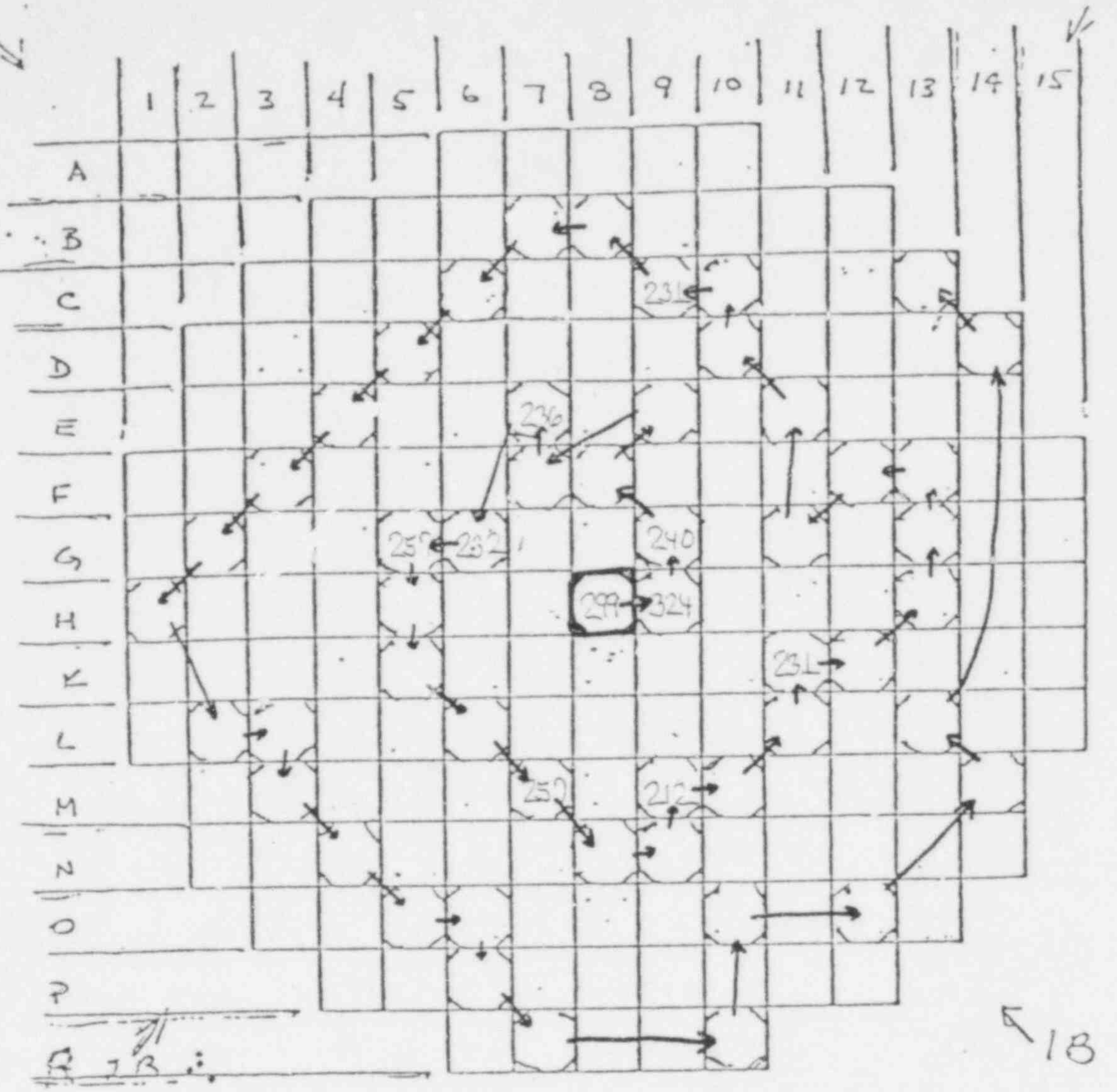
50-320

Supplement to Core Maps



Date 4/30/79
Time 0800

RCS
Pressure 865

A inlet cold 165 $T_{A_{hot}}$ 179 $\Delta T = 14$

B inlet cold 135 $T_{B_{hot}}$ 180 $\Delta T = 45$

Pressure 537

Pressurizer 283

Press SGA 165

Press SGB 136

Letdown Flow ___

B out

WIND ___ mph @ ___°

(3240) -

219: x 10 PART.
x 10 I
x 10 GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4.2

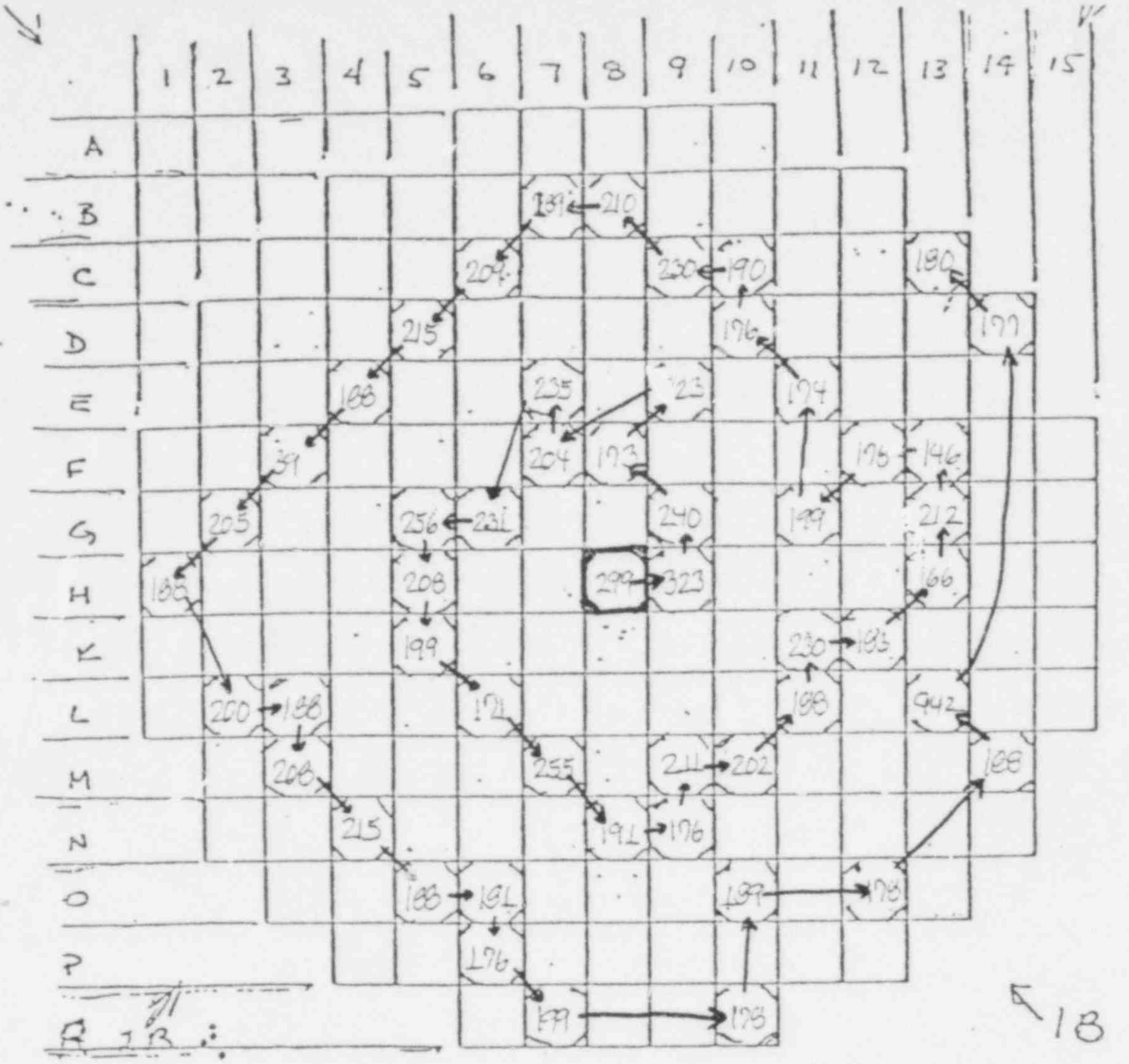
748: x 10 PART
x 10 I
x 10 GAS

556002

Hydrogen Concentration ___ %

7907180241 R

CONTAINMENT:
~~Pressure~~ ___ psig, Temperature ___ F



Date 4/30/79
Time 0700

RCS.
Pressure 864

A inlet (cold) 165 $T_{A\ hot}$ 179 ΔT = 14
B inlet (cold) 135 $T_{B\ hot}$ 181 ΔT = 44

Pressure 537

Pressurizer 200

Press SGA 165

Press SGB 135

Letdown Flow ___

B out WIND - 0 mph @ 150°

(3240) - 13

219 : 5.3 x 10^-10 PART.
1.44 x 10^-8 I
3.52 x 10^-5 GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

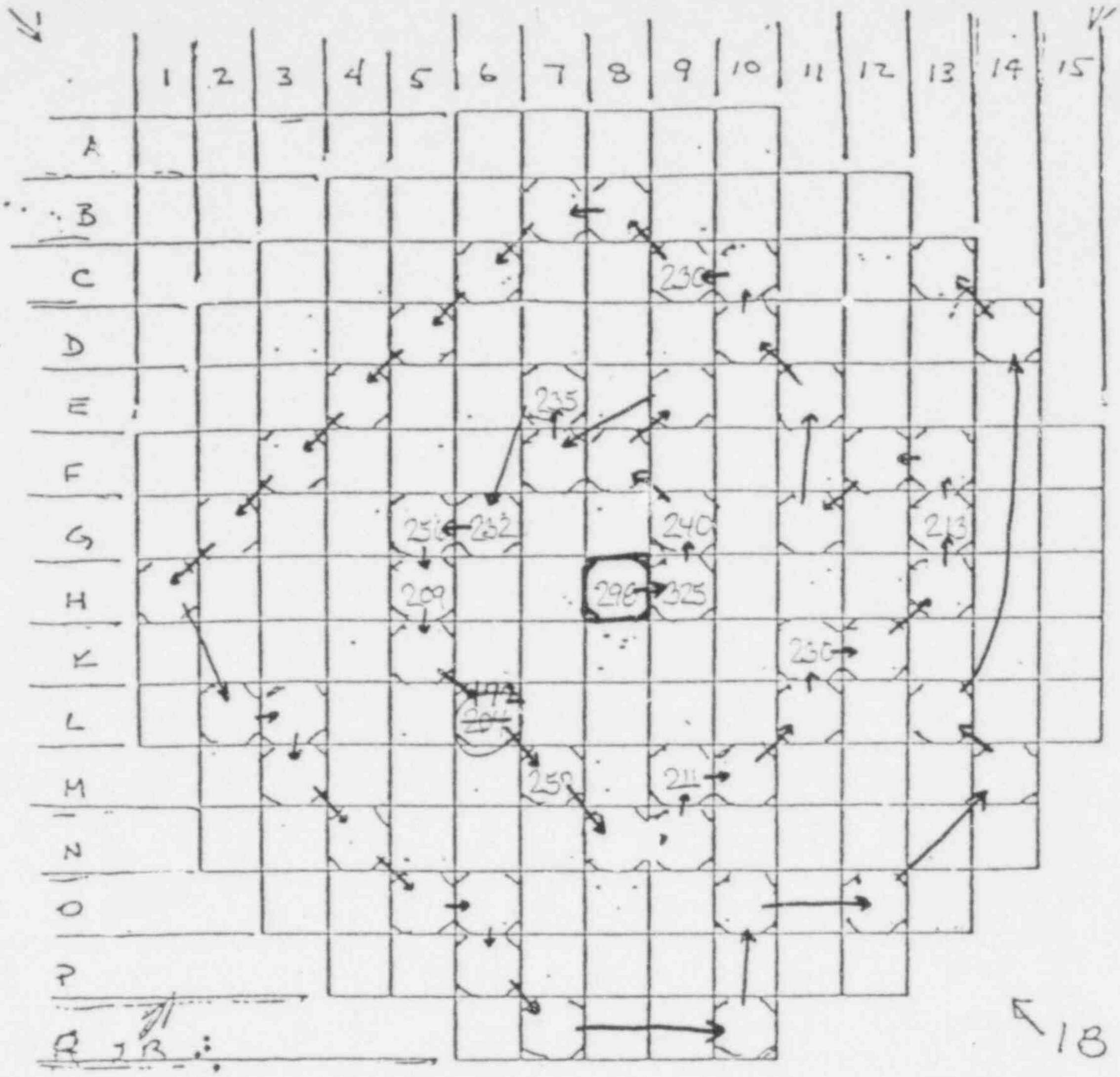
FIGURE 4

748 : 6.21 x 10^-9 PART
1.95 x 10^-7 I
4.59 x 10^-3 GAS

Hydrogen Concentration ___ 7.

55003

CONTAINMENT:
Pressure - 5 psig, Temperature ___ F



Date 4/30/79

Time 0600

RCS. Pressure 865

A inlet (cold) 165 $T_{A_{Hot}}$ 179 ΔT = 14

B inlet (cold) 136 $T_{B_{Hot}}$ 181 ΔT = 45

Pressure 537

Pressurizer 284

Press SGA 164

Press SGB 135

Letdown Flow ___

B out WIND - 0 mph @ 255°

(3240) - 1¾

219 : 1.93×10^{-9} PART.

1.32×10^{-8} I

3.63×10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAI[illegible]
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI[illegible]

FIGURE 4[illegible]

748 : 7.29×10^{-9} PART

2.74×10^{-7} I

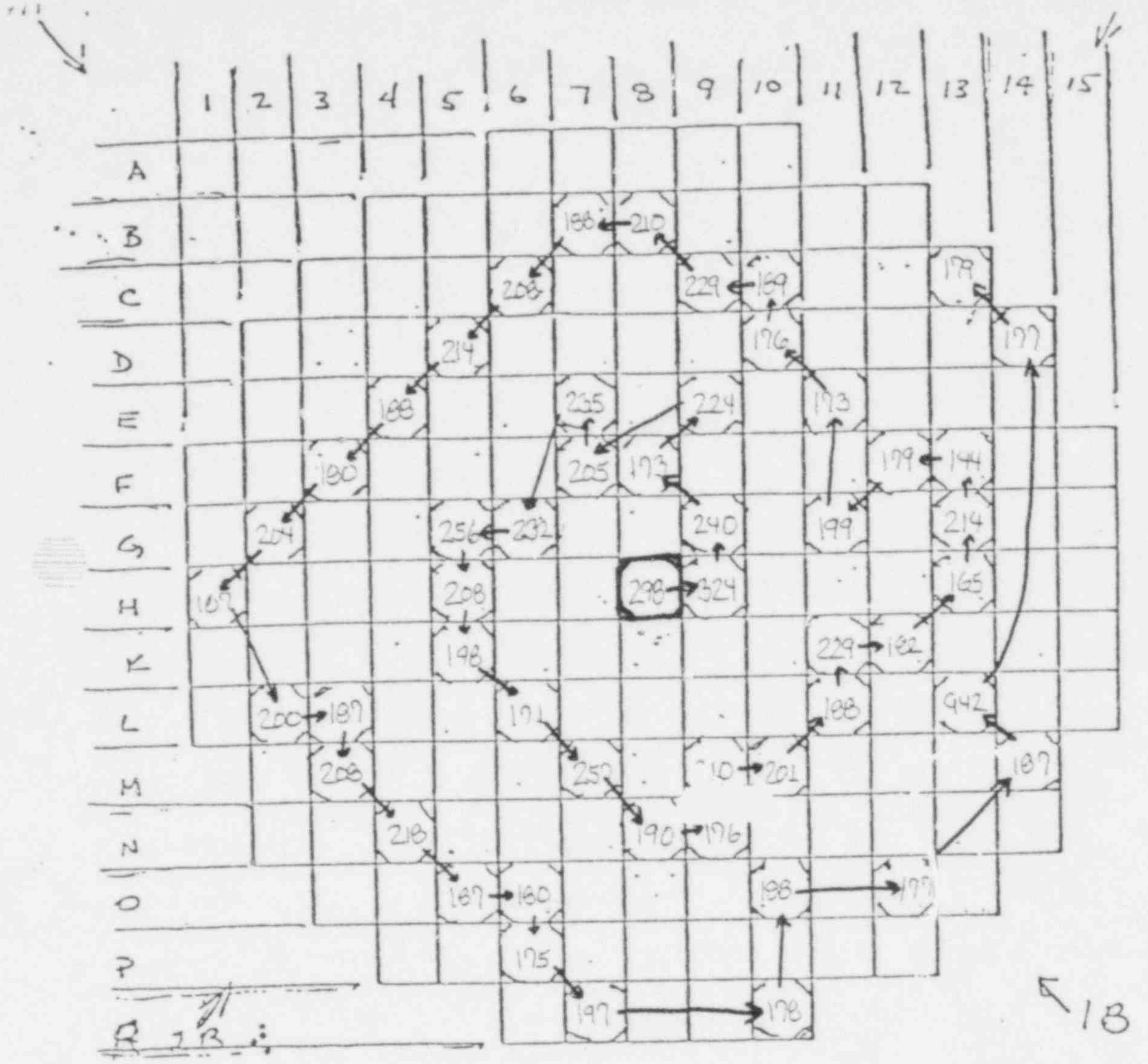
4.76×10^{-3} GAS

Hydrogen Concentration ___ %

556004

CONTAINMENT:

Pressure: — psig, Temperature ___ F



Date 4/30/79

Time 0500

RCS. Pressure 870

A cold inlet 164 — $T_{A_{Hot}}$ 179 ΔT = 15

B cold inlet 136 $T_{B_{Hot}}$ 181 ΔT = 45

Pressure 538

Pressurizer 298

Press SGA 165

Press SGB 135

Letdown Flow ___

~~A 475" 30~~

~~B 99% 27~~

B out

WIND ___ mph @ ___°

(3240)

219 : x 10 PART. / x 10 I / x 10 GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

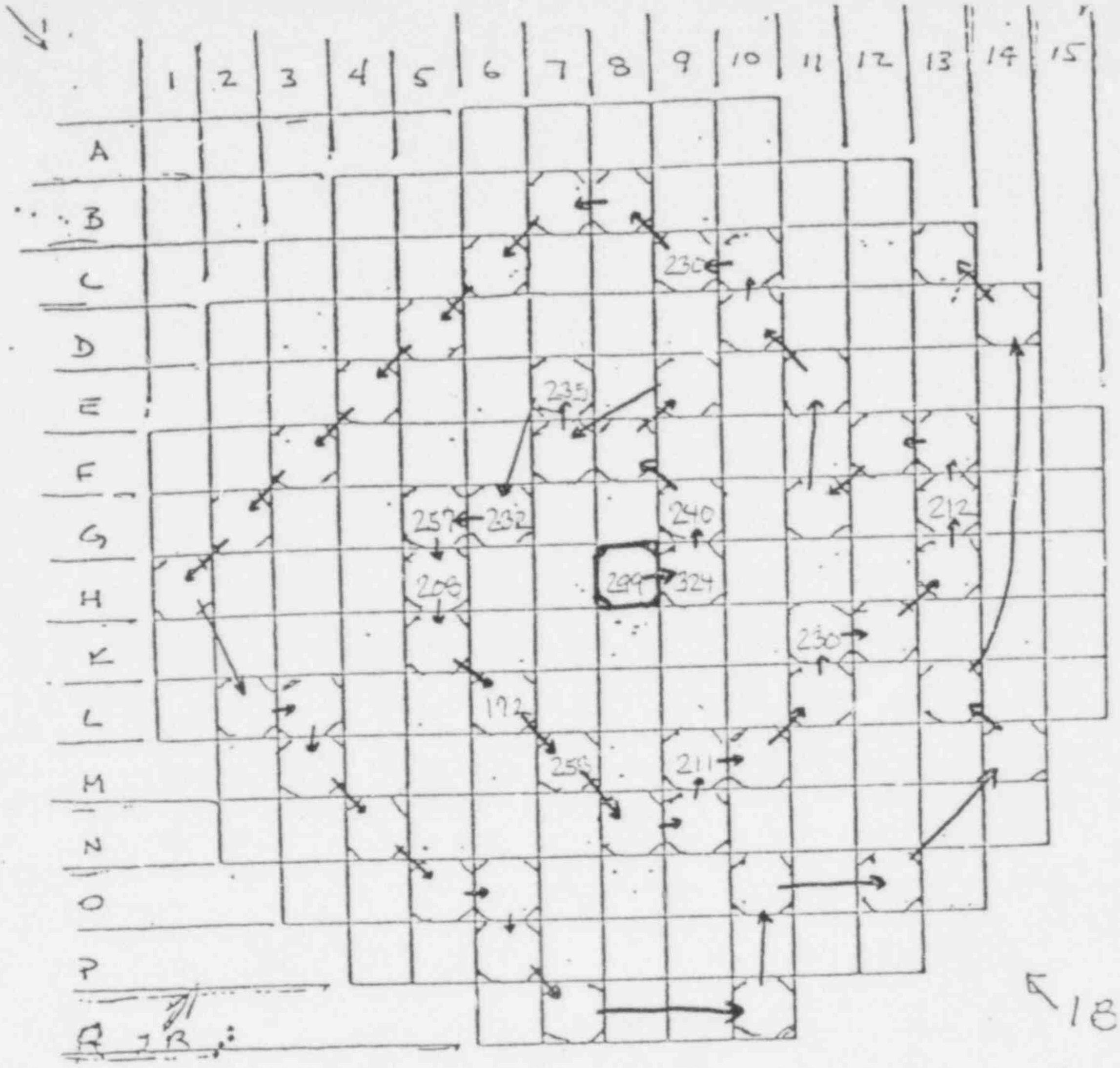
FIGURE 4.

