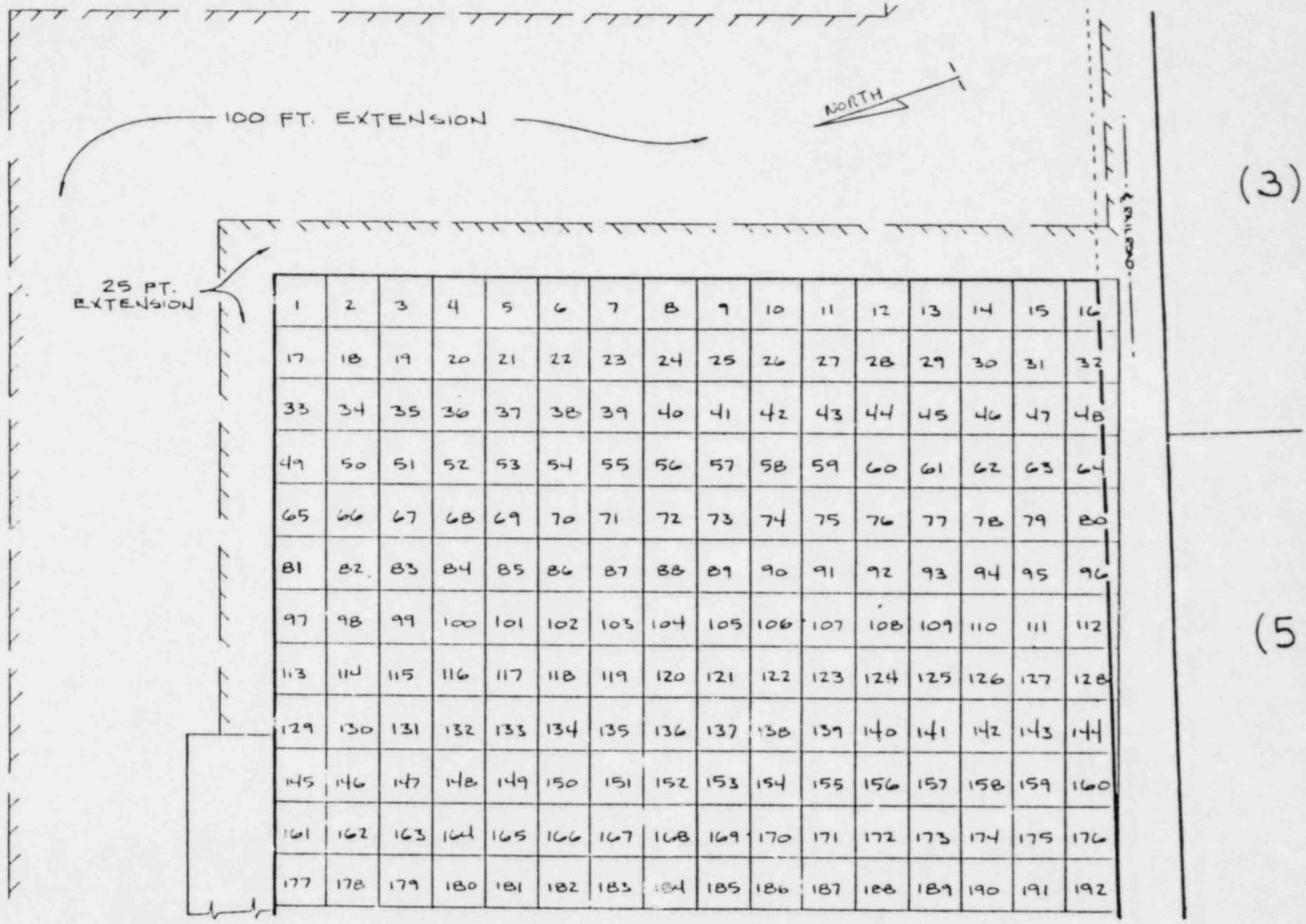


TABLE 8G
GRIDS WHICH EXCEED TEN TIMES
NATURAL BACKGROUND



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33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
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97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
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161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
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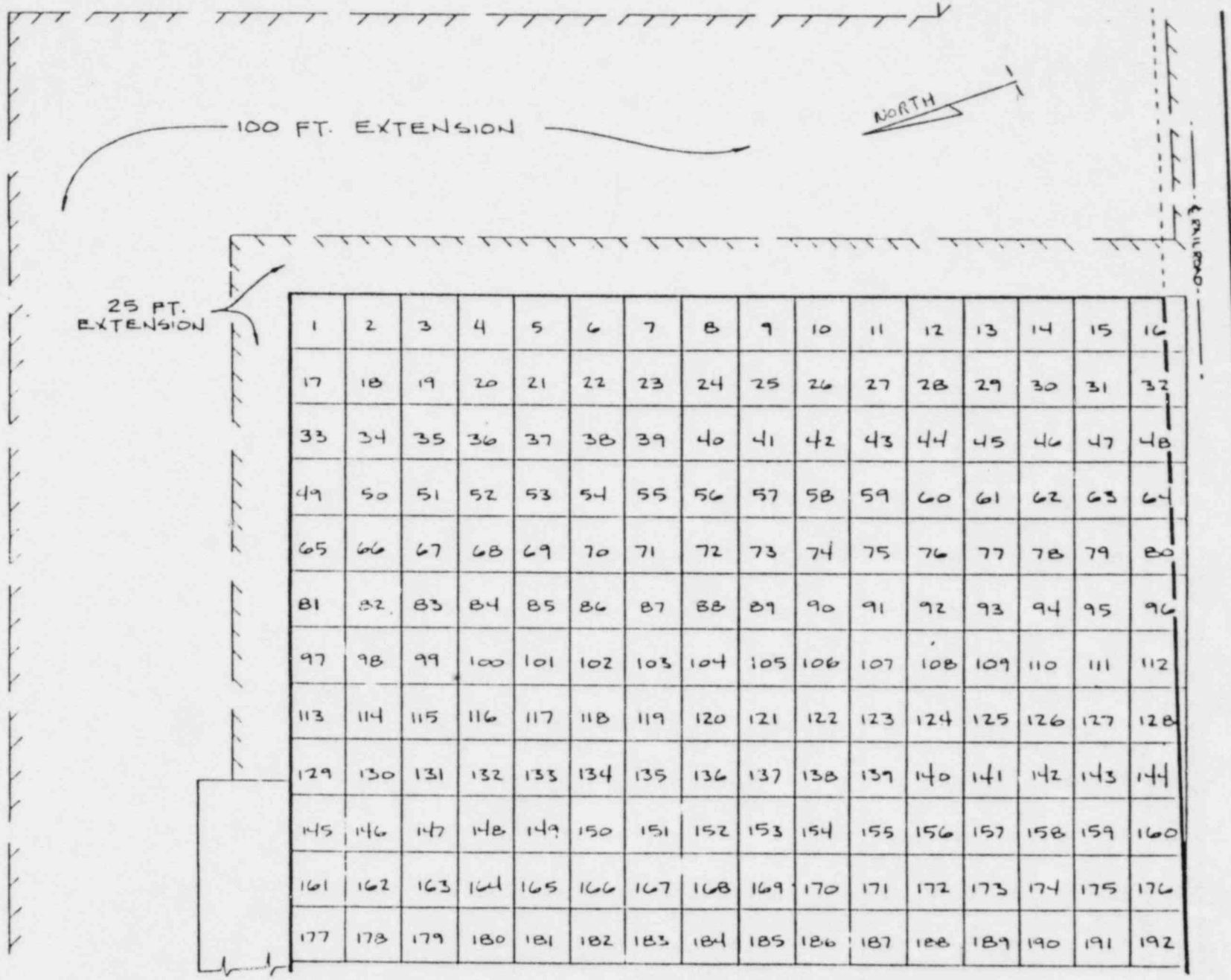
100 FT. EXTENSION
NORTH
RAILROAD
25 PT. EXTENSION
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96
97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112
113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128
129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144
145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160
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177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192

(3)

(5

(2)