748 : x 10 PART / x 10 I / x 10 GAS

Hydrogen Concentration 7

556965

CONTAINMENT:
~~Pressure~~ -.6 psig, Temperature ___ F



Date 4/30/79

Time 0400

Press. Pressure 873

TA_{cold} inlet 166 $T_{A_{hot}}$ 179 ΔT = 13

TB_{cold} inlet 137 $T_{B_{h}}$ 181 ΔT = 44

T pressure 538

L pressurizer 281

Press SGA 165

Press SGB 135

Letdown Flow ___

B out

WIND - ___ mph @ ___°

(3240) -

219 : x 10 PART.

x 10 I

x 10 GAS

LOCATION OF FUEL ASSEMBLIES CONTA
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION 1

FIGURE

748 : x 10 PART

x 10 I

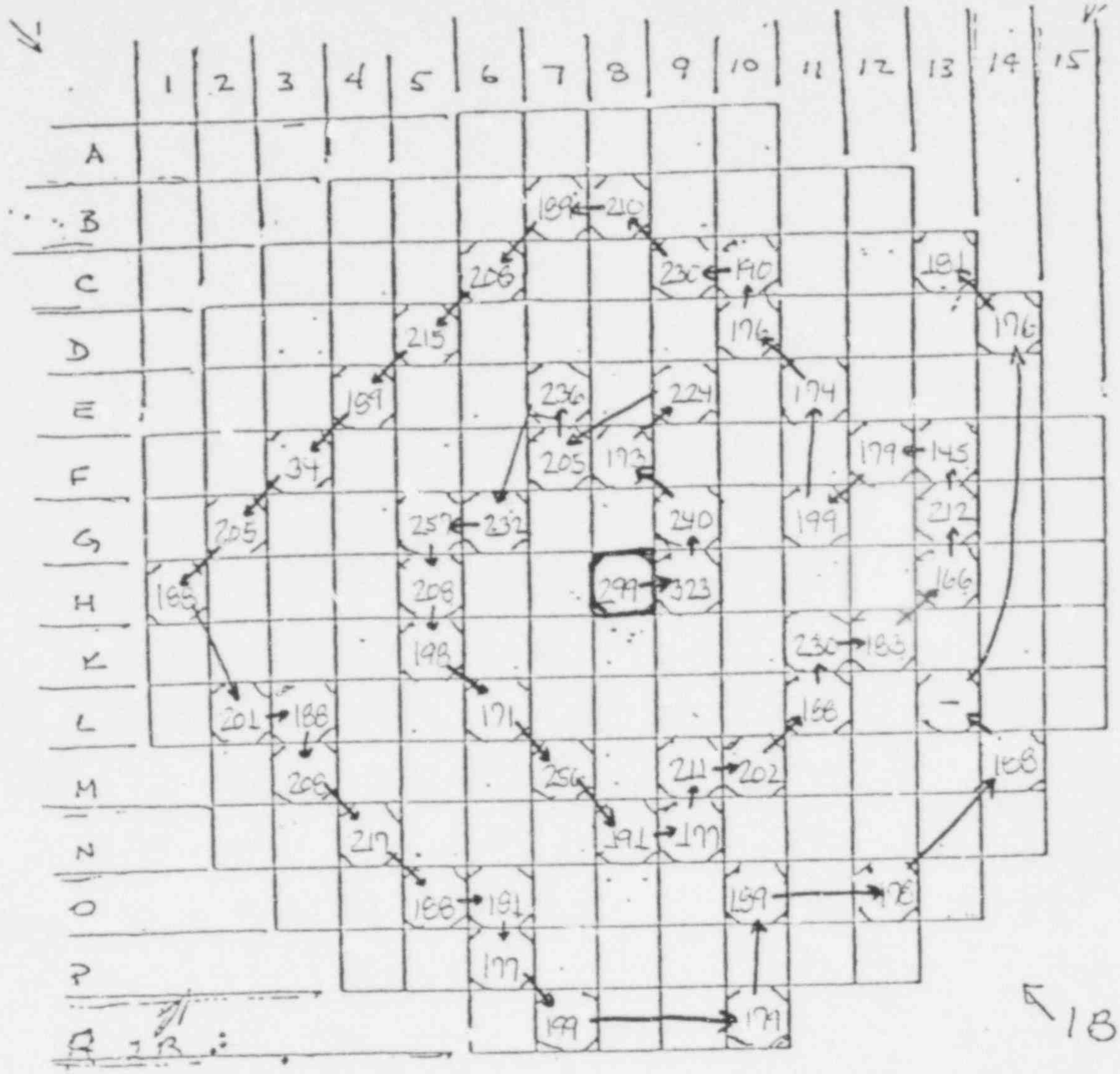
x 10 GAS

Hydrogen Concentration ___

556006

CONTAINMENT:

Pressure: -6 psig, Temperature ___ F



te 4/30/79 ~~0300~~

ne 0300 0313

ure 868

let 162 $T_{A_{hot}}$ 179 ΔT = 12

let 137 $T_{B_{hot}}$ 181 ΔT = 44

sure 537

ssurizer 258

s SGA 165

s SGB 136

own Flow ____

B out

WIND - 0 mph @ 295°

(3240) - 14

219 : 8.35 x 10^-10 PART.
1.45 x 10^-5 I
4.77 x 10^-5 GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI[NG]
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI[T]

FIGURE 4

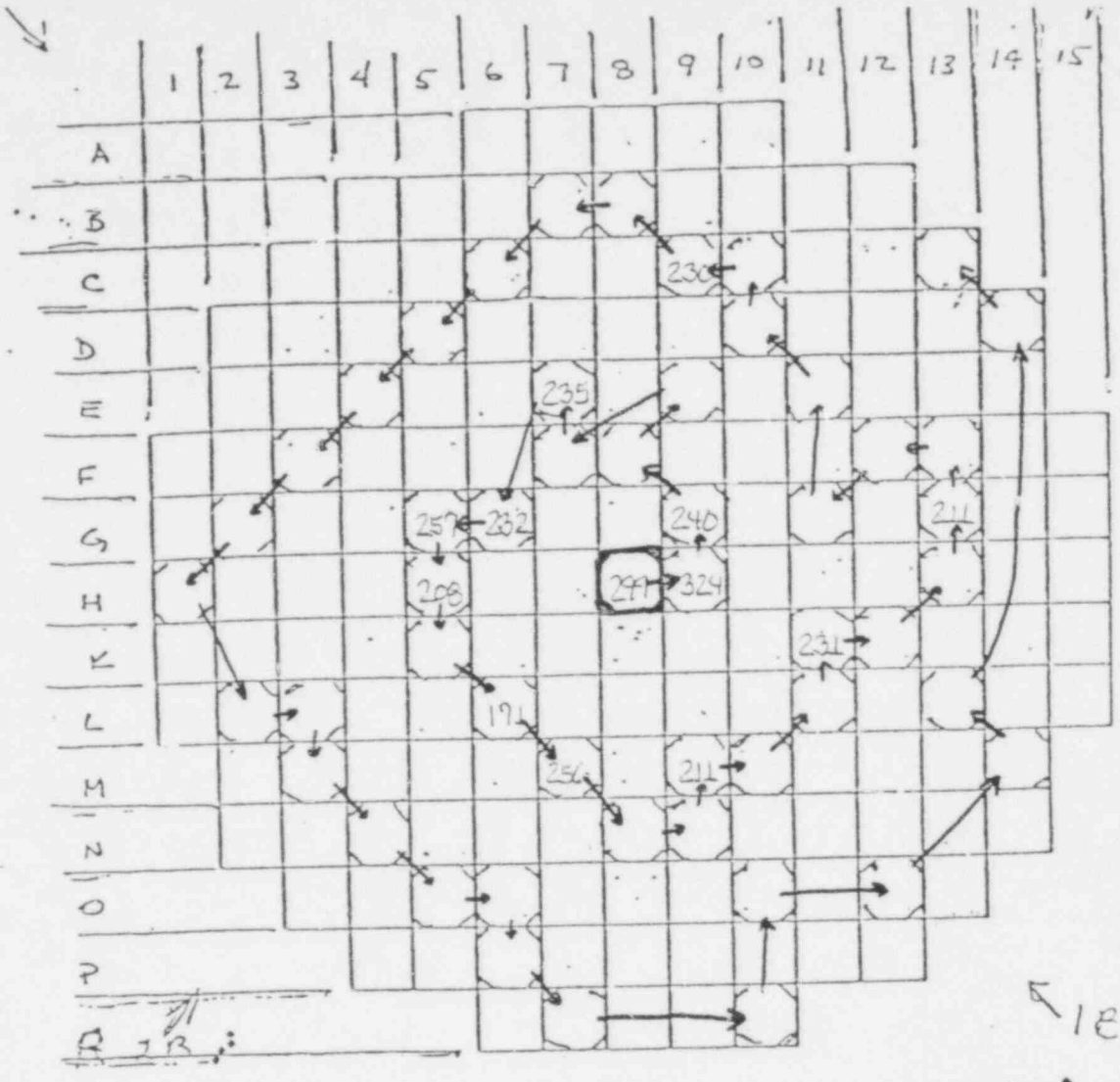
748 : 6.23 x 10^-9 PART
3.46 x 10^-7 I
4.78 x 10^-3 GAS

Hydrogen Concentration ____ 7.

556007

~~556006~~

CONTAINMENT:
Pressure - .8 psig, Temperature ____ F



Date 4/30/79
Time 0200
Press. Pressure 870

$T_{A_{cold}}$ inlet 166 $T_{A_{hot}}$ 190 ΔT = 14
$T_{B_{cold}}$ inlet 130 $T_{B_{hot}}$ 181 ΔT = 43
T pressure 537
L pressurizer 277
Press SGA 165
Press SGB 136
Letdown Flow ___

B out

WIND - 1 mph @ 270°

(3240) - [illegible]

219: 1.93 x 10^{-2} PART.
1.43 x 10^{-3} I
4.72 x 10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONT.
BURNABLE POISON RODS
THREE MILE ISLAND NUCLEAR STATION

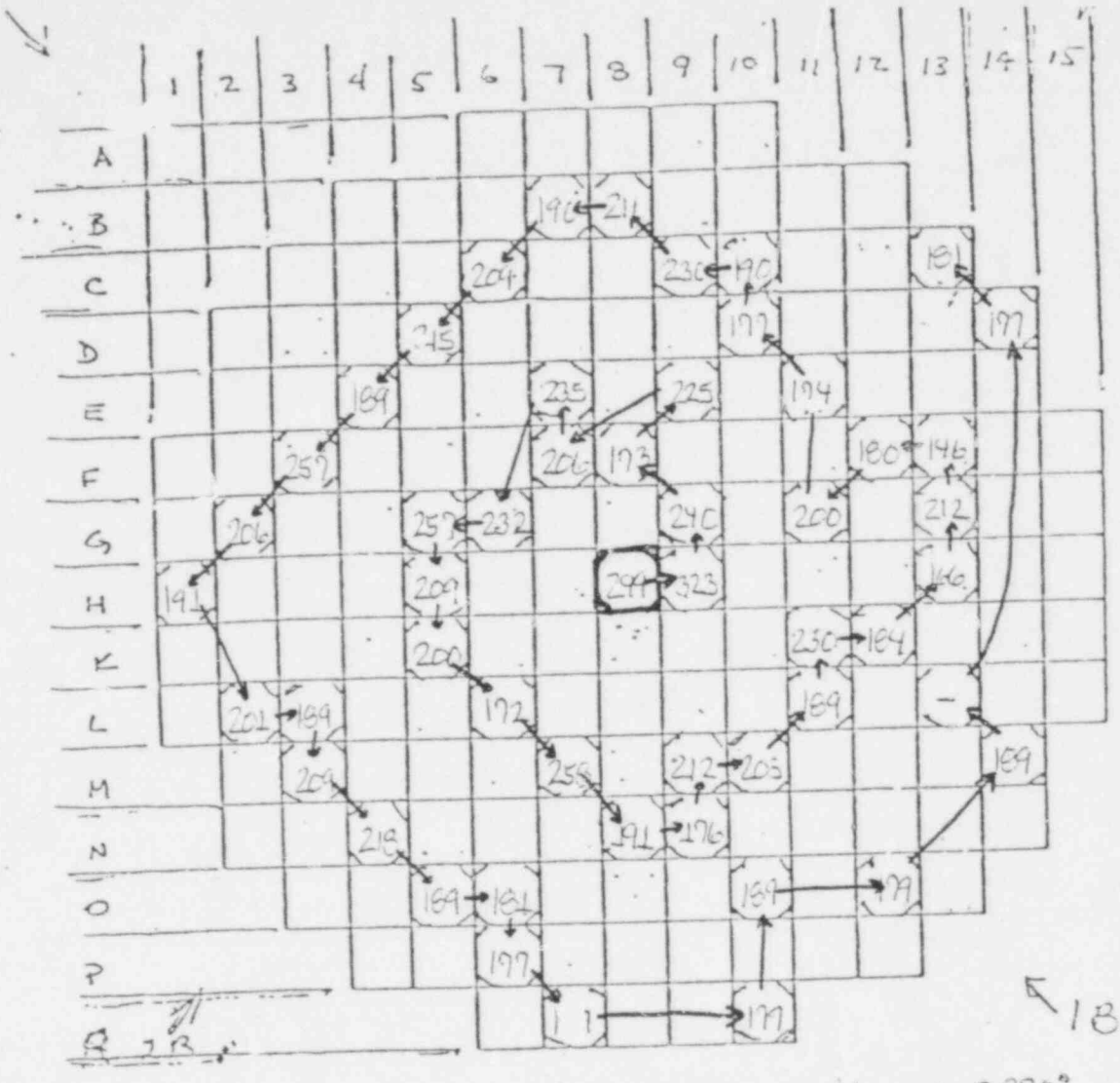
FIGUR

748: 1.08 x 10^{-5} PART
4.45 x 10^{-7} I
4.71 x 10^{-3} GAS

Hydrogen Concentration ___

556008

CONTAINMENT:
Pressure ___ psig, Temperature ___ F



Date ~~0100~~ 4/30/79

Time 0100

Press. Pressure 868

$T_{A_{cold\ inlet}}$ 166 $T_{A_{hot}}$ 190 $\Delta T = 14$

$T_{B_{cold\ inlet}}$ 139 $T_{B_{hot}}$ 181 $\Delta T = 43$

T pressure 537

L pressurizer ~~5~~ 295

Press SG A 165

Press SG B 137

Letdown Flow ___

B out

WIND - 4 mph @ 270°

(3240) -

219 : ~~5.69~~ 4.95 x 10^{-10} PART.

~~1.45~~ x 10^{-6} I

~~8.67~~ x 10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTA
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION

FIGURE

748 : 1.03 x 10^{-9} PART

4.17 x 10^{-7} I

3.85 x 10^{-3} GAS

Hydrogen Concentration ___

556009

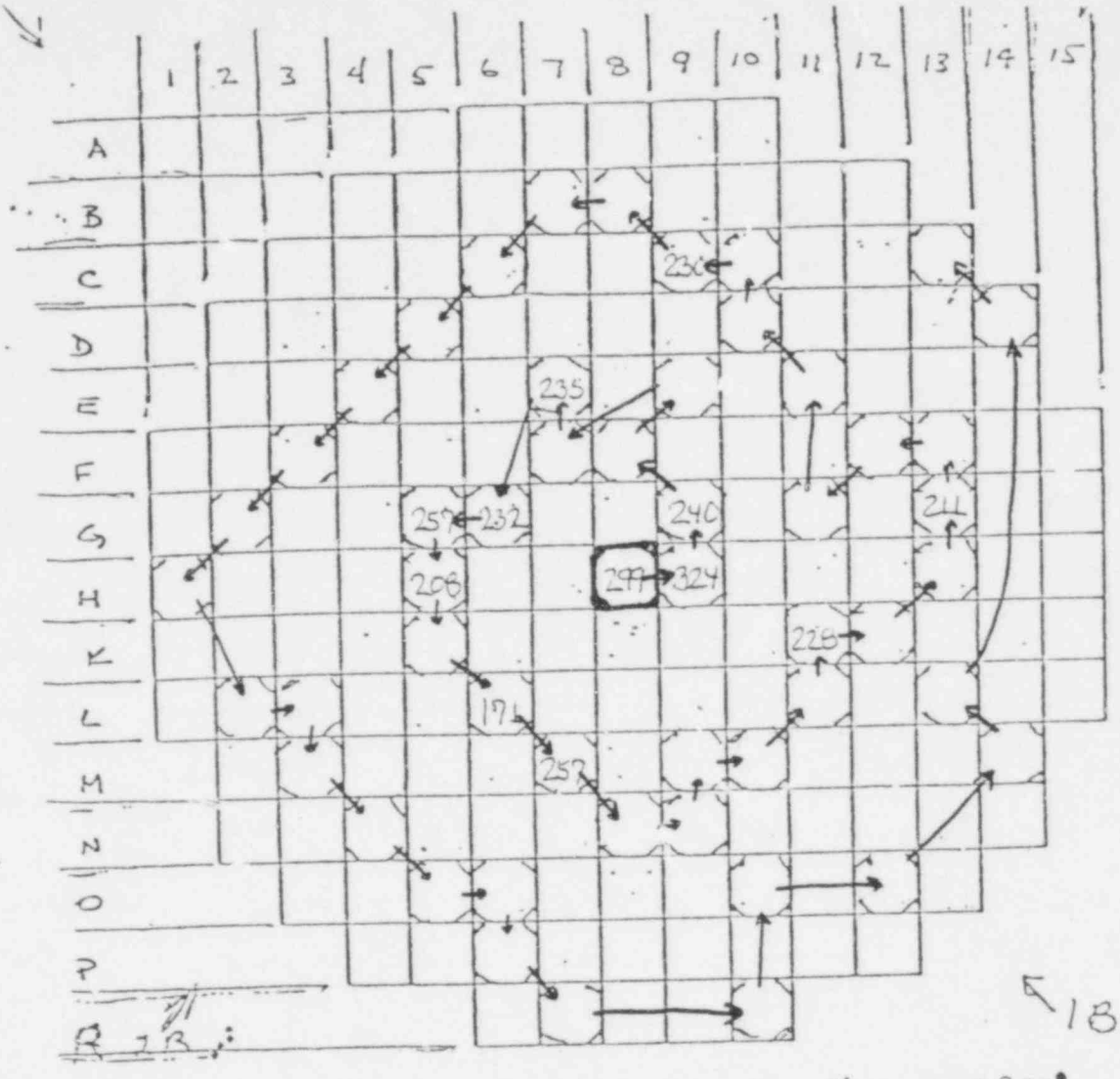
CONTAINMENT:

Pressure ___ psig, Temperature ___ F

Thermocouple Read-out Sequence

8 H 299	12 F 190	10-0 189
9 H 323	11 G 200	12-0 179
9 G 240	11 E 194	14-M 189
8 F 193	10 D 177	13-L -
9 E 225	10 C 190	14-D 177
7 F 206	9 C 230	13-C 191
7 E 235	8 B 211	
6 G 232	7 B 190	
5 G 257	6 C 209	
5 H 209	5 D 215	
5 K 200	4 E 189	
6 L 192	3 F 257 - (216)* Did not go +	
7 M 258	2 G 206	
8 N 191	1 H 191	
9 N 196	2 L 201	
9 M 212	3 L 189	
10 M 203	3 M 219	
11 L 189	4 N 213	
11 K 230	5-O 189	
12 K 184	6-O 191	
13 H 166	6 P ~~196~~ 177	
13 G 212	7 R 199	
13 F 146	10 R 179	

556010



Date 4/30/79

Time 0001

Press. Pressure 868

$T_{X\ cold\ inlet}$ 166 $T_{A\ hot}$ 179 $\Delta T = 13$

$T_{B\ cold\ inlet}$ 138 $T_{B\ hot}$ 181 $\Delta T = 43$

T pressure 540

L Pressurizer 280

Press SG A 165

Press SG B 138

Letdown Flow ____

B out WIND - 5 mph @ 270°

(3240) - [illegible]

219 : 5.59×10^{-10} PART.
1.05×10^{-8} I
6.64×10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U

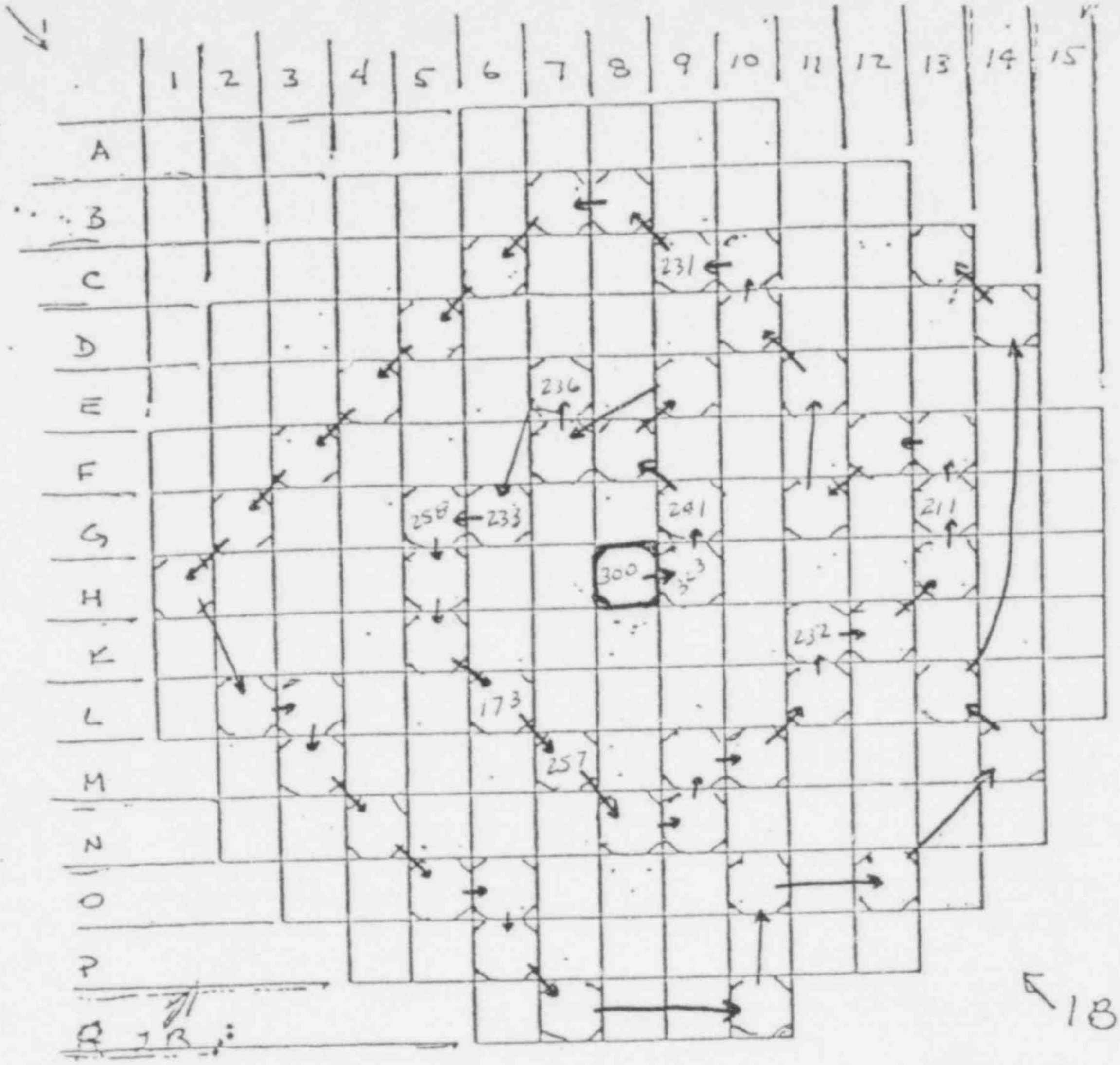
FIGURE

748 : 9.37×10^{-9} PART
1.33×10^{-7} I
4.09×10^{-3} GAS

Hydrogen Concentration ____

556011

CONTAINMENT: Pressure ~6 psig, Temperature ____ F



Date 4/20/79

Time 2300

Press. Pressure 866

T_{A} cold inlet 165 T_{A} hot 180 ΔT = 15

T_{B} cold inlet 139 T_{B} hot 182 ΔT = 43

T pressure 537

L pressurizer 277

Temp Press SGA 166

Temp Press SGB 139

Letdown Flow ____

B out

WIND - 4 mph @ 280°

(3240) - 1.?

219 : 4.95×10^{-10} PART.

9.97×10^{-9} I

7.61×10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U

FIGURE

748 : 9.21×10^{-9} PART

1.58×10^{-7} I

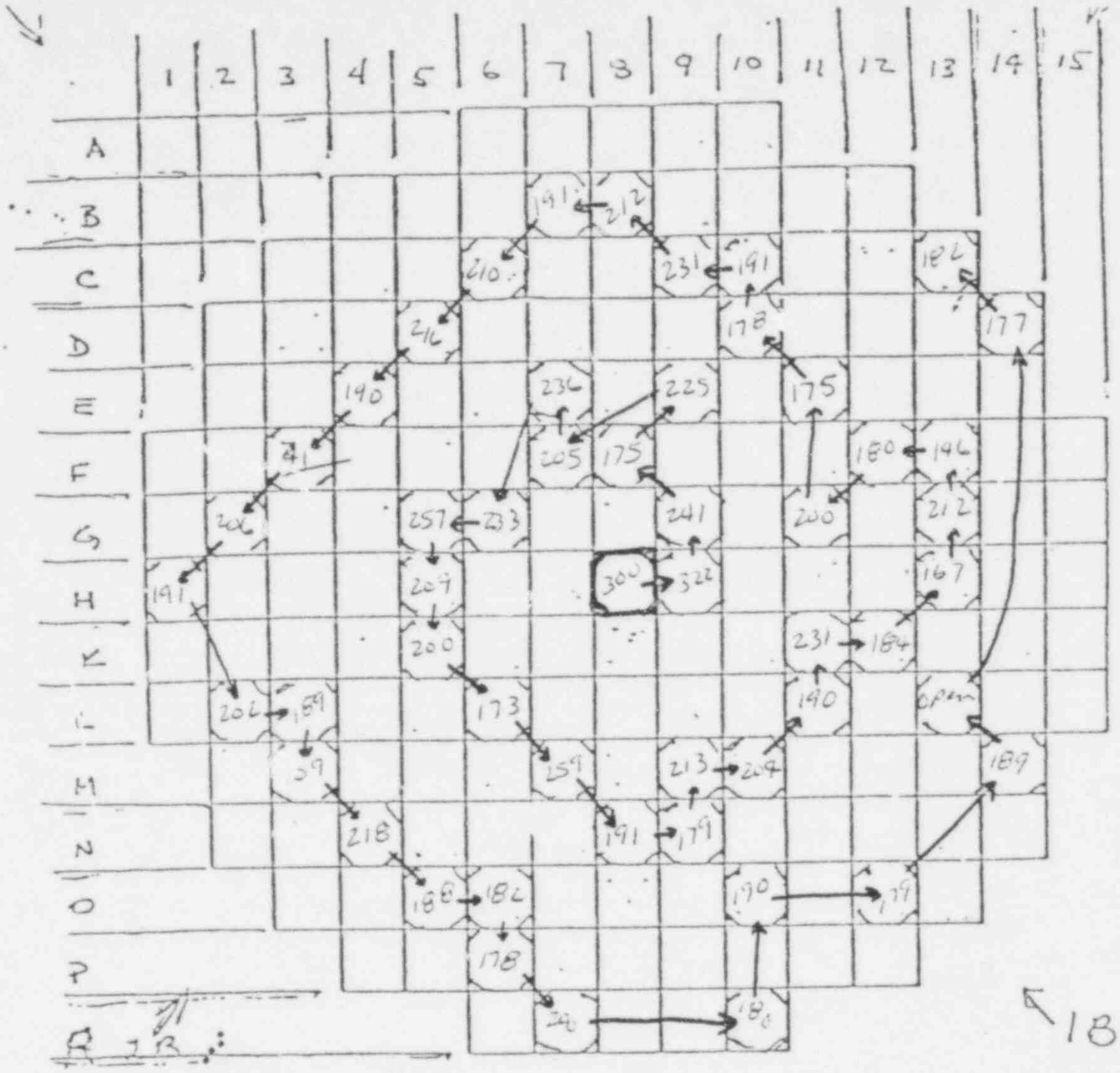
4.46×10^{-3} GAS

Hydrogen Concentration ____

556012

CONTAINMENT:

Pressure: -.6 psig, Temperature ____ F



Date 4/29/79

Time 2200

Press. Pressure 866

T_A $_{cold}$ inlet 166 $T_{A_{hot}}$ 180 ΔT = 14

T_B $_{cold}$ inlet 139 $T_{B_{hot}}$ 181 ΔT = 42

T pressure 538

L Pressurizer 300

Temp Press SGA 165

Temp Press SGB 139

Letdown Flow ____

B out WIND - 2 mph @ 270°

(3240) - 1 ½

219 : 2.28×10^{-10} PART.
1.49×10^{-8} I
9.95×10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTA
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U

Met Ed

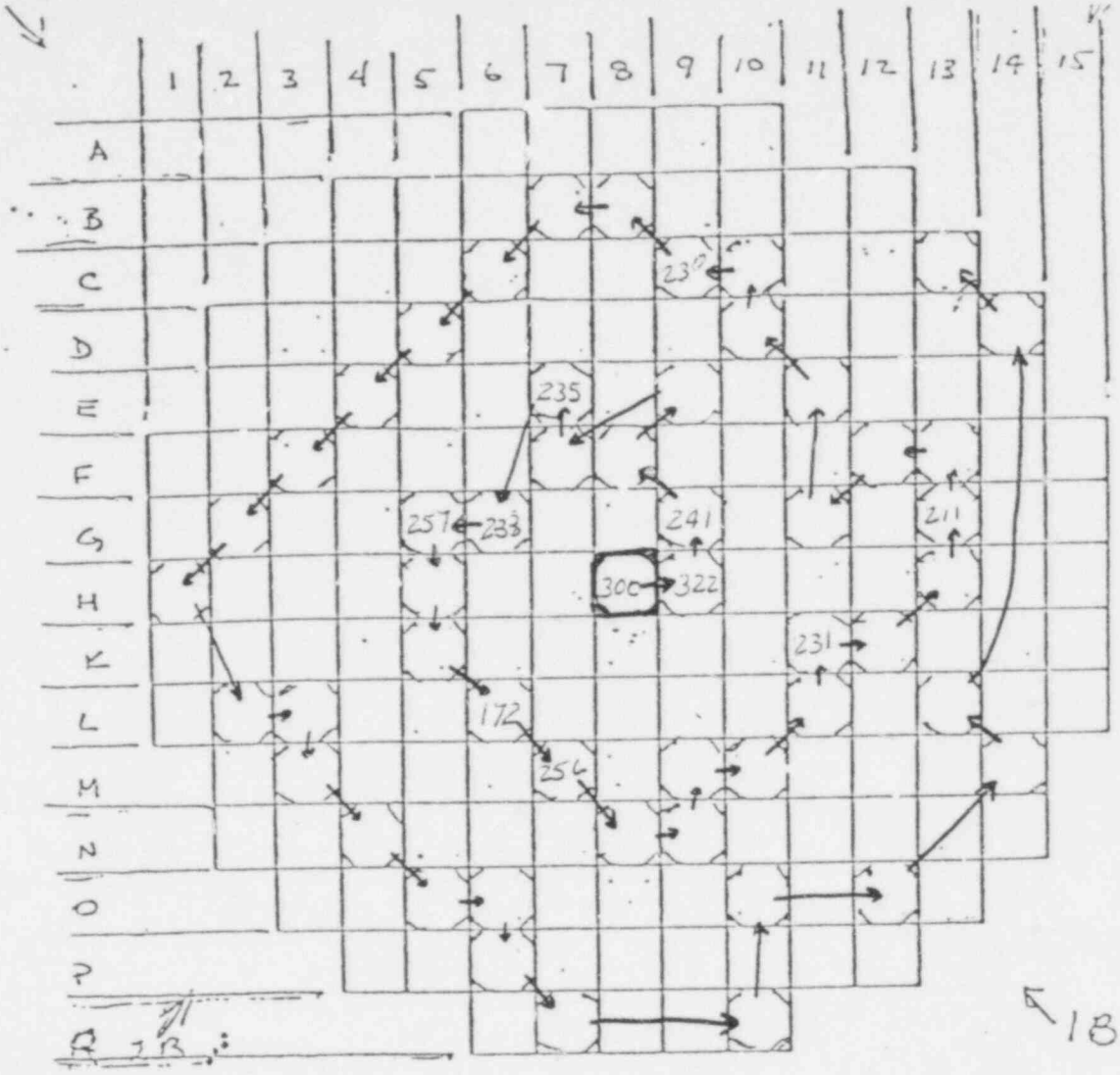
FIGURE

748 : 5.40×10^{-9} PART
3.07×10^{-7} I
4.85×10^{-3} GAS

Hydrogen Concentration ____

556013

CONTAINMENT:
Pressure -1 psig, Temperature ____ F



Date 4/29/79

Time 2100

Press. Pressure 867

$T_{A\ inlet\ cold}$ 165 $T_{A\ hot}$ 180 ΔT = 15

$T_{B\ inlet\ cold}$ 140 $T_{B\ hot}$ 182 ΔT = 42

T pressure 538

L pressurizer 272

Steam Temp Press SGA 165

Steam Temp Press SGB 139

Letdown Flow ____

B out

WIND · 3 mph @ 270°

$ (3240) - 4/12

219 : 6.99×10^{-11} PART.
1.55×10^{-8} I
3.8×10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTA
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U

FIGURE

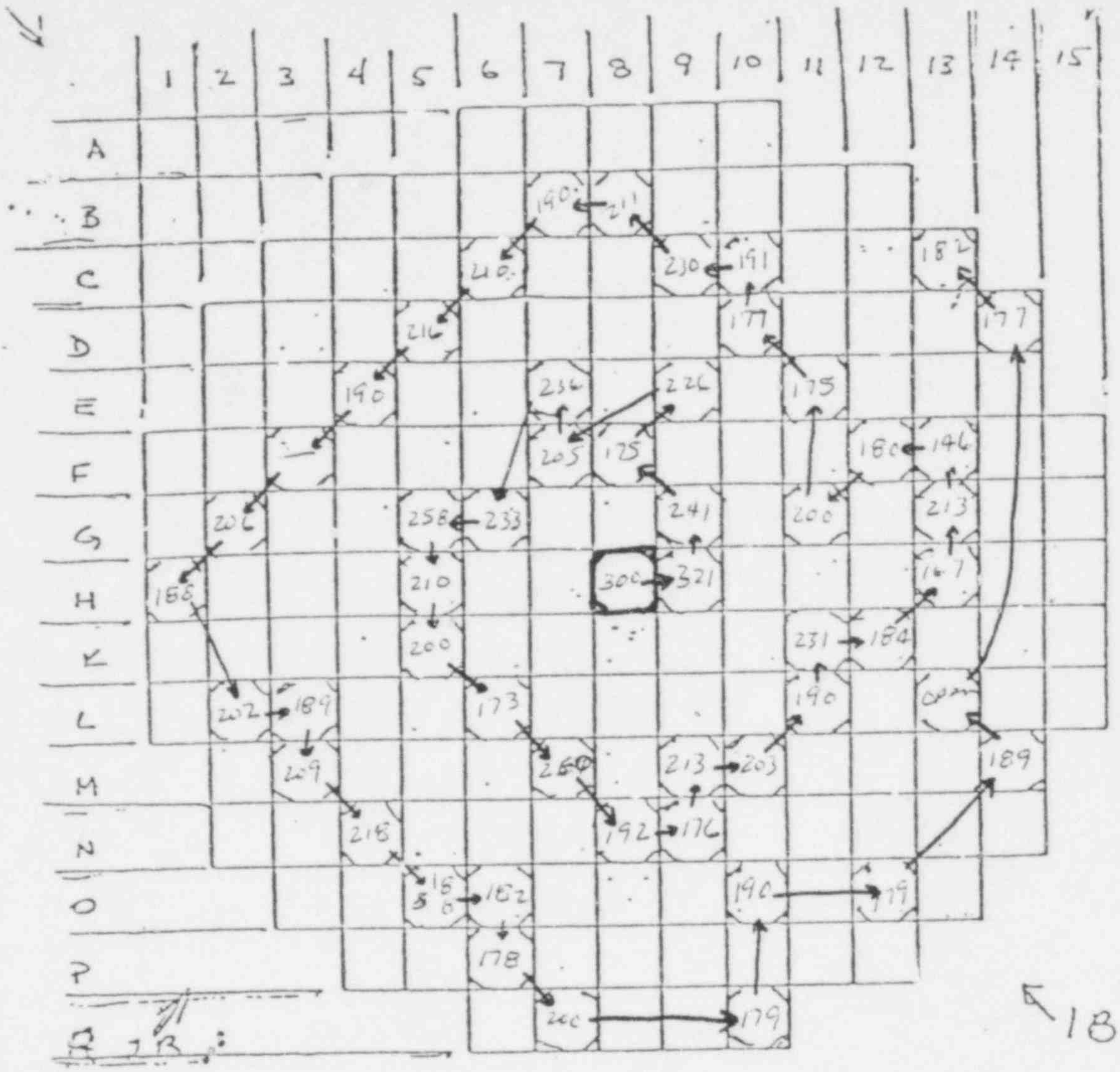
748 : 5.08×10^{-9} PART
2.34×10^{-7} I
5.01×10^{-3} GAS

Hydrogen Concentration ____

556014

CONTAINMENT:

Pressure 5 psig, Temperature ____ F



Date 4/29/79

Time 2000

Press. Pressure 868

$T_{A\,cold}$ inlet 166 $T_{A\,hot}$ 180 ΔT = 14

$T_{B\,cold}$ inlet 140 $T_{B\,hot}$ 182 ΔT = 42

T pressure 538

L pressurizer 272

Press SGA 165

Press SGB 140

Letdown Flow ____

B out WIND - 8 mph @ 270

(3240) - 13

219: 8.26×10^{-11} PART.

1.04×10^{-8} I

3.83×10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTA
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U

FIGURE

748: 5.04×10^{-9} PART

3.05×10^{-7} I

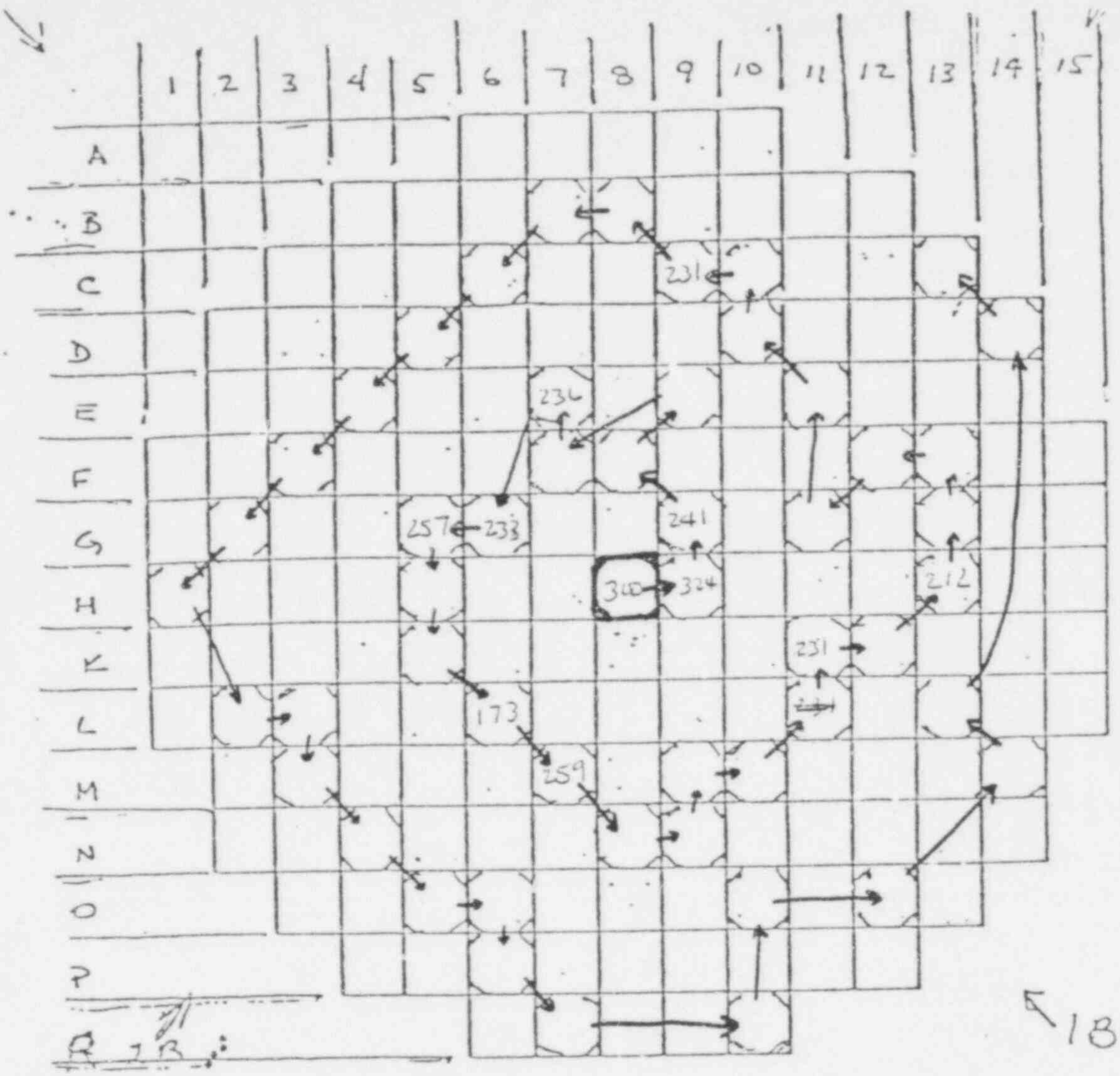
5.26×10^{-3} GAS

Hydrogen Concentration ____

556015

CONTAINMENT:

Pressure -1 psig, Temperature ____ F



LOCATION OF FUEL ASSEMBLIES CONTA
BURNABLE POISON RODS
THREE MILE ISLAND NUCLEAR STATION U
FIGURE

Date 4/29/79
Time 1900
Press. Pressure 868

TA_{cold} inlet 166 $T_{A_{hot}}$ 180 ΔT = 14
TB_{cold} inlet 140 $T_{B_{hot}}$ 183 ΔT = 43
T pressure 537
L pressurizer 286
Press SGA 165
Press SGB 140
Letdown Flow ___

B out

WIND - ___ mph @ 285°
(3240) - ...12

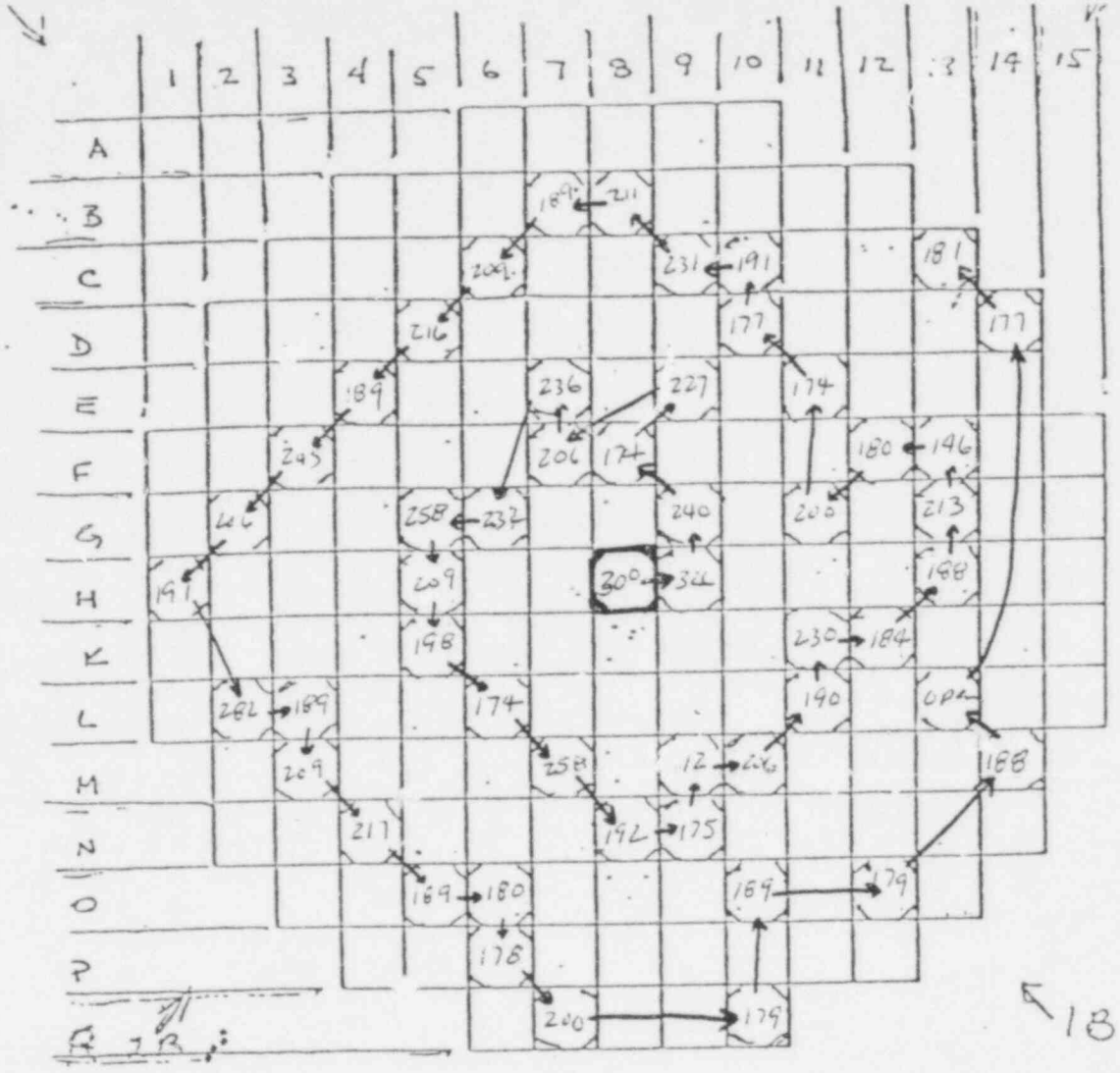
219 : 4.25×10^{-10} PART.
9.79×10^{-9} I
3.88×10^{-5} GAS

740 : 1.37×10^{-8} PART
3.79×10^{-7} I
4.5×10^{-3} GAS

Hydrogen Concentration ___

556016

CONTAINMENT:
Pressure ___5___ psig, Temperature ______ F



Date 4/29/79

Time 1800

Press. Pressure 865

$T_{A\ inlet\ cold}$ 166 $T_{A\ hot}$ 179 ΔT = 13

$T_{B\ inlet\ cold}$ 141 $T_{B\ hot}$ 183 ΔT = 42

T pressure 537

L Pressurizer ____

Press SGA 165

Press SGB 140

Letdown Flow ____

B out WIND - 2 mph @ 270°

(3240) - [illegible]12

219 : 2.03 x 10^{-10} PART.