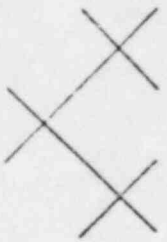
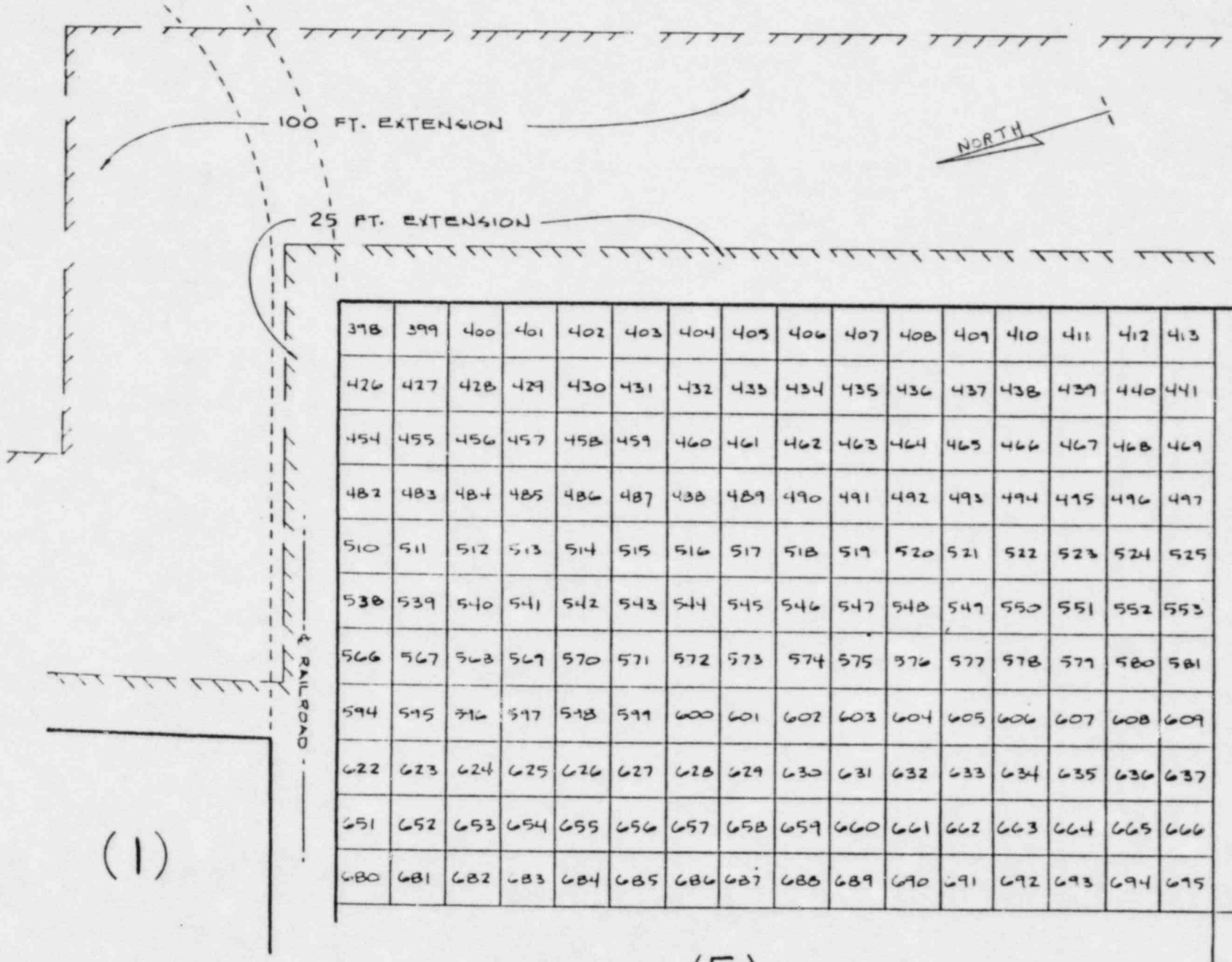