7.39 x 10^{-9} I

4.09 x 10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U

FIGURE

748 : 1.04 x 10^{-8} PART

3.40 x 10^{-7} I

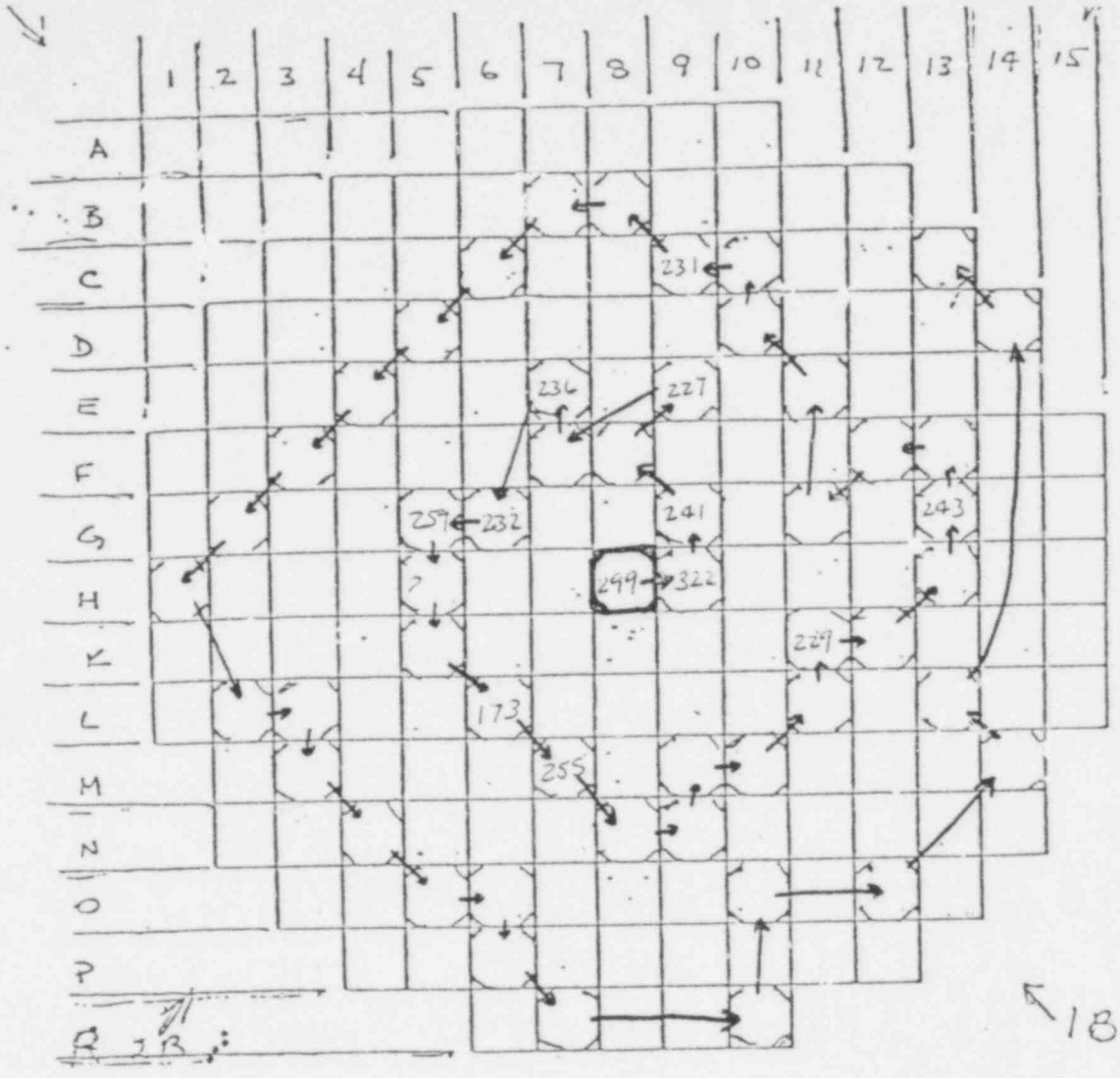
4.89 x 10^{-3} GAS

Hydrogen Concentration ____

556017

CONTAINMENT:

Pressure 6 psig, Temperature ____ F



Date 4/29/79

Time 1700

Press. Pressure 868

$T_{A\,inlet}$ 166 $T_{A\,hot}$ 179 ΔT = 13

$T_{B\,inlet}$ 141 $T_{B\,hot}$ 183 ΔT = 42

T Pressure 537

L Pressurizer 294

Press SGA 165

Press SGB 141

Letdown Flow ___

B out

WIND · 4 mph @ 250°

(3240) - 12

219 : 8.89 x 10^{-11} PART.
1.11 x 10^{-8} I
4.69 x 10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTA
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U

FIGURE

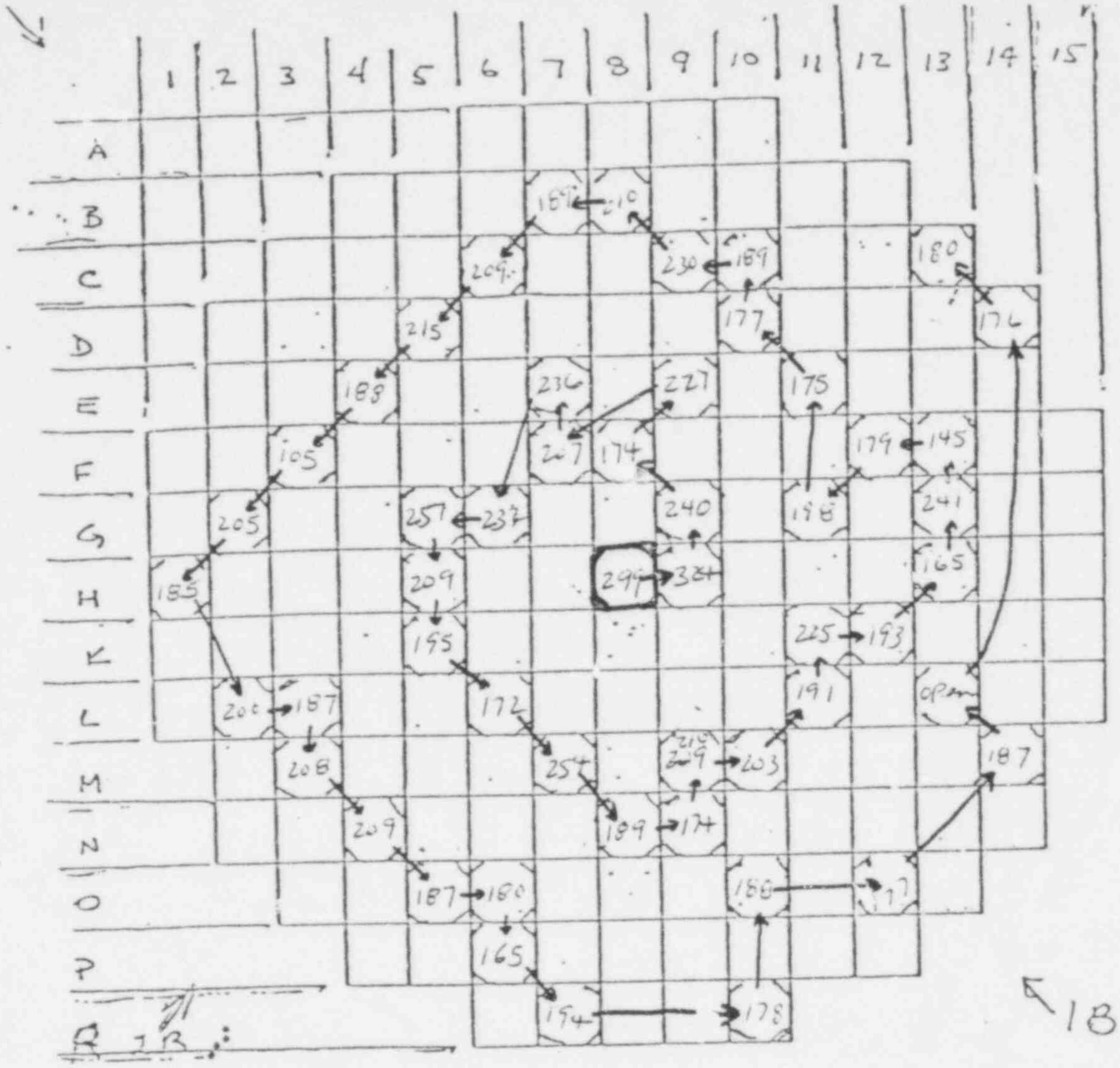
748 : 2.50 x 10^{-9} PART
3.94 x 10^{-7} I
4.99 x 10^{-3} GAS

Hydrogen Concentration ___

556018

CONTAINMENT:

Pressure: -6 psig, Temperature ___ F



Date 4/29/79

Time 1600

Press. Pressure 885

$T_{A\,cold}$ inlet 165 $T_{A\,hot}$ 179 ΔT = 14

$T_{B\,cold}$ inlet 141 $T_{B\,hot}$ 184 ΔT = 43

T pressure 540

L Pressurizer ____

Press SGA ~~144~~ 165 ~~A 141~~

Press SGB ~~163~~ 141 ~~B 165~~

Letdown Flow ____

B out

WIND - 23 mph @ 270°

(3240) -

219 : 4.07 x 10^{-7} PART.

2.15 x 10^{-8} I

9.57 x 10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAI[NING] BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U[NIT]

FIGURE

748 : x10 PART

x10 I

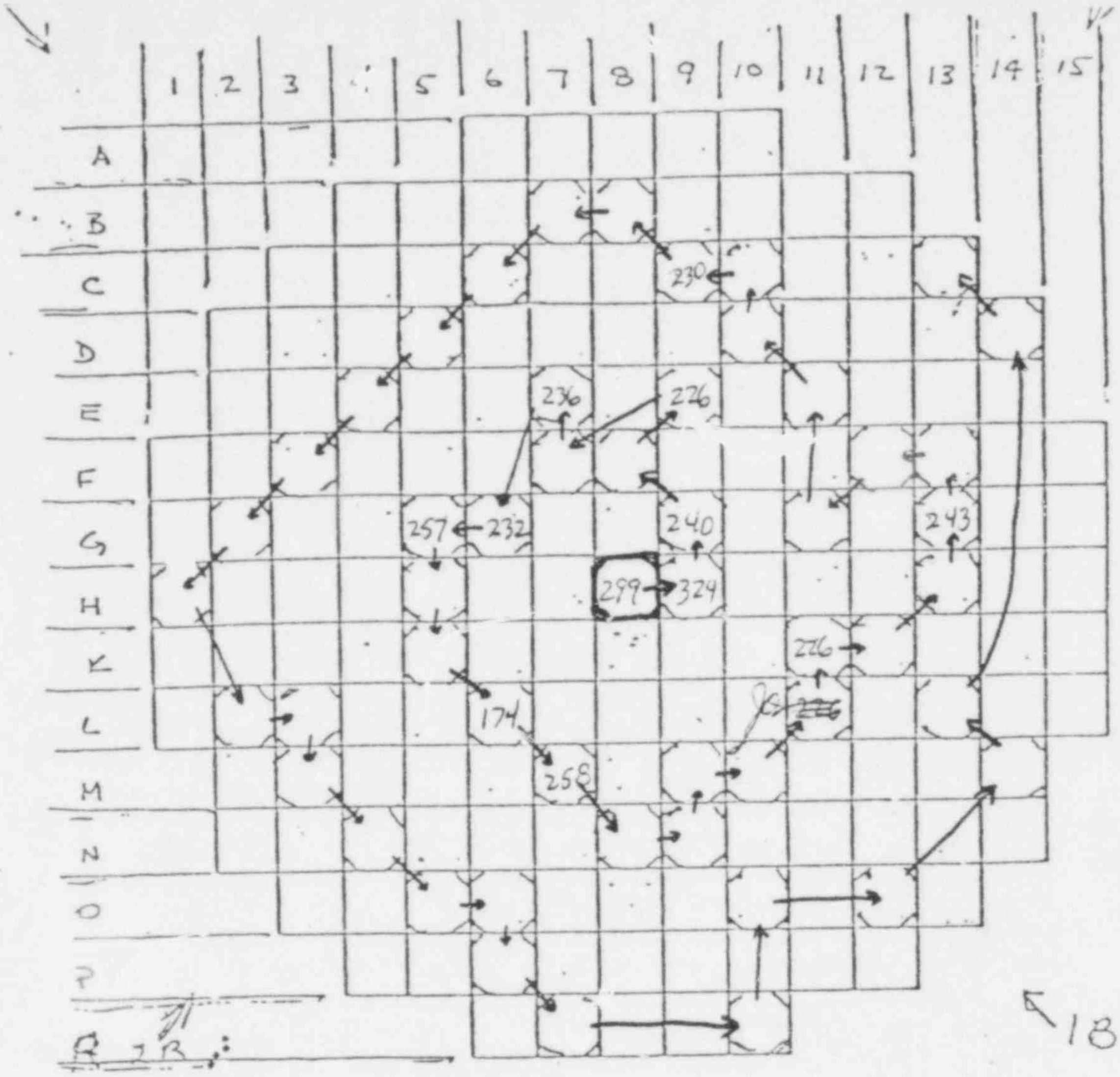
x10 GAS

Hydrogen Concentration ____

556019

CONTAINMENT:

Pressure - 7 psig, Temperature ____ F



Date 4/29/79

Time 1500

Press. Pressure 891

$T_{A_{cold}}$ inlet 166 $T_{A_{hot}}$ 180 ΔT = 14

$T_{B_{cold}}$ inlet 142 $T_{B_{hot}}$ 184 ΔT = 42

T pressure 541

L pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

Steam Gen. Temp:
A 165
B 141

B out

WIND - __ mph @ __°

(3240) -

219: x 10⁻ PART.
x 10⁻ I
x 10⁻ GAS

LOCATION OF FUEL ASSEMBLIES CONTA
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U

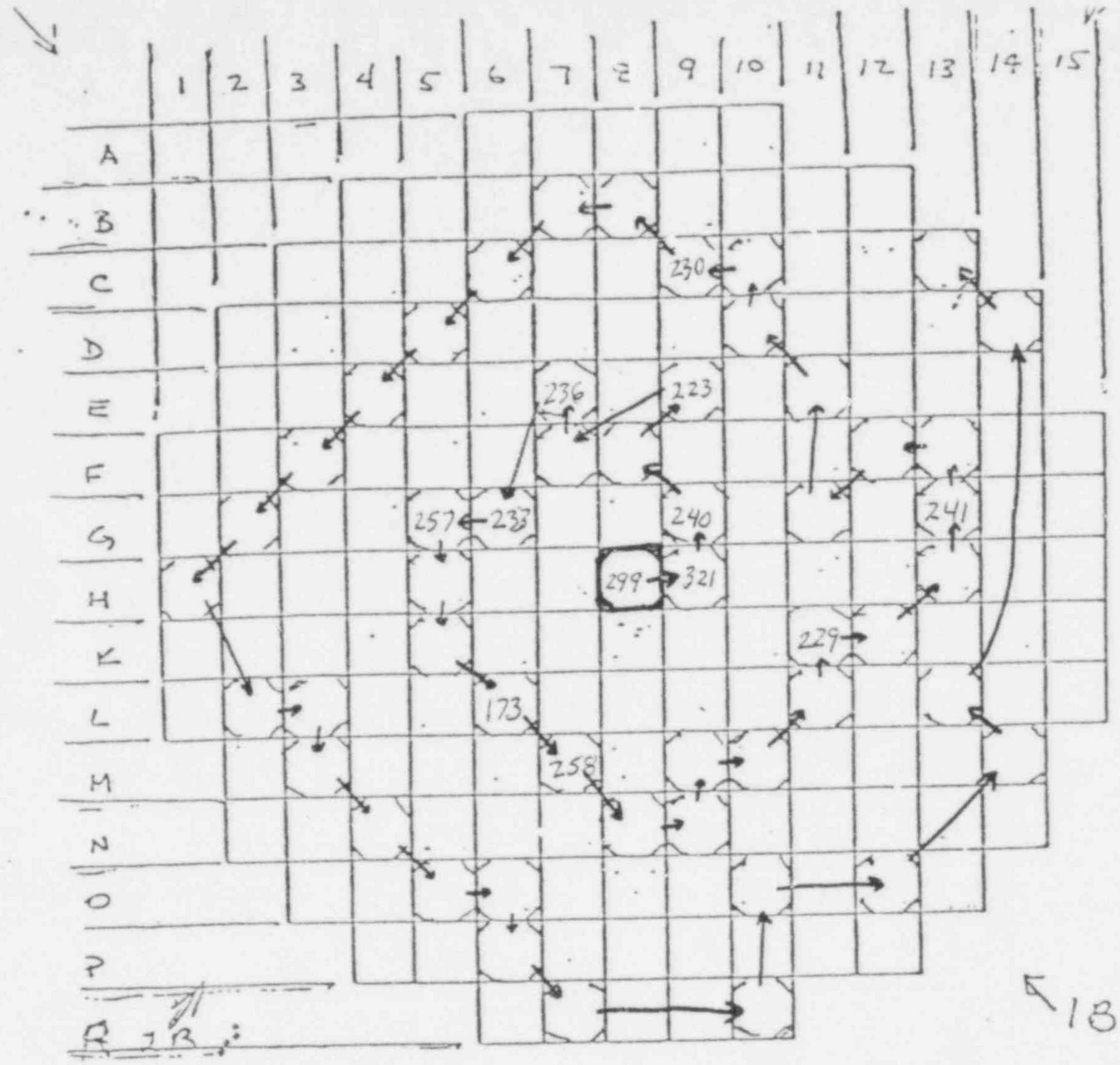
FIGURE

748: x 10⁻ PART
x 10⁻ I
x 10⁻ GAS

Hydrogen Concentration ____

556020

CONTAINMENT:
Pressure: -0.7 psig, Temperature ____ F



Date 4/29/79
Time 1400
Press. Pressure 890

T_{A} cold inlet 166 $T_{A\,hot}$ 179 ΔT = 13
T_{B} cold inlet 142 $T_{B\,hot}$ 184 ΔT = 42
T pressure 540
L pressurizer ______
Press SGA ______
Press SGB ______
Letdown Flow ______