TABLE 8G
GRIDS WHICH EXCEED FIVE TIMES
NATURAL BACKGROUND



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510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525
538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553
566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581
594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609
622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637
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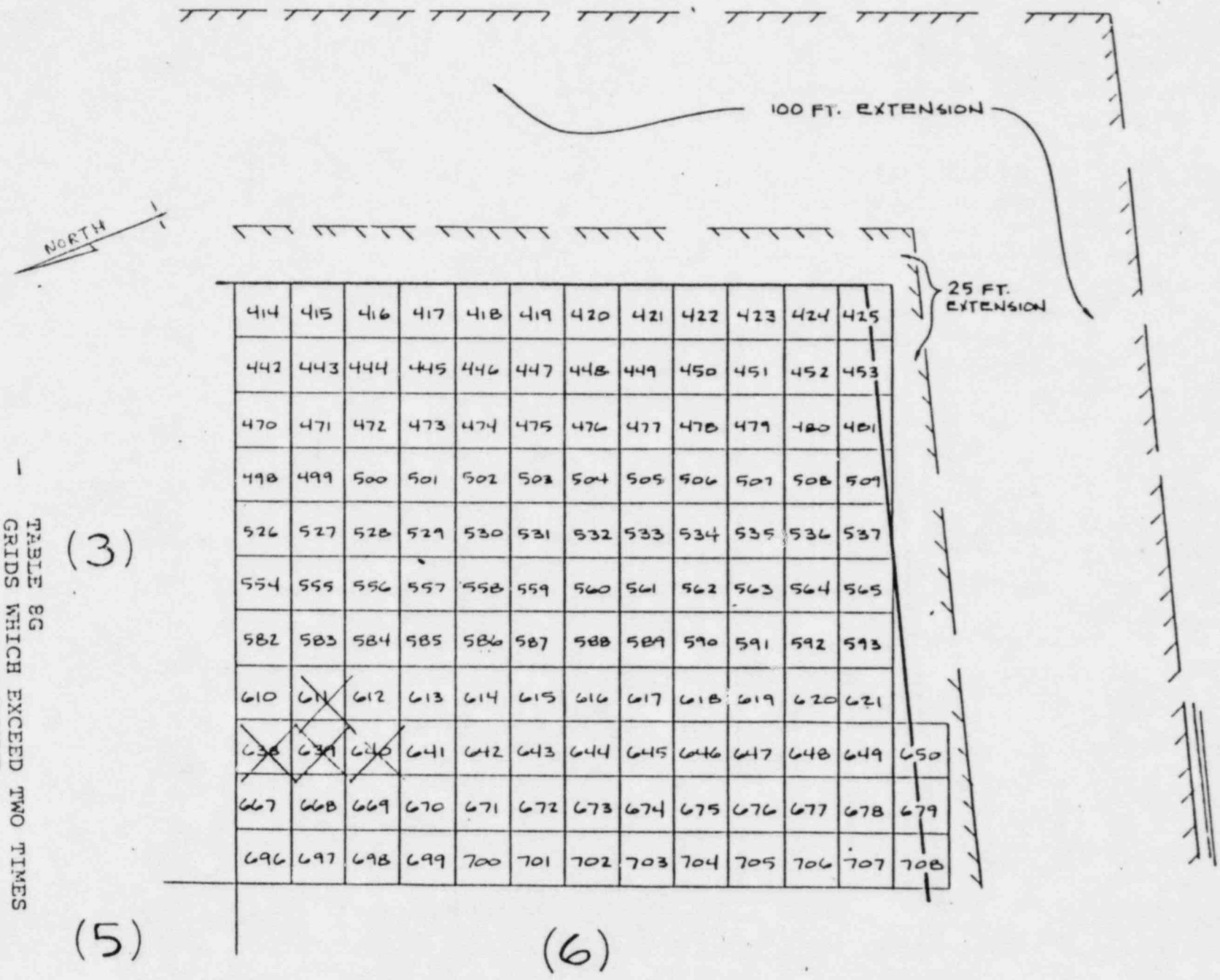

TABLE 8G – GRIDS WHICH EXCEED TWO TIMES NATURAL BACKGROUND

TABLE 8G GRIDS WHICH EXCEED FIVE TIMES NATURAL BACKGROUND

TABLE 8G
GRIDS WHICH EXCEED TWO TIMES
NATURAL BACKGROUND

TABLE 8G
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NATURAL BACKGROUND

TABLE 8G
GRIDS WHICH EXCEED FIVE TIMES
NATURAL BACKGROUND

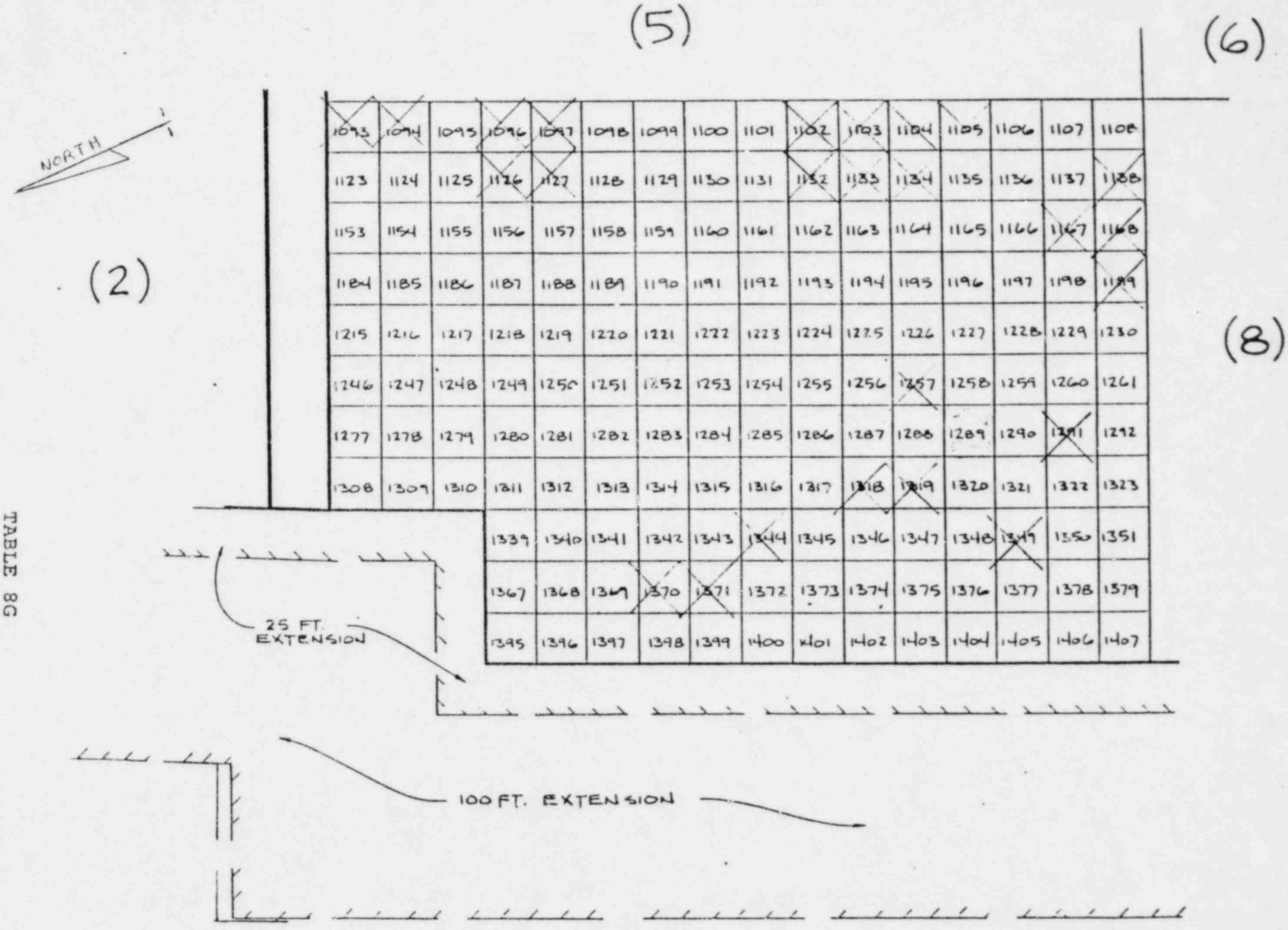
TABLE 8G

GRIDS WHICH EXCEED TWO TIMES NATURAL BACKGROUND

GRIDS WHICH EXCEED TEN TIMES NATURAL BACKGROUND

GRIDS WHICH EXCEED FIVE TIMES NATURAL BACKGROUND

TABLE 8G
GRIDS WHICH EXCEED TWO TIMES
NATURAL BACKGROUND