Steam Gen. Temp
A 165
B 142

B out

WIND- ___ mph @ ___°
(3240)-

219: x10 PART.
x10 I
x10 GAS

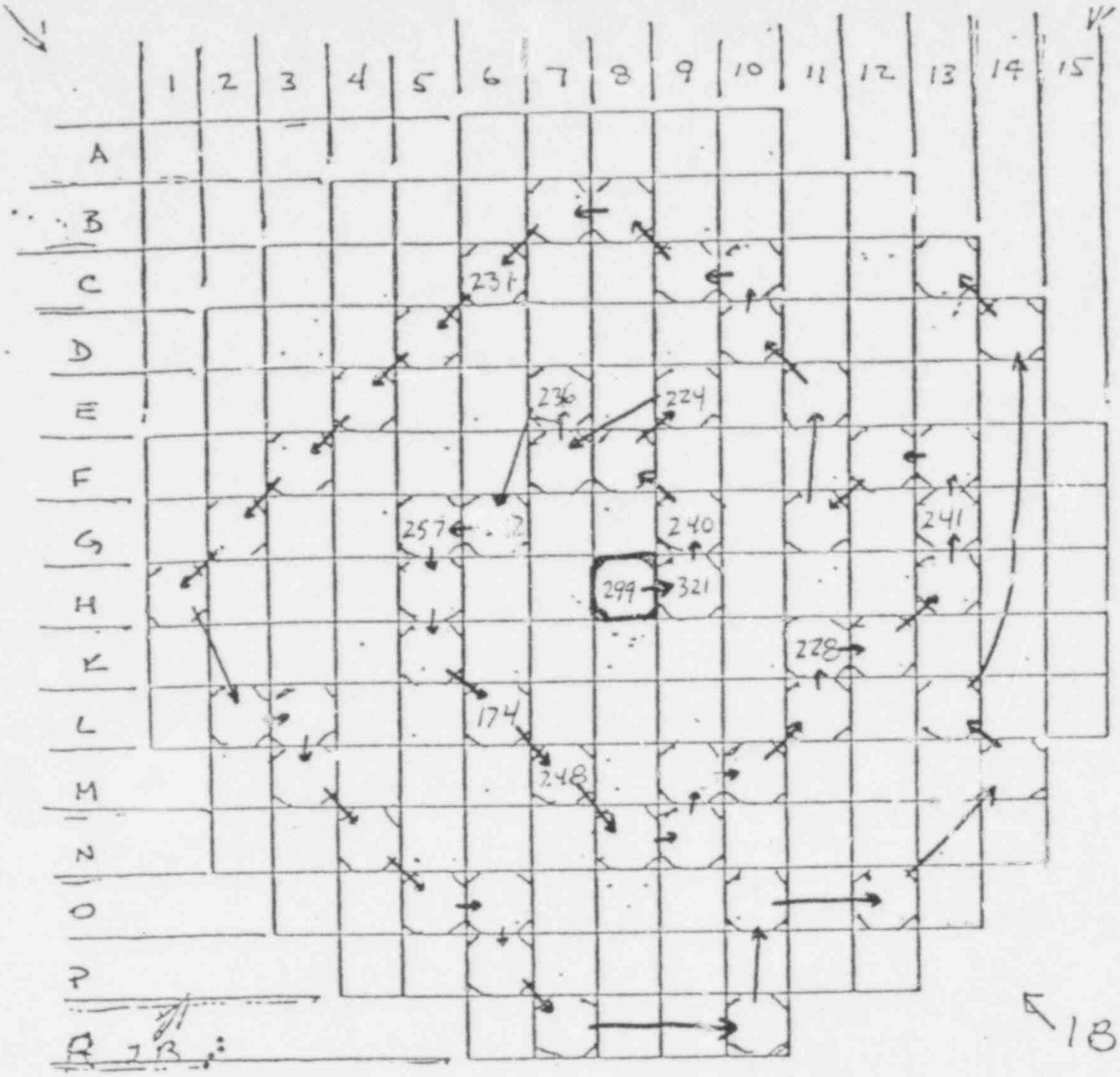
LOCATION OF FUEL ASSEMBLIES CONTA
BURNABLE POISON RODS
THREE MILE ISLAND NUCLEAR STATION U
FIGURE

748: x10 PART
x10 I
x10 GAS

Hydrogen Concentration ______

558021

CONTAINMENT:
Pressure: -0.7 psig, Temperature ______ F



Date 4/29/79

Time 1300

Press. Pressure 880

$T_{A\ cold}$ inlet 165 $T_{A\ hot}$ 179 ΔT = 14

$T_{B\ cold}$ inlet 142 $T_{B\ hot}$ 185 ΔT = 43

T pressure 540

L Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

Steam Gen Temp

A 166

B 142

B out

WIND - __ mph @ __°

(3240) -

219 : x 10 PART.

x 10 I

x 10 GAS

LOCATION OF FUEL ASSEMBLIES CONTAI[NING]
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U[NIT]

FIGURE

748 : x 10 PART

x 10 I

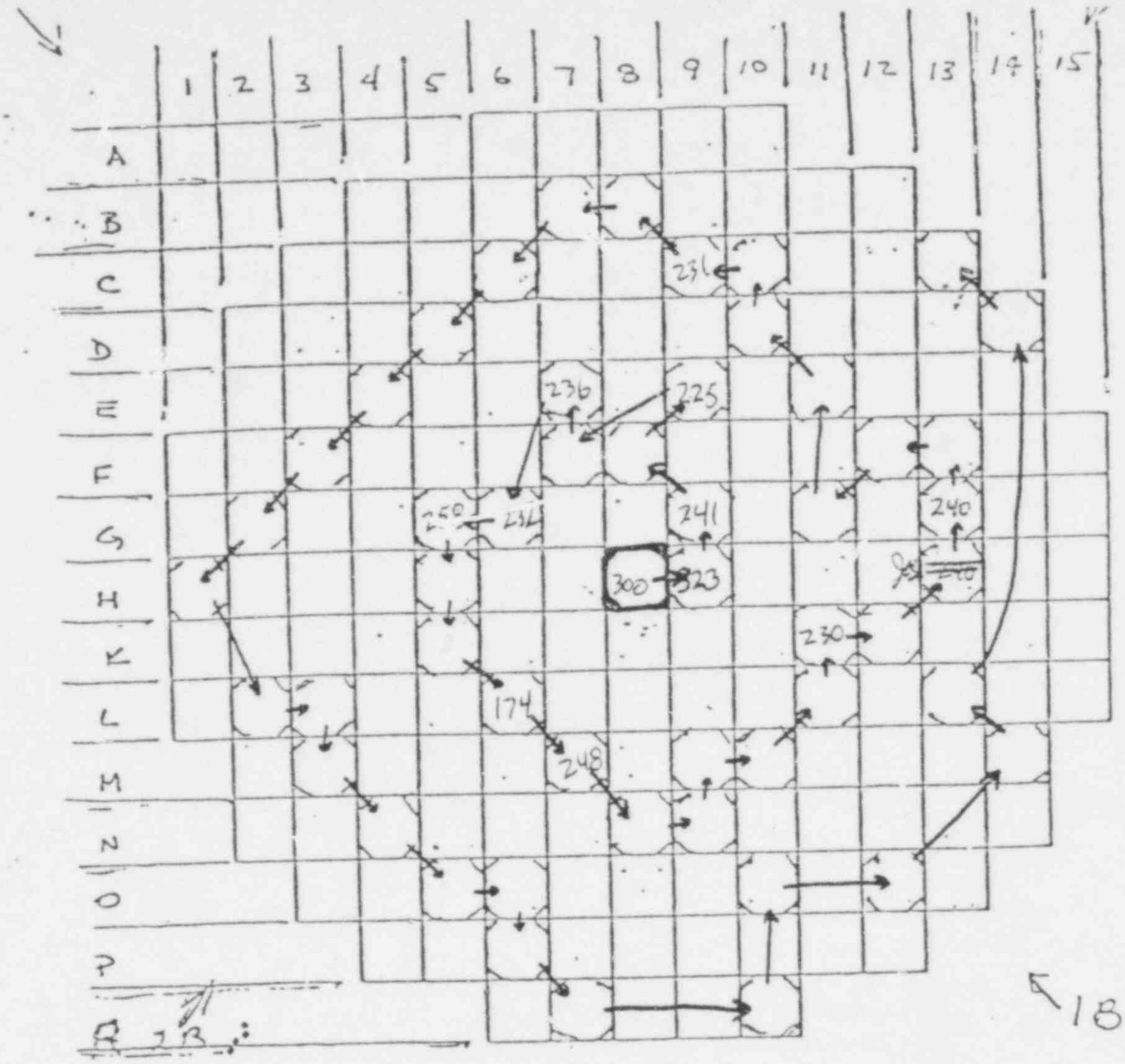
x 10 GAS

Hydrogen Concentration ____

556022

CONTAINMENT:

Pressure: -0.7 psig, Temperature ____ F



Date 4/29/79

Time 1200

Press. Pressure 913

$T_{A\,cold}$ inlet 165 $T_{A\,hot}$ 180 $\Delta T = 15$

$T_{B\,cold}$ inlet 142 $T_{B\,hot}$ 185 $\Delta T = 43$

T pressure 542

L pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

Steam Gen. Temp:

A 166

B 143

B out

WIND - __ mph @ __ °

B (3240) -

219: x 10⁻ PART.

x 10⁻ I

x 10⁻ GAS

LOCATION OF FUEL ASSEMBLIES CONTA
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U

FIGURE

748: x 10⁻ PART

x 10⁻ I

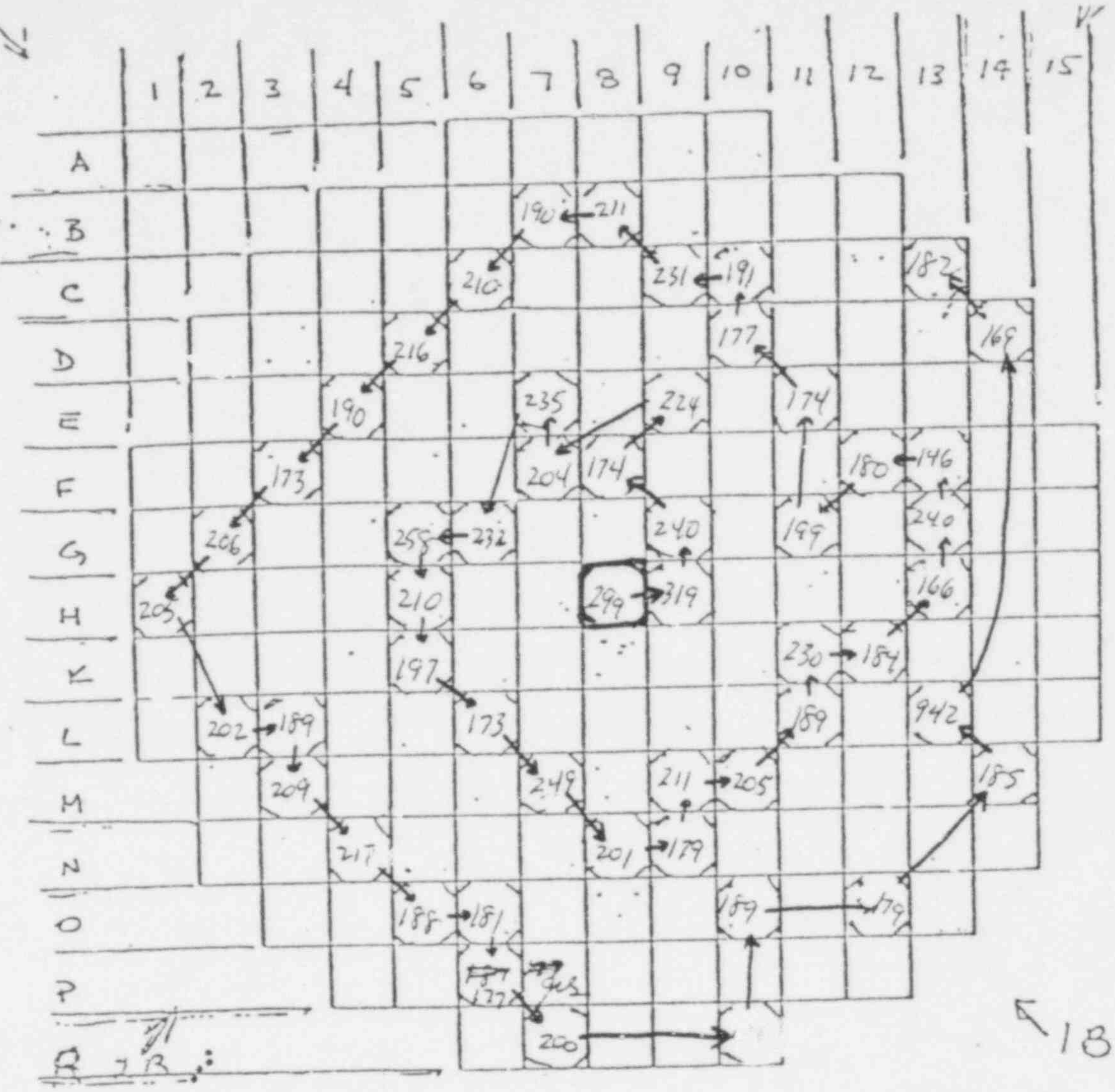
x 10⁻ GAS

Hydrogen Concentration ____

556023

CONTAINMENT:

Pressure: -0.8 psig, Temperature ____ F



Date 4/29/79

Time 1100

Press. Pressure 903

$T_{A_{cold}}$ inlet 167 $T_{A_{hot}}$ 180 $\Delta T = 13$

$T_{B_{cold}}$ inlet 143 $T_{B_{hot}}$ 186 $\Delta T = 43$

T pressure 541

L pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

Steam Gen Temp.

A 166

B 143

B out

WIND. __ mph @ __°

(3240)

219: x 10 PART.

x 10 I

x 10 GAS

LOCATION OF FUEL ASSEMBLIES CONTAI

BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U

FIGURE

748: x 10 PART

x 10 I

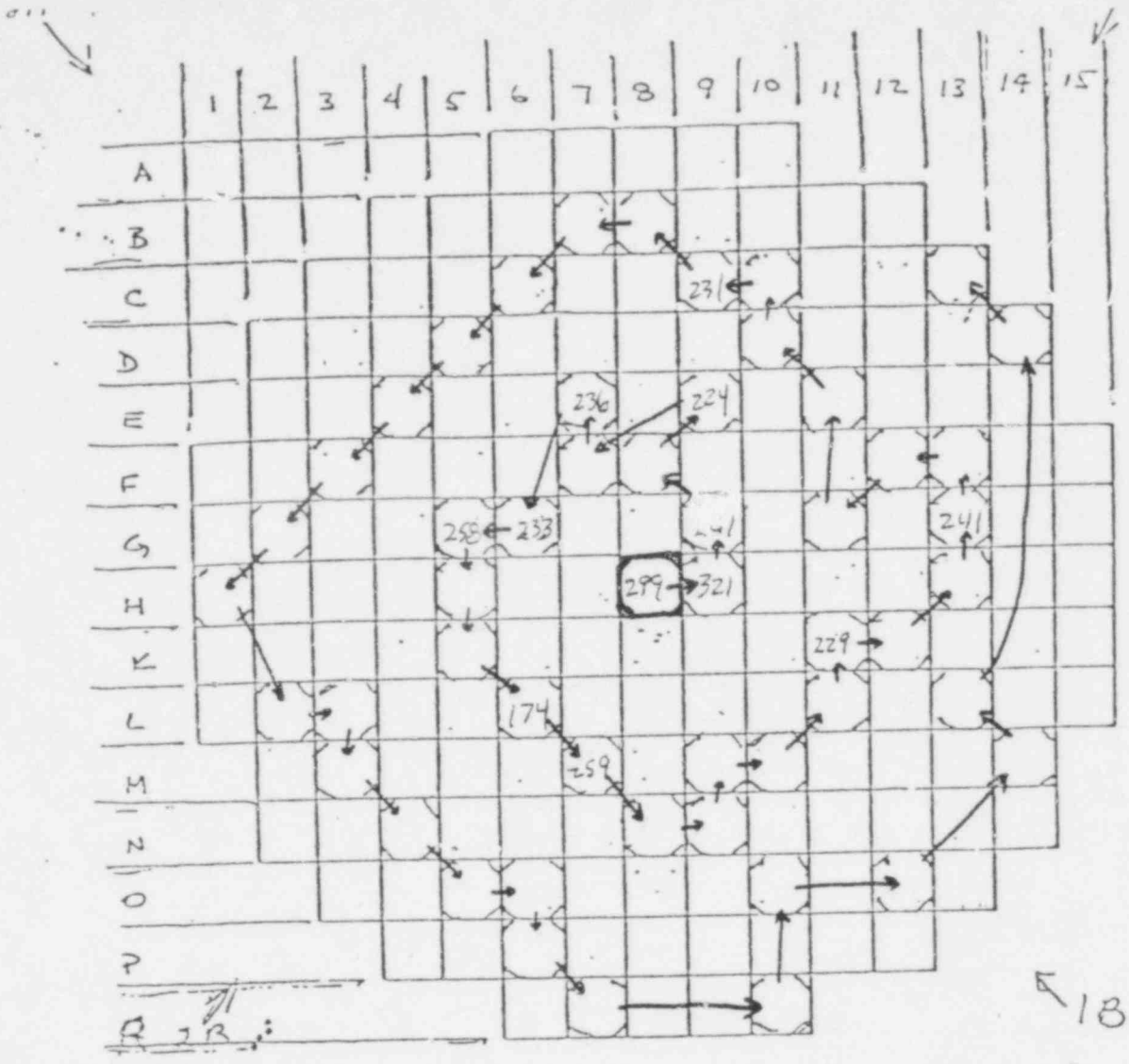
x 10 GAS

Hydrogen Concentration ____

556924

CONTAINMENT:

Pressure: -0.8 psig, Temperature ____ F



Date 4/29/79

Time 1000

Press. Pressure 905

$T_{A\,cold}$ inlet 167 $T_{A\,hot}$ 180 $\Delta T = 13$

$T_{B\,cold}$ inlet 143 $T_{B\,hot}$ 186 $\Delta T = 43$

T pressure 543

L Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

Steam Gen Temp

A 166

B 143

B out WIND ___ mph @ ___°

(3240) - ...

219: 5.18 x 10^{-10} PART.

1.09 x 10^{-8} I

3.96 x 10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U

FIGURE

748: x 10^{-} PART

x 10^{-} I

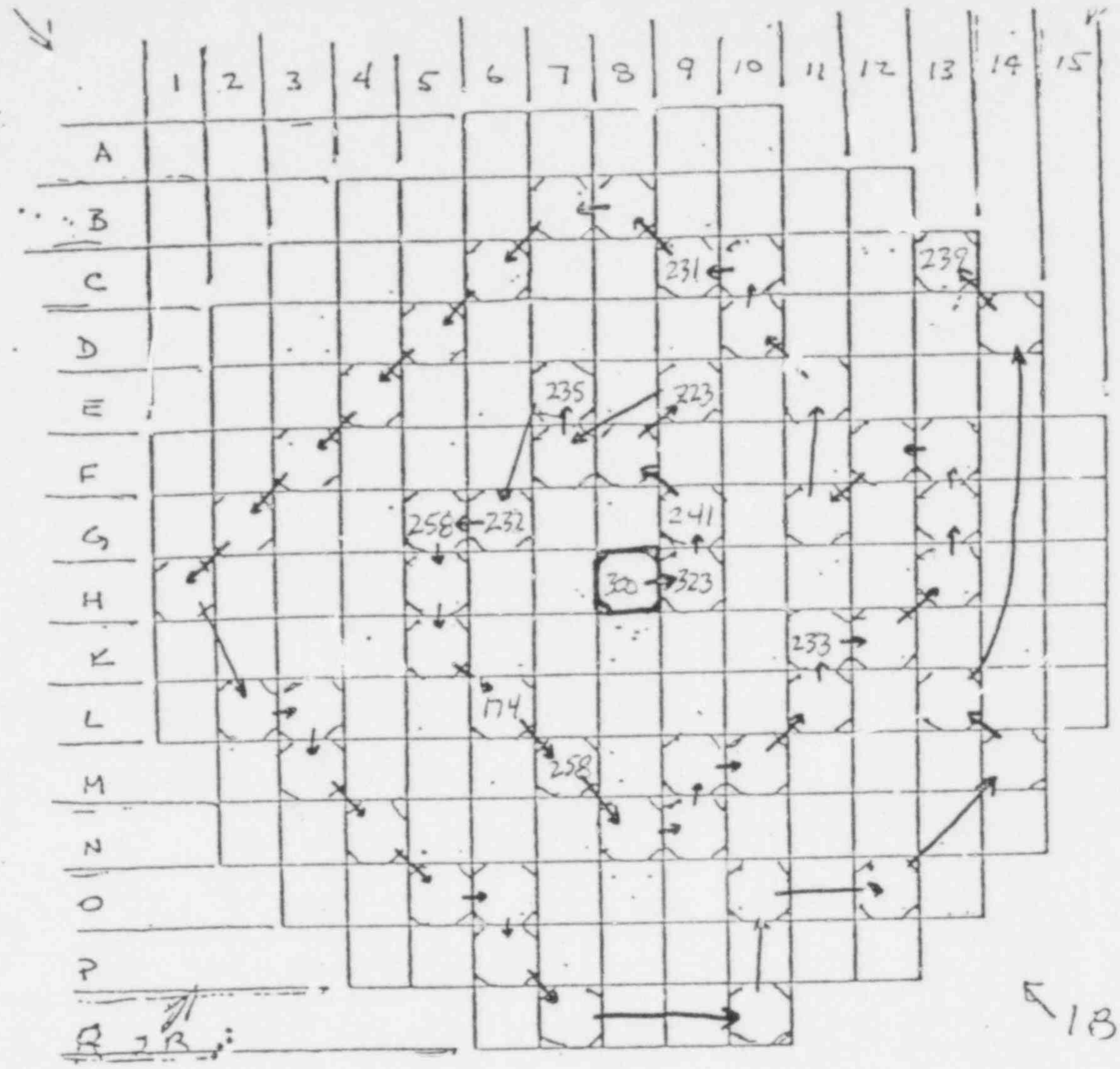
x 10^{-} GAS

Hydrogen Concentration ____

556025

CONTAINMENT:

Pressure: -0.8 psig, Temperature ____ F



Date 4/29/79

Time 0900

Press.
Pressure 910

$T_{A_{cold}}$ inlet 165 $T_{A_{Hot}}$ 180 ΔT = 15

$T_{B_{cold}}$ inlet 143 $T_{B_{Hot}}$ 187 ΔT = 44

T pressure 543

L pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

Steam Gen Temp

A 166

B 144

B out WIND - ___ mph @ ___°

(3240) -

219: × 10 PART.

× 10 I

× 10 GAS

LOCATION OF FUEL ASSEMBLIES CONTAI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION U

FIGURE

748: × 10 PART

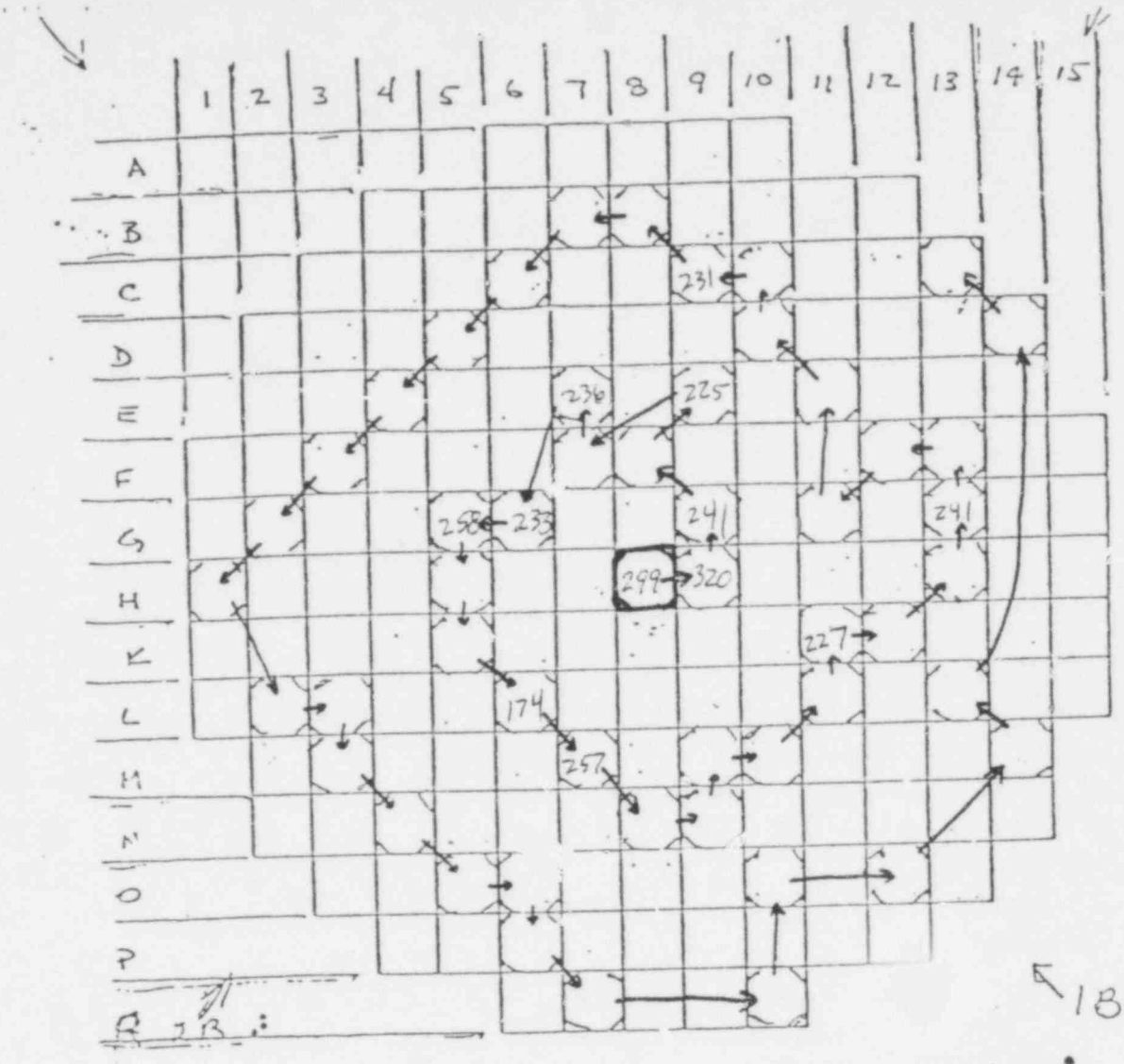
× 10 I

× 10 GAS

Hydrogen Concentration ____

556026

CONTAINMENT:
Pressure -0.8 psig, Temperature ____ F



Date 4/29/79
Time 0800
Press. Pressure 916

$T_{A\ inlet}$ 165 $T_{A\ hot}$ 180 ΔT = 15
$T_{B\ inlet}$ 143 $T_{B\ hot}$ 187 ΔT = 44
Pressure 544

Pressurizer ____
Press SGA ____
Press SGB ____
Letdown Flow ____

Steam Gen Temp
A 166
B 144

B out

WIND ___ MPH @ ___°

(3240) -

219 : 3.86 x 10^{-11} PART.
5.62 x 10^{-9} I
3.80 x 10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

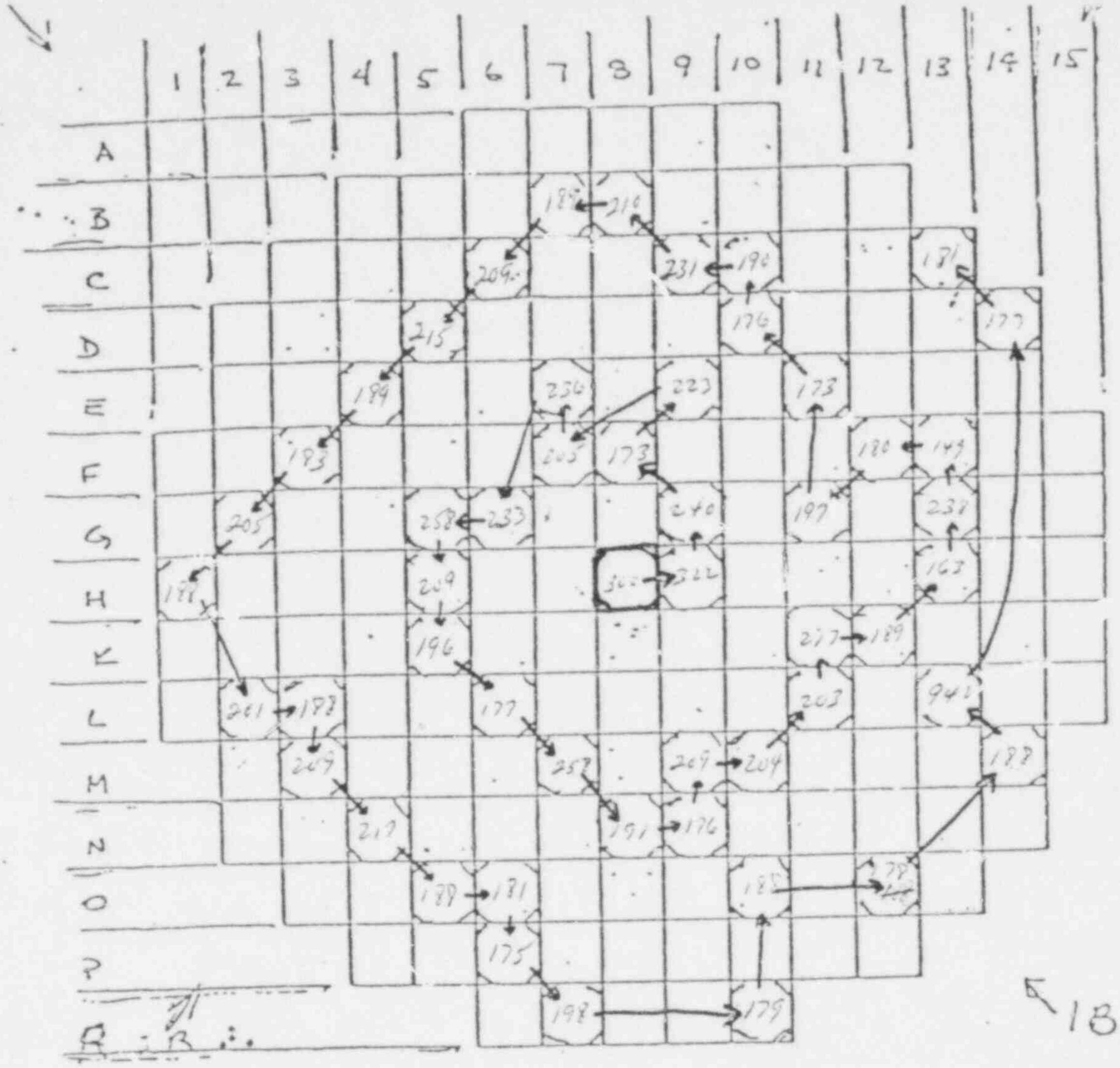
FIGURE 4

748 : 3.58 x 10^{-9} PART
2.12 x 10^{-7} I
5.07 x 10^{-3} GAS

Hydrogen Concentration ____

556027

CONTAINMENT:
Pressure 0.8 psig, Temperature ____ F



Date 4/2?

Time 0700

...ess. Pressure 928

A inlet (cold) 165 — $T_{A_{hot}}$ 180 — $\Delta T = 15$

B inlet (cold) 144 — $T_{B_{hot}}$ 187 — $\Delta T = 43$

Pressure 545

Pressurizer ____

Press SGA ____

Press SGB ____

...flow Flow ____

$T_{B\,stm}$ 144

$T_{A\,st}$ 186

B out

WIND - 15 mph @ 315°

(3240) - 13 mr/hr

219 : -1.55×10^{-10} PART.

6.21×10^{-10} I

3.84×10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

Met Ed

FIGURE 4.

748 : -7.88×10^{-9} PART

2.36×10^{-7} I

4.94×10^{-3} GAS

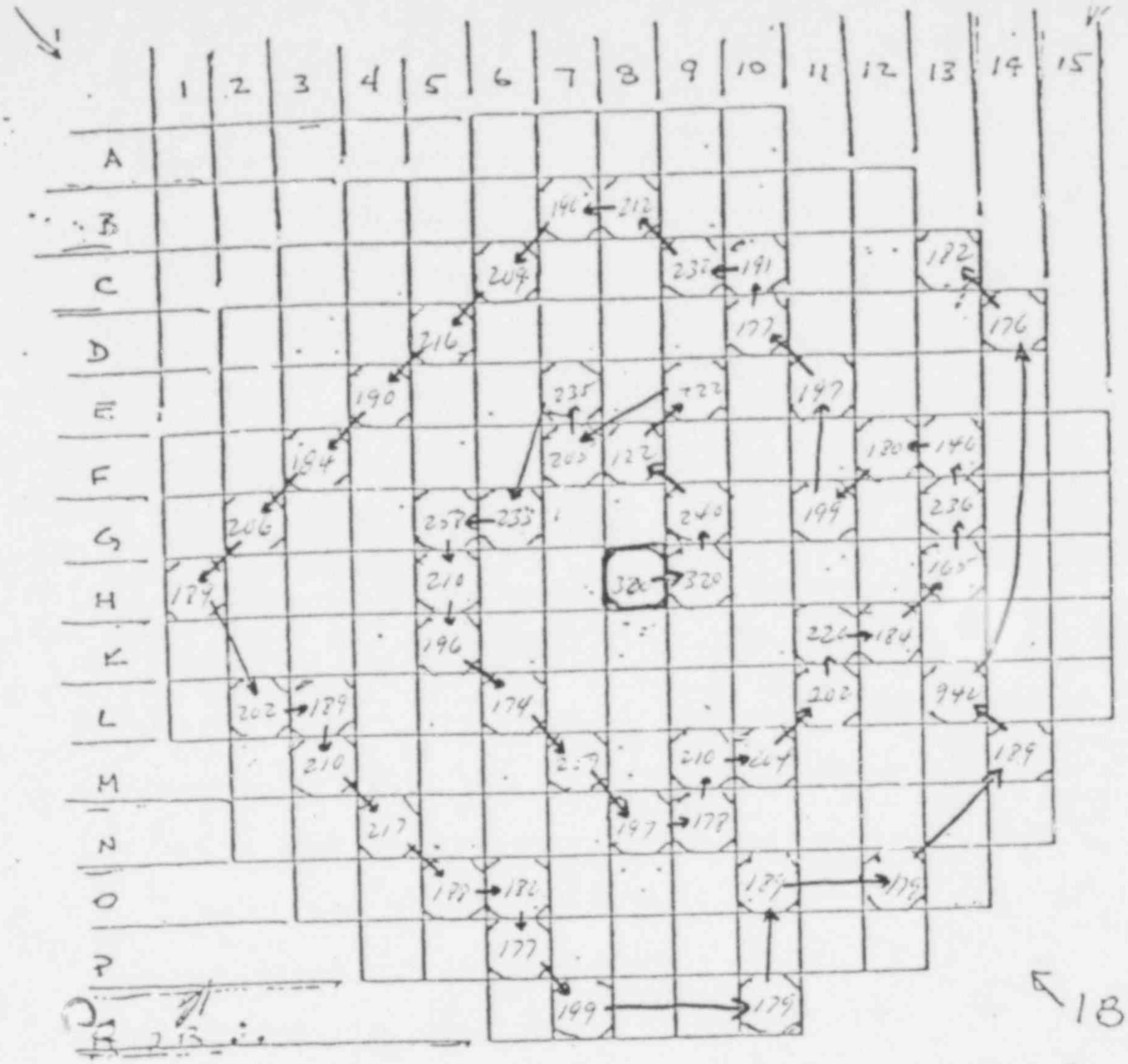
Hydrogen Concentration ____ ?

556028

CONTAINMENT:

Pressure: -.69 psig, Temperature ____ F

POOR ORIGINAL



Date 4/29

Time 0500

RCS. Pressure 925

A inlet (cold) 166 $T_{A_{hot}}$ 180 $\Delta T = 14$

B inlet (cold) 144 $T_{B_{hot}}$ 188 $\Delta T = 44$

Pressure 545

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

$T_{A_{stm}}$ 166

$T_{B_{stm}}$ 144

B out WIND ___ mph @ ___°

(3240)-

219: x 10⁻ PART.

x 10⁻ I

x 10⁻ GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI[NG] BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI[T]

FIGURE 4.

748: x 10⁻ PART

x 10⁻ I

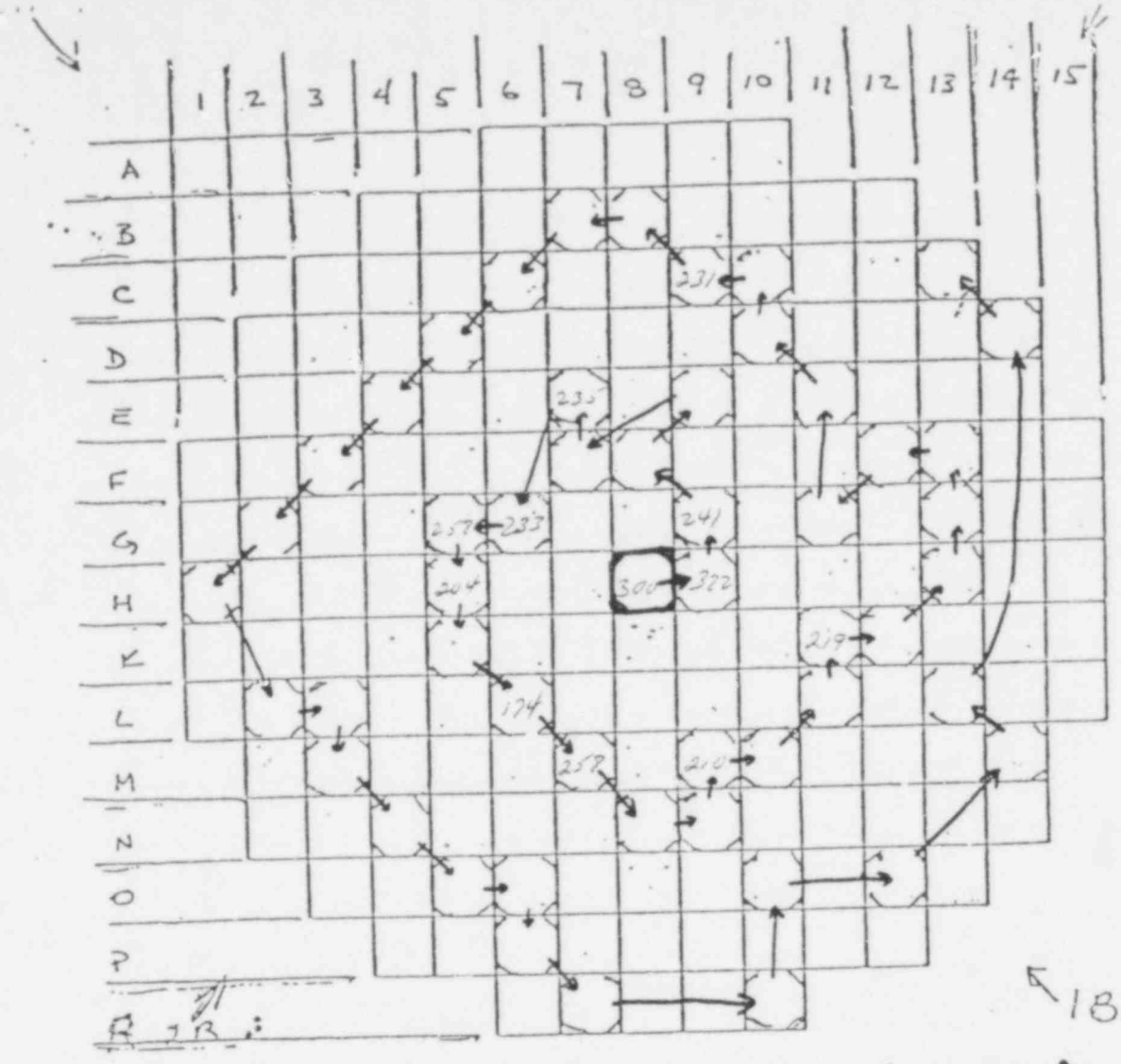
x 10⁻ GAS

Hydrogen Concentration ____

556029

CONTAINMENT:

Pressure -0.9 psig, Temperature ____ F



Date 4/29

Time 0400

Press. Pressure 423

$T_{A_{inlet}}$ 166 $T_{A_{hot}}$ 170 ΔT = 14

$T_{B_{inlet}}$ 144 $T_{B_{hot}}$ 189 ΔT = 45

Pressure 544

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____ T_A: 166 T_B: 145

B out 13 mr/hr

WIND - 15 mph @ 225°

(3240) - .14

219: 4.7 x 10^{-10} PART.
8.79 x 10^{-9} I
3.91 x 10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

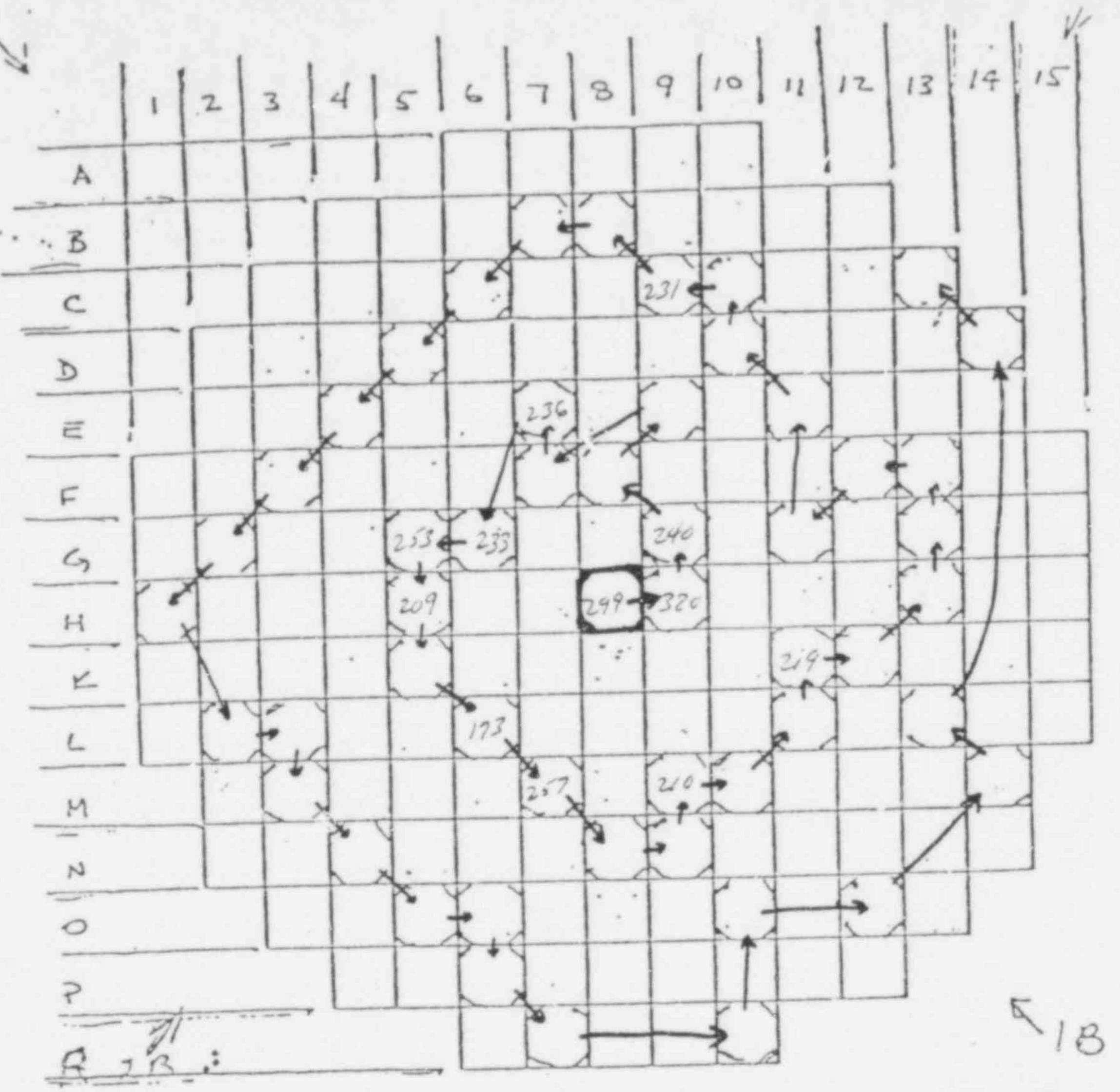
748: -6.17 x 10^{-9} PART
3.27 x 10^{-7} I
4.44 x 10^{-3} GAS

Hydrogen Concentration ____

556030

CONTAINMENT:

~~Pressure~~ -1.6 psig Temperature ____ F



Date 4/29
Time 0300
?ress. Pressure 922

A cold inlet 165 $T_{A\,hot}$ 180 ΔT = 15
B cold inlet 144 $T_{B\,hot}$ 189 ΔT = 45

Pressure 546

Pressurizer ____
Press SGA ____
Press SGB ____
?etdown Flow ____

(1230 Filter ?)