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1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230
1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261
1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292
1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323
1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351			
1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379			
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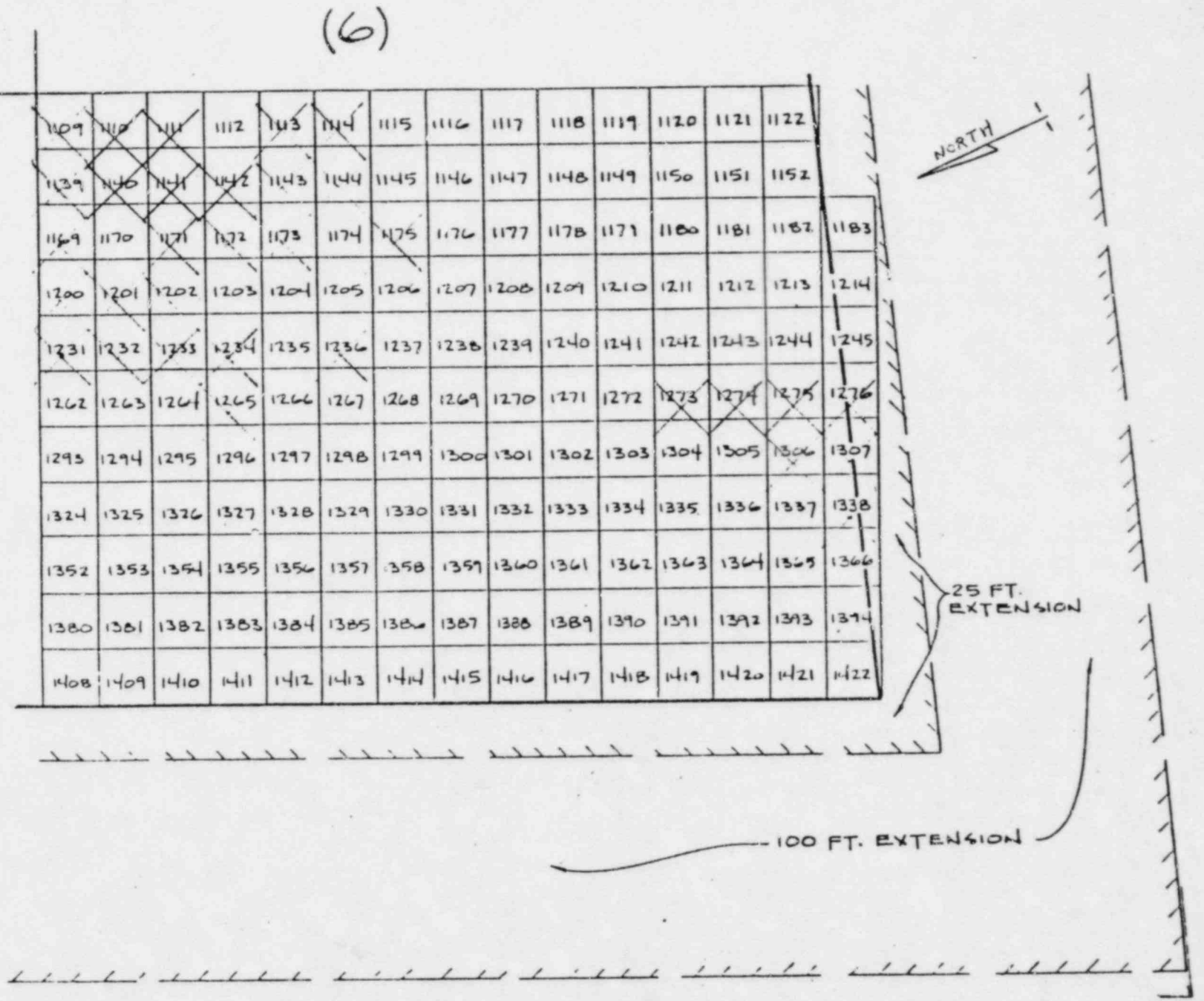

TABLE 8G

GRIDS WHICH EXCEED TWO TIMES
NATURAL BACKGROUND

GRIDS WHICH EXCEED TEN TIMES
NATURAL BACKGROUND