$T_{A\,stm}$ = 166
$T_{B\,stm}$ = 143

B out WIND - 10 mph @ 300°
(3240) - .14/13 FSB
219 : - 9.53 x 10^-11 PART.
6.35 x 10^-9 I
3.92 x 10^-5 GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

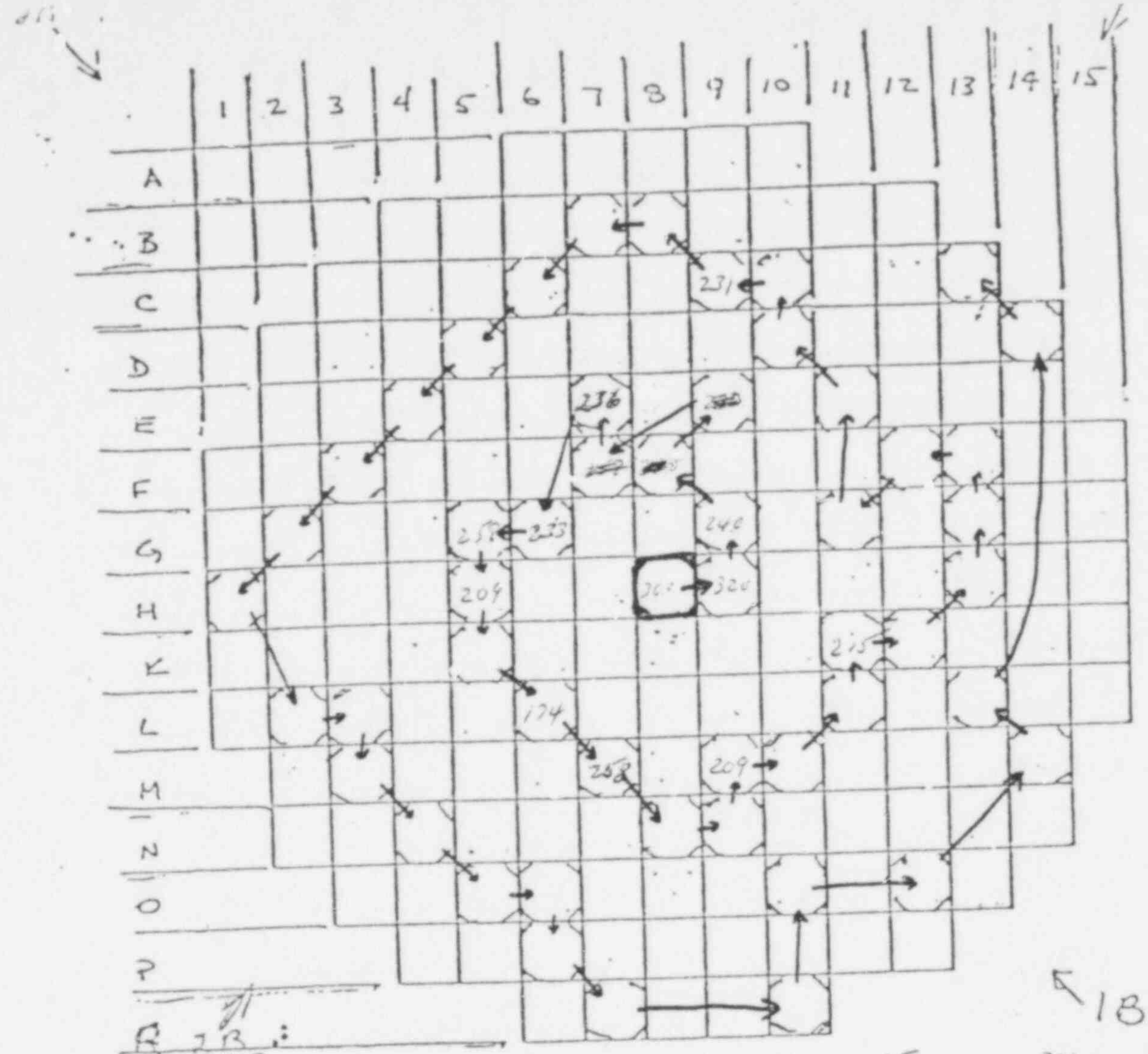
FIGURE 4

748 : 4.61 x 10^-9 PART
2.98 x 10^-7 I
3.75 x 10^-3 GAS

Hydrogen Concentration ____

556031

CONTAINMENT:
~~Pressure~~ -1.6 psig, Temperature ____ F



Date 4/29

Time 0100

Press. Pressure ~~545~~

A cold inlet 166 $T_{A\,hot}$ 180 ΔT = 14

B cold inlet 145 $T_{B\,hot}$ 190 ΔT = 45

Pressure 545

Pressurizer ___

Press SGA ___

Press SGB ___

Letdown Flow ___

B out WIND 15 mph @ 300°

(3240) -

219: 1.43 × 10^{-10} PART.

6.51 × 10^{-9} I

4.02 × 10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN[ING]
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UN[IT]

FIGURE 4

748: 8.32 × 10^{-9} PART

1.56 × 10^{-6} I

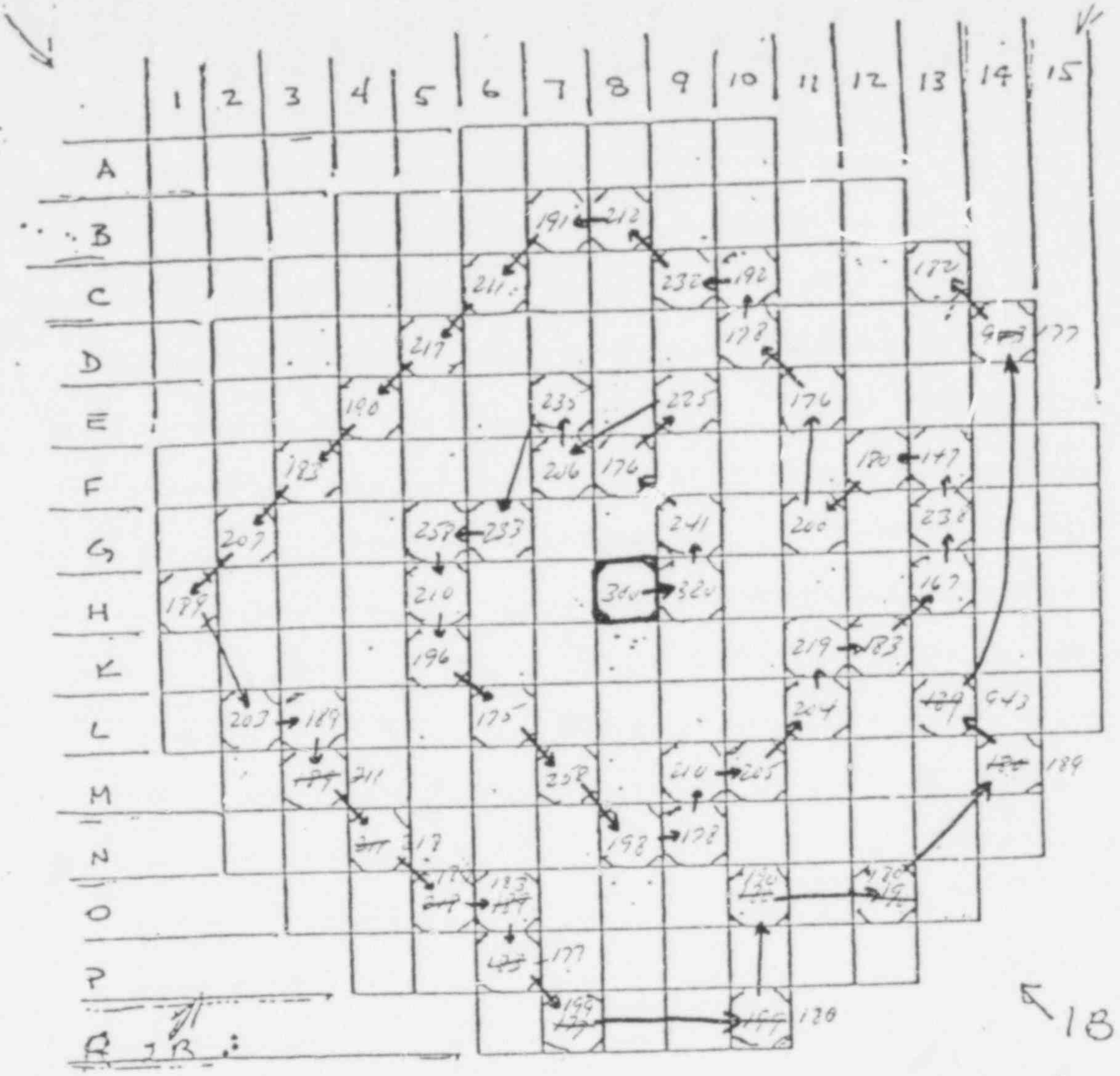
3.90 × 10^{-3} GAS

Hydrogen Concentration ___

556032

CONTAINMENT:

Pressure ___ psig, Temperature ___ F



Date 4/29

Time 0000

Press.
Pressure 913

A_{cold} inlet 166 $T_{A_{hot}}$ 181 $\Delta T = 15$

B_{cold} inlet 145 $T_{B_{hot}}$ 191 $\Delta T = 46$

Pressure 543

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

Tsteam A 146 °F

T B 167 °F

CONTAINMENT:

~~Pressure~~ ____ psig, Temperature ____ F

B out WIND ____ mph @ ____°

S

(3240) -

219: x 10 PART.

x 10 I

x 10 GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UN

FIGURE 4

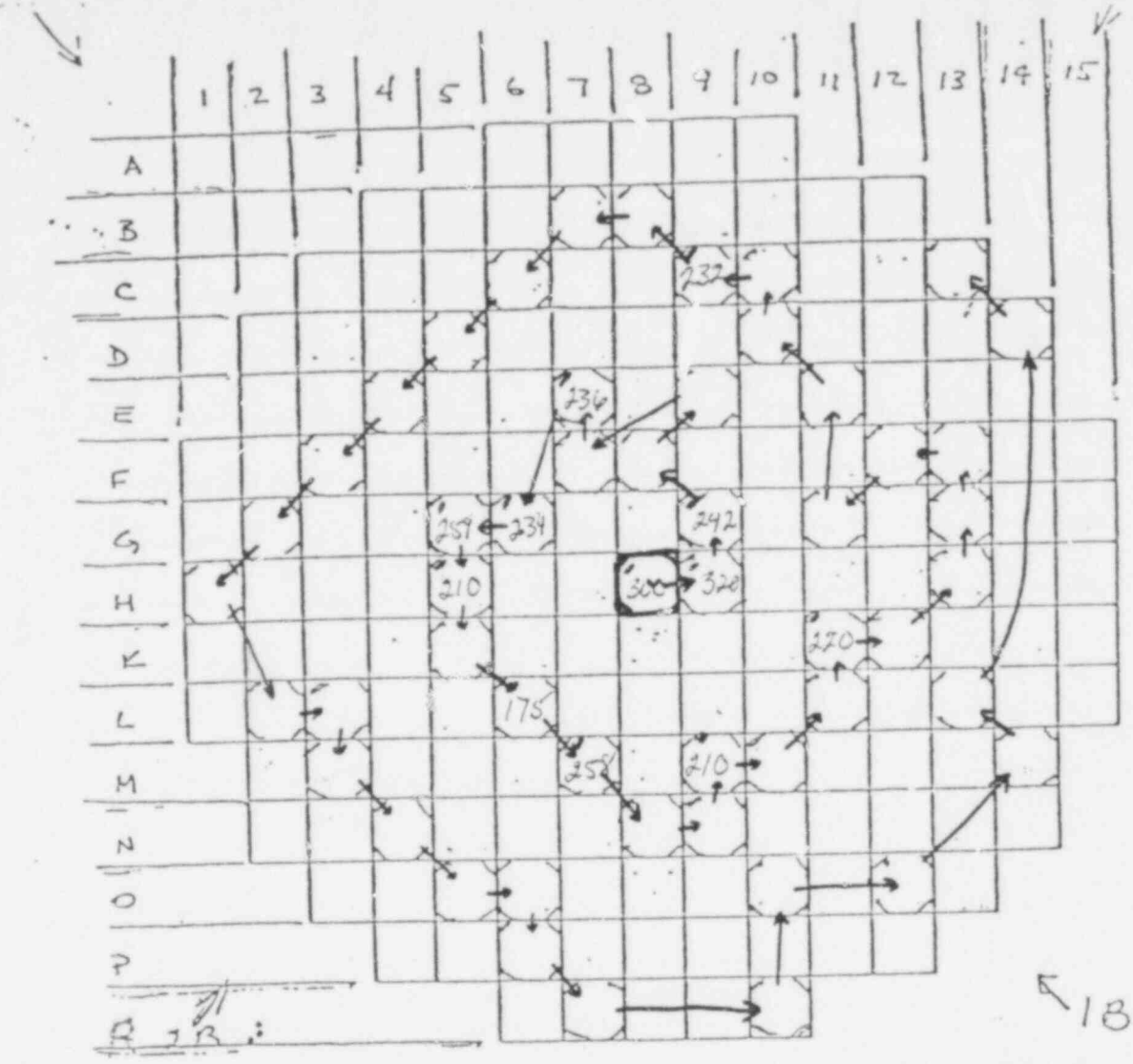
748: x 10 PART

x 10 I

x 10 GAS

Hydrogen Concentration ____

556033



Date 4/28/79

Time 2300

Press. Pressure 708

$T_{A\ inlet}$ 166 $T_{A\ HOT}$ 181 $\Delta T = 15$

$T_{B\ inlet}$ 146 $T_{B\ HOT}$ 191 $\Delta T = 45$

Pressure 543

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

Tsilicon A 147

Tsilicon B 168

B out

WIND - 12 mph @ 300°

(3240) - 14/12

219: 5.40×10^{-11} PART.

4.15×10^{-9} I

4.25×10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UN

FIGURE 4

748: 5.84×10^{-9} PART

2.82×10^{-7} I

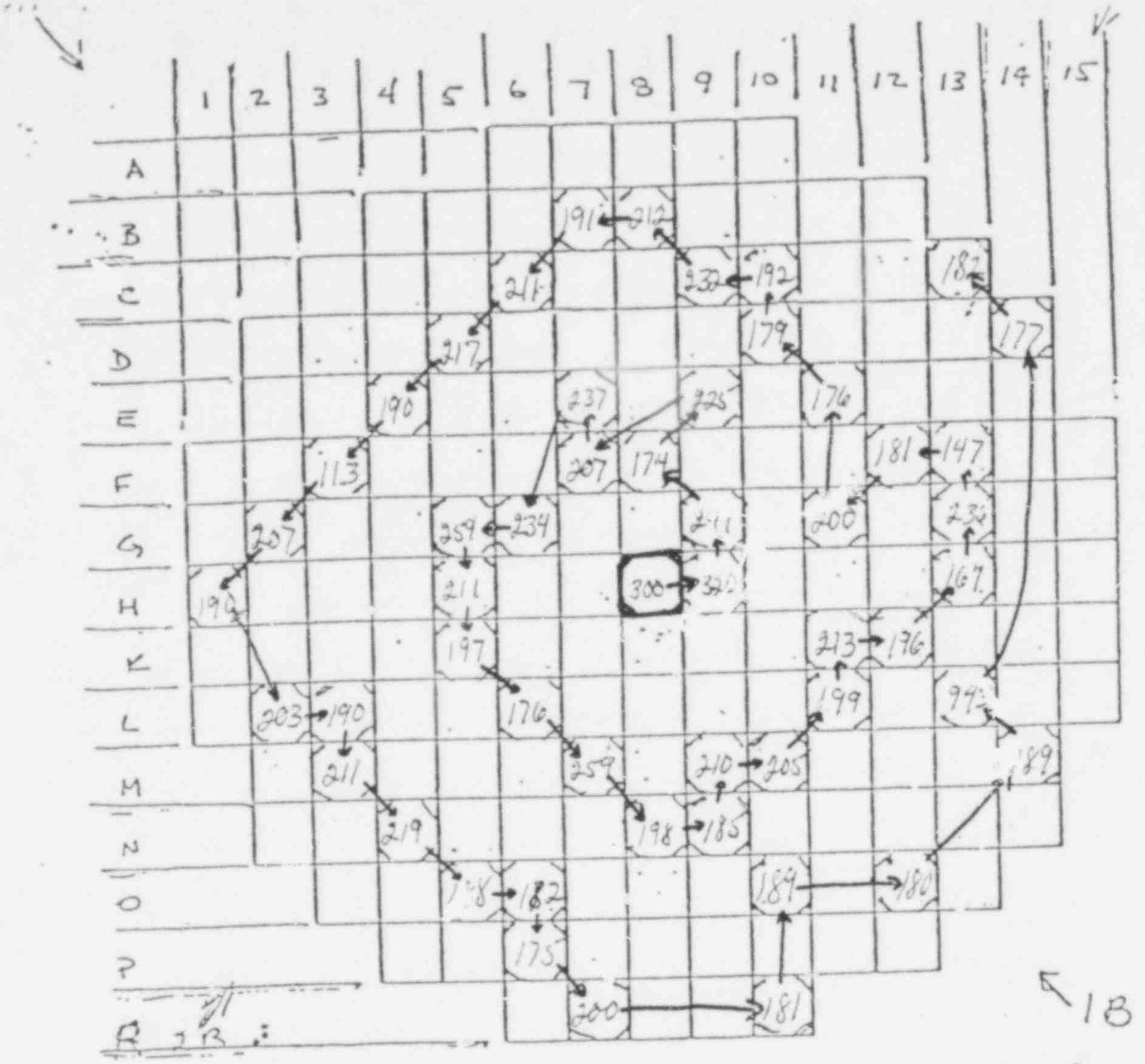
4.55×10^{-3} GAS

Hydrogen Concentration ____

556034

CONTAINMENT:

Pressure -1.6 psig, Temperature ____ F



Date 4/28/79

Time 2200

Press.
Pressure 910

$T_{A\,cold}$ inlet 167 $T_{A\,hot}$ 181 ΔT = 14

$T_{B\,cold}$ inlet 146 $T_{B\,hot}$ 193 ΔT = 47

Pressure 543

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

TSTEAM A <148

TSTEAM B 167

CONTAINMENT:

~~Pressure~~ -1.0 psig, Temperature ____ F

B out WIND - __ mph @ ___ °

(3240) -

219: x 10 PART.

x 10 I

x 10 GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

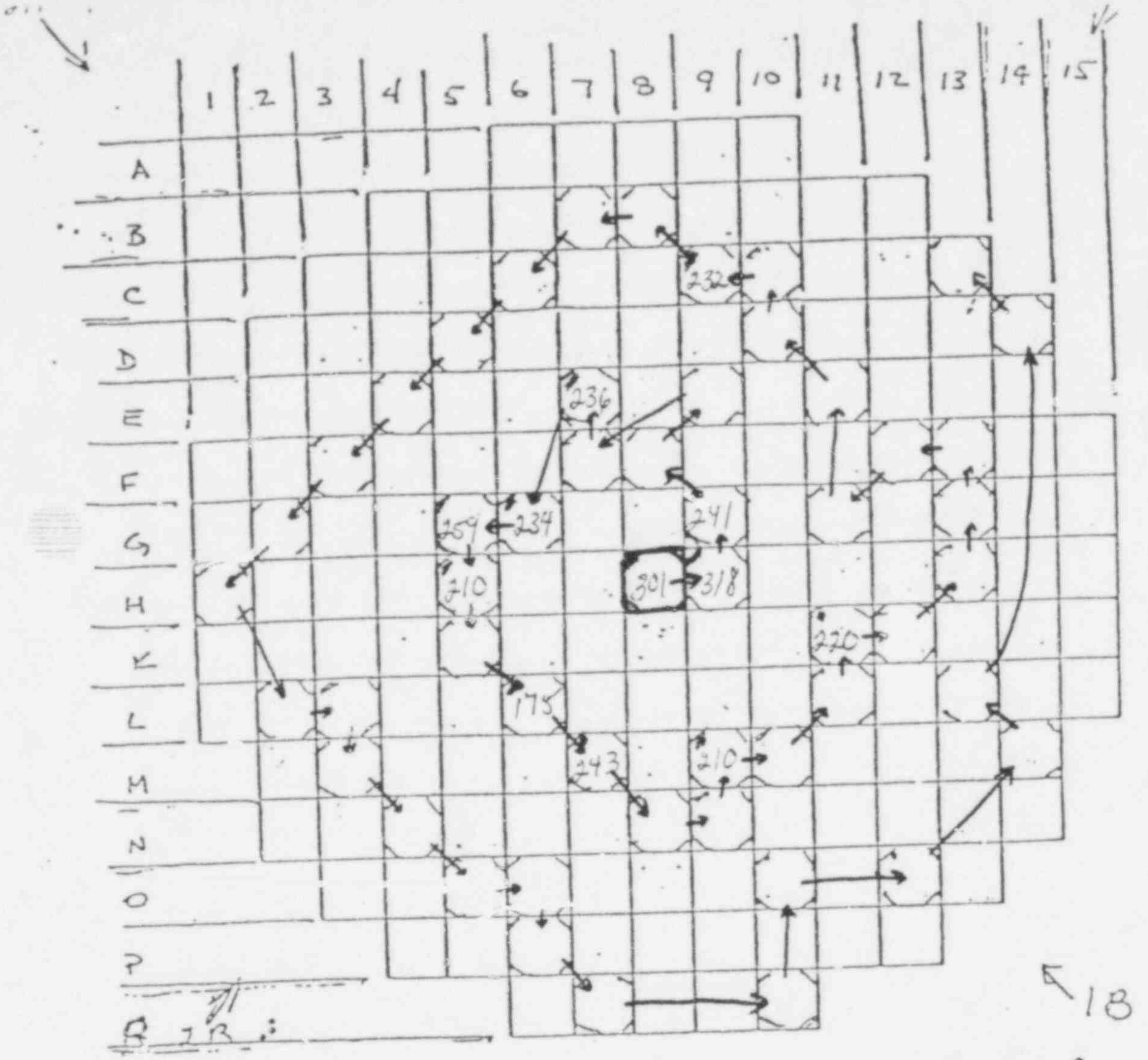
748: x 10 PART

x 10 I

x 10 GAS

Hydrogen Concentration ____

556035



B out

Date 4/28/79

Time 2100

Press. Pressure 896

$T_{A\,cold}$ inlet 167 $T_{A\,hot}$ 181 ΔT = 14

$T_{B\,cold}$ inlet 146 $T_{B\,hot}$ 193 ΔT = 47

Pressure 541

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

Tsteam A 148

Tsteam B 168

CONTAINMENT:

~~Pressure~~ - 0.9 psig, Temperature ____ F

WIND ____ mph @ ____°

(3240) -

219: x 10 PART.

x 10 I

x 10 GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

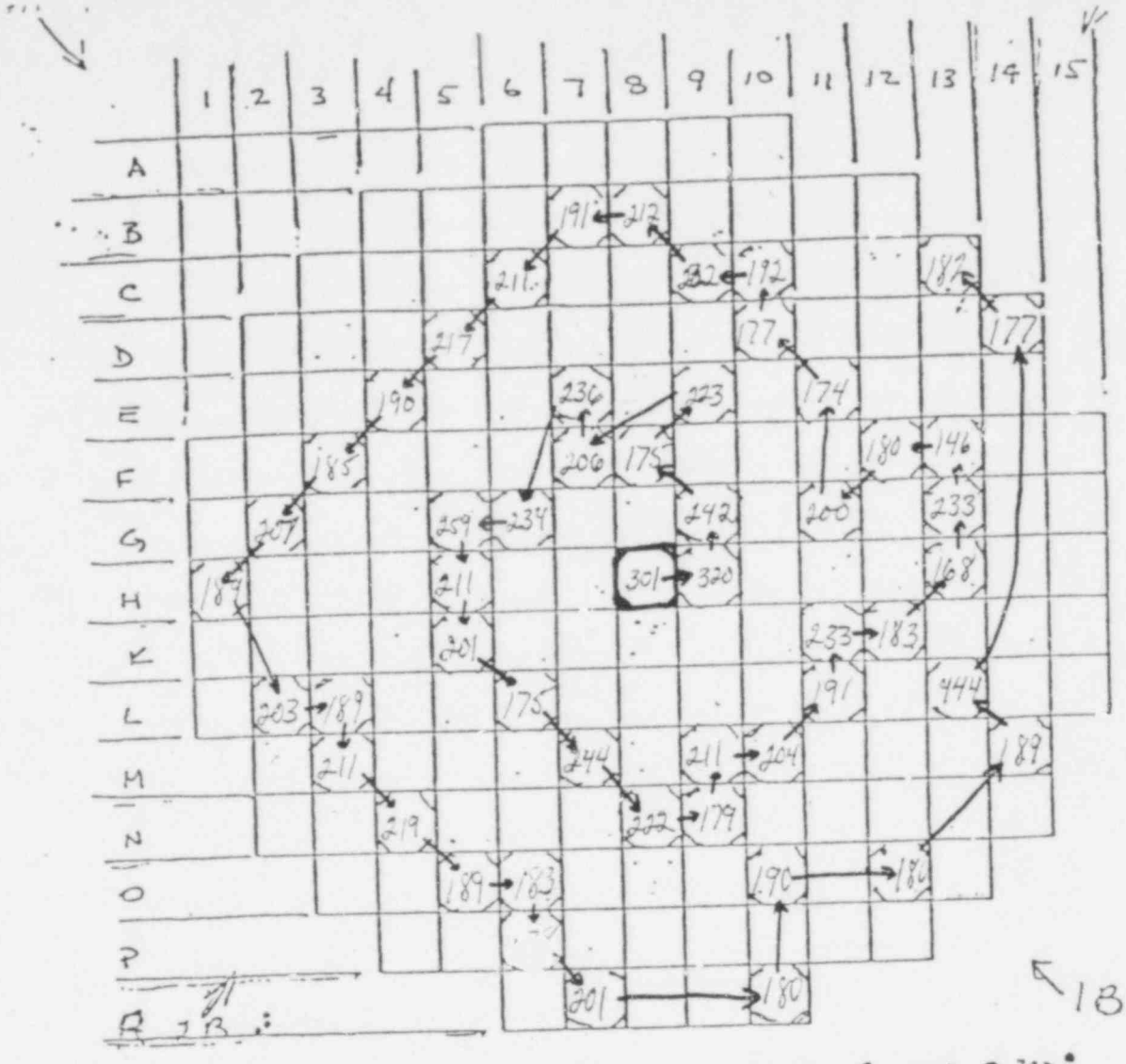
748: x 10 PART

x 10 I

x 10 GAS

Hydrogen Concentration ____

556036



Date 4/28/79

Time 2000

Press. Pressure 895 psi

$T_{A\ cold}$ inlet 166 $T_{A\ hot}$ 182 $\Delta T = 16$

$T_{B\ cold}$ inlet 147 $T_{B\ hot}$ 194 $\Delta T = 47$

Pressure 541 F

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

T_{steam} A (149 F)

T_{STEAM} B (169 F)

WIND · 10 mph @ 300°

(3240) - 1/2

219: 2.82×10^{-10} PART.
6.33×10^{-9} I
4.39×10^{-9} GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4.

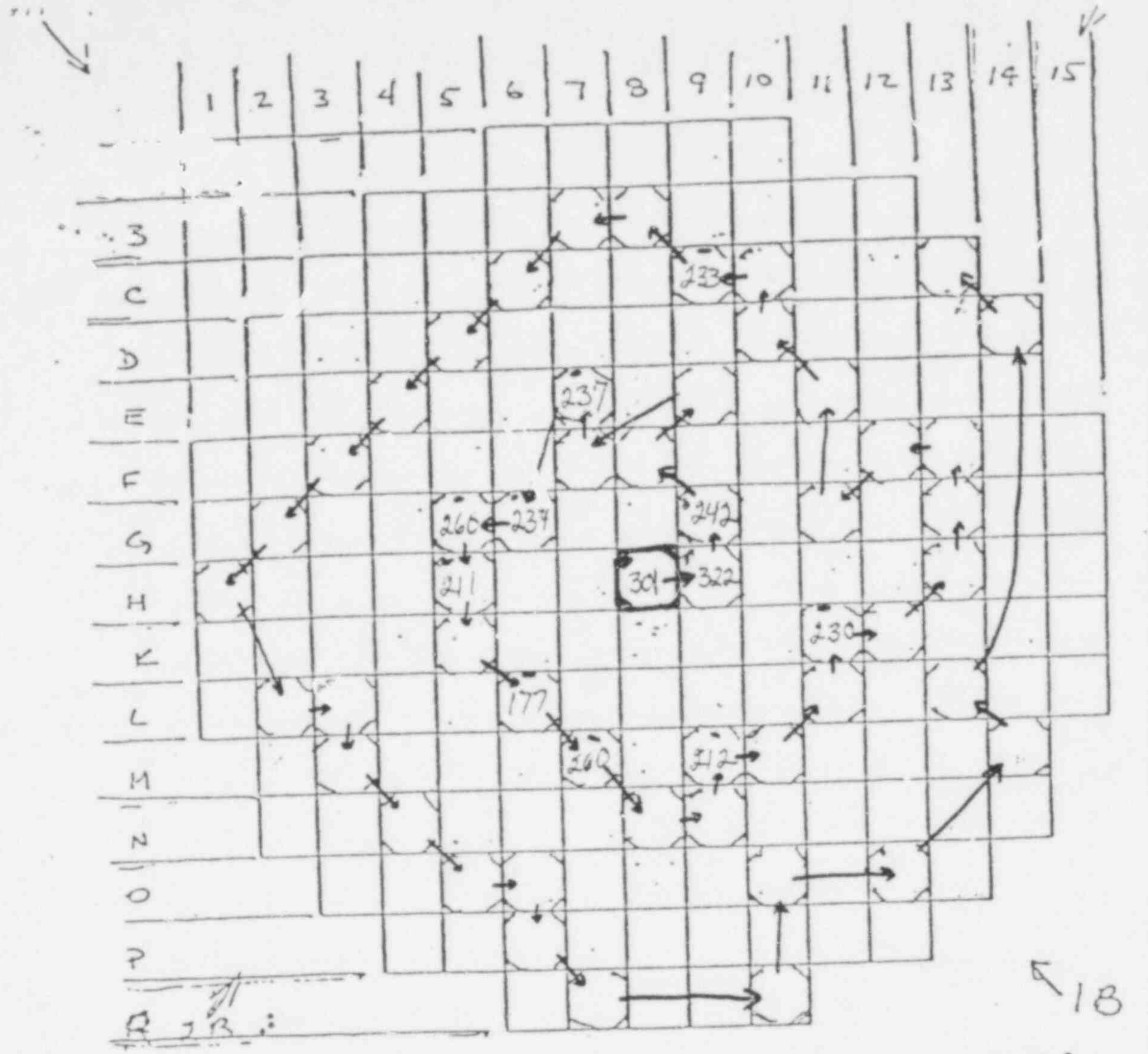
748: 4.55×10^{-9} PART
2.28×10^{-9} I
6.12×10^{-3} GAS

Hydrogen Concentration ____

556037

CONTAINMENT:

Pressure -0.7 psig, Temperature ____ F



Date 4/28/79

Time 1900

Press. Pressure 898

A cold inlet 167 $T_{A\,hot}$ 183 $\Delta T = 16$

B cold inlet 147 $T_{B\,hot}$ 195 $\Delta T = 48$

Pressure 542

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

Tsteam A 150 F

B 169 F

B out

WIND - 7 mph @ 300°

B (3240) - 12

219: x 10 PART.

x 10 I

x 10 GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN[ING] BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI[T]

FIGURE 4.

748: 5.36 x 10^-9 PART

4.55 x 10^-8 I

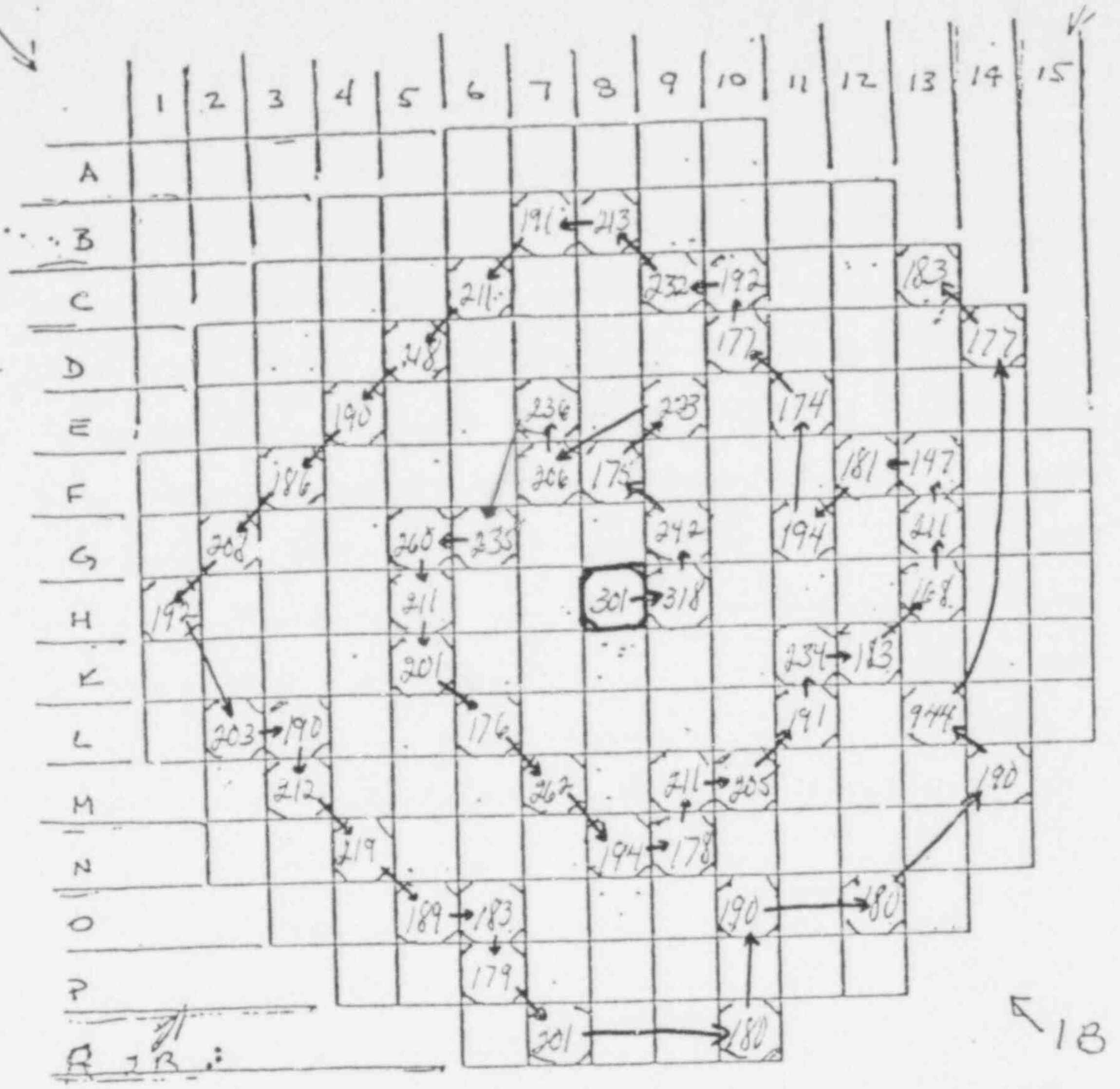
6.02 x 10^-3 GAS

Hydrogen Concentration ____

556038

CONTAINMENT:

Pressure: -0.6 psig, Temperature ____ F



Date 4/28/79

Time 1800

Press. Pressure 893

$T_{A\,cold}$ inlet 147 $T_{A\,hot}$ 183 ΔT = 16

$T_{B\,cold}$ inlet 147 $T_{B\,hot}$ 196 ΔT = 49

Pressure 541

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

T steam A - 151

T steam B - 169

CONTAINMENT:

Pressure: -6.6 psig, Temperature ____ F

B out

WIND - 14 mph @ 345°

(3240) - 14/12

219: 3.08×10^{-10} PART.

1.10×10^{-8} I

4.4×10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

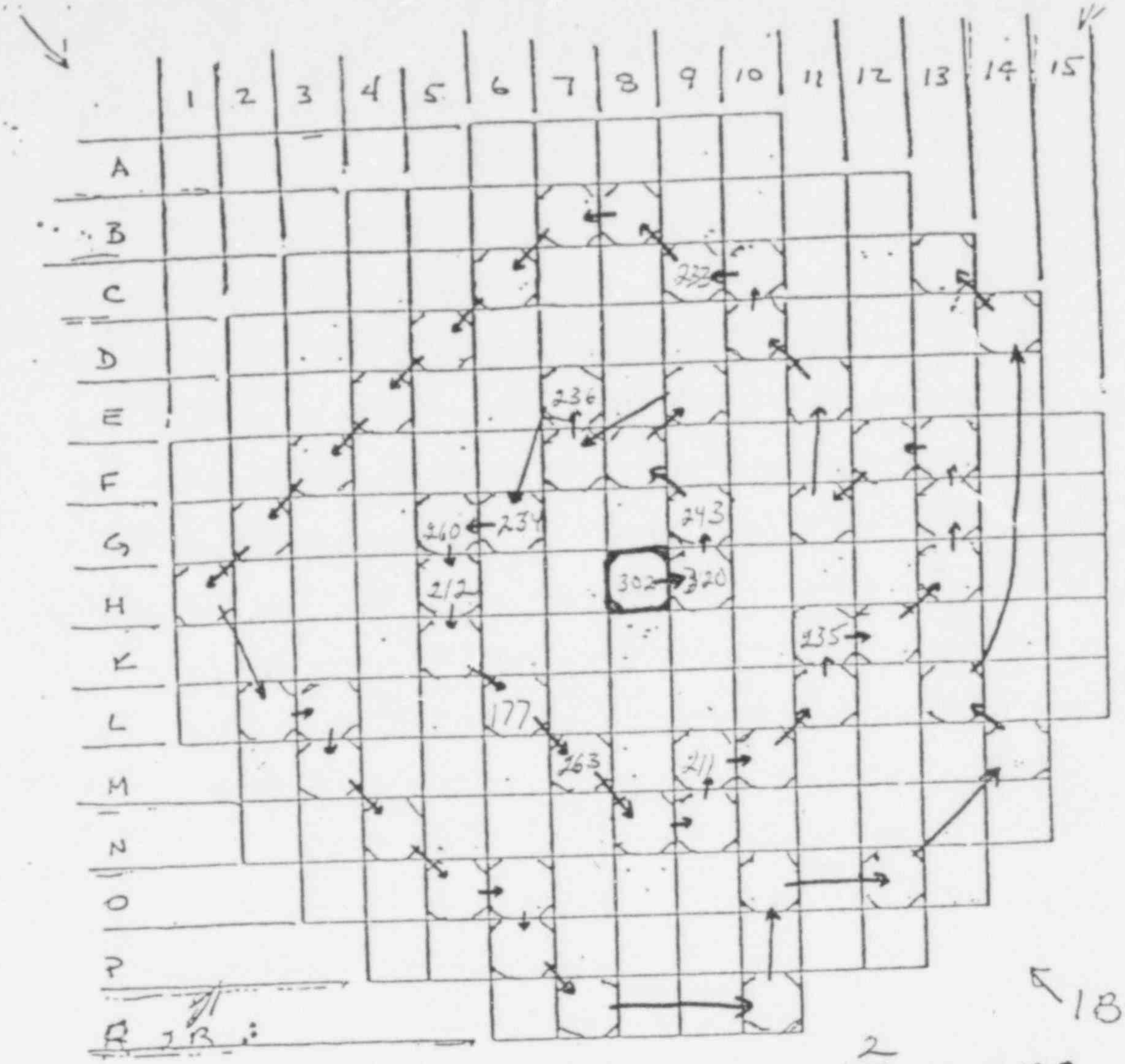
748: 1.1×10^{-9} PART

2.27×10^{-8} I

6.88×10^{-3} GAS

Hydrogen Concentration ____

556039



Date 4/28/79

Time 1700

Press.
Pressure 885

$T_{A\,cold}$ inlet 166 $T_{A\,hot}$ 184 $\Delta T = 18$

$T_{B\,cold}$ inlet 147 $T_{B\,hot}$ 196 $\Delta T = 49$

Pressure 540

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

Tst A — (151)

Tst B — 169"

B out WIND - 2 mph @ 195°

(3240) - 12

219: x 10⁻ PART.

x 10⁻ I

x 10⁻ GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4.

748: x 10⁻ PART

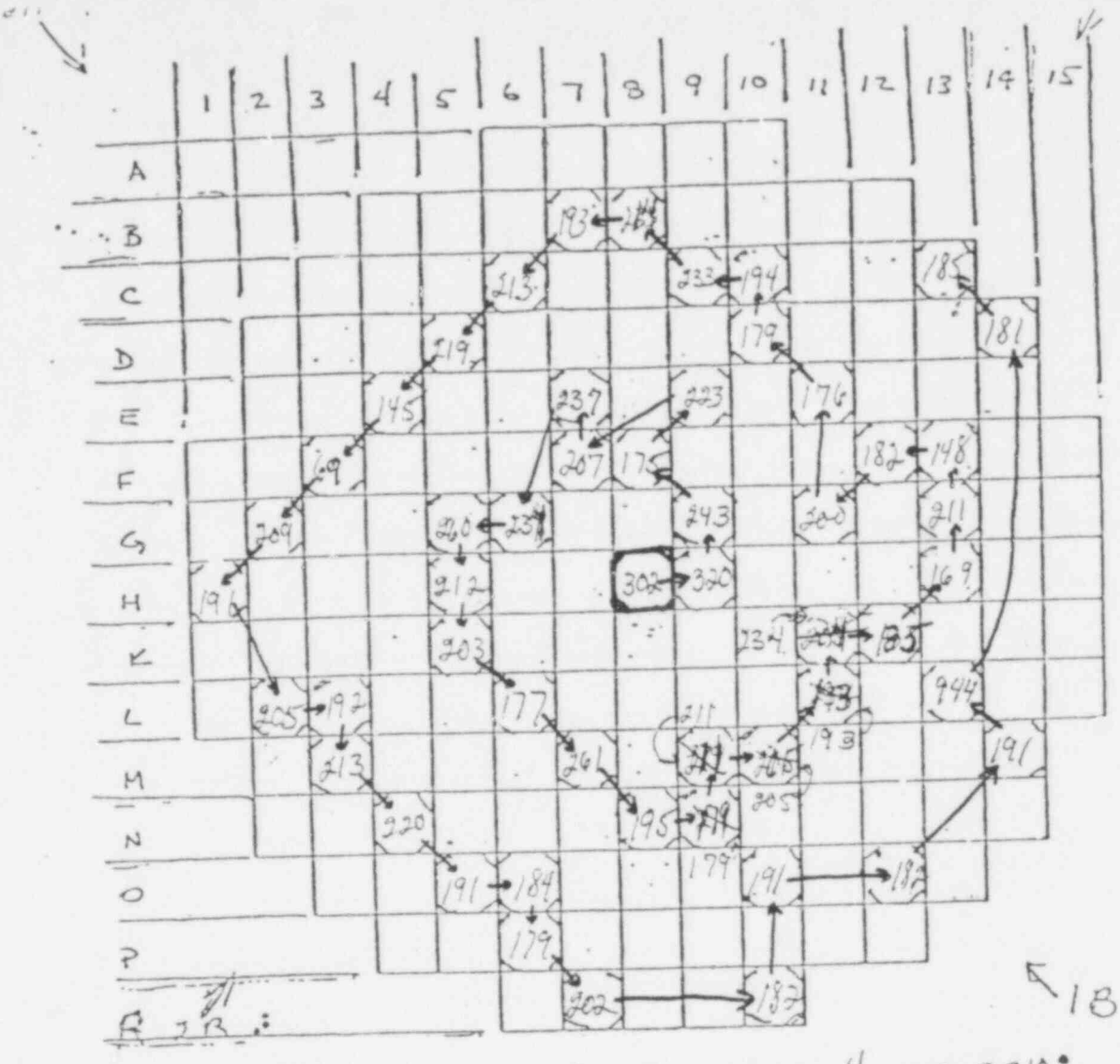
x 10⁻ I

x 10⁻ GAS

Hydrogen Concentration ____

556040

CONTAINMENT:
Pressure: -0.6 psig, Temperature ____ F



Date 4/28/79

Time 1600

Press. Pressure 895

$T_{A\,cold}$ inlet 168 — $T_{A\,hot}$ 184 ΔT = 16

$T_{B\,cold}$ inlet 148 — $T_{B\,hot}$ 198 ΔT = 50

Pressure 541

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

B out

WIND - 4 mph @ 210°

(3240) - 12

219: x 10⁻ PART.
x 10⁻ I
x 10⁻ GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UN

FIGURE 4

748: x 10⁻ PART
x 10⁻ I
x 10⁻ GAS

Hydrogen Concentration ____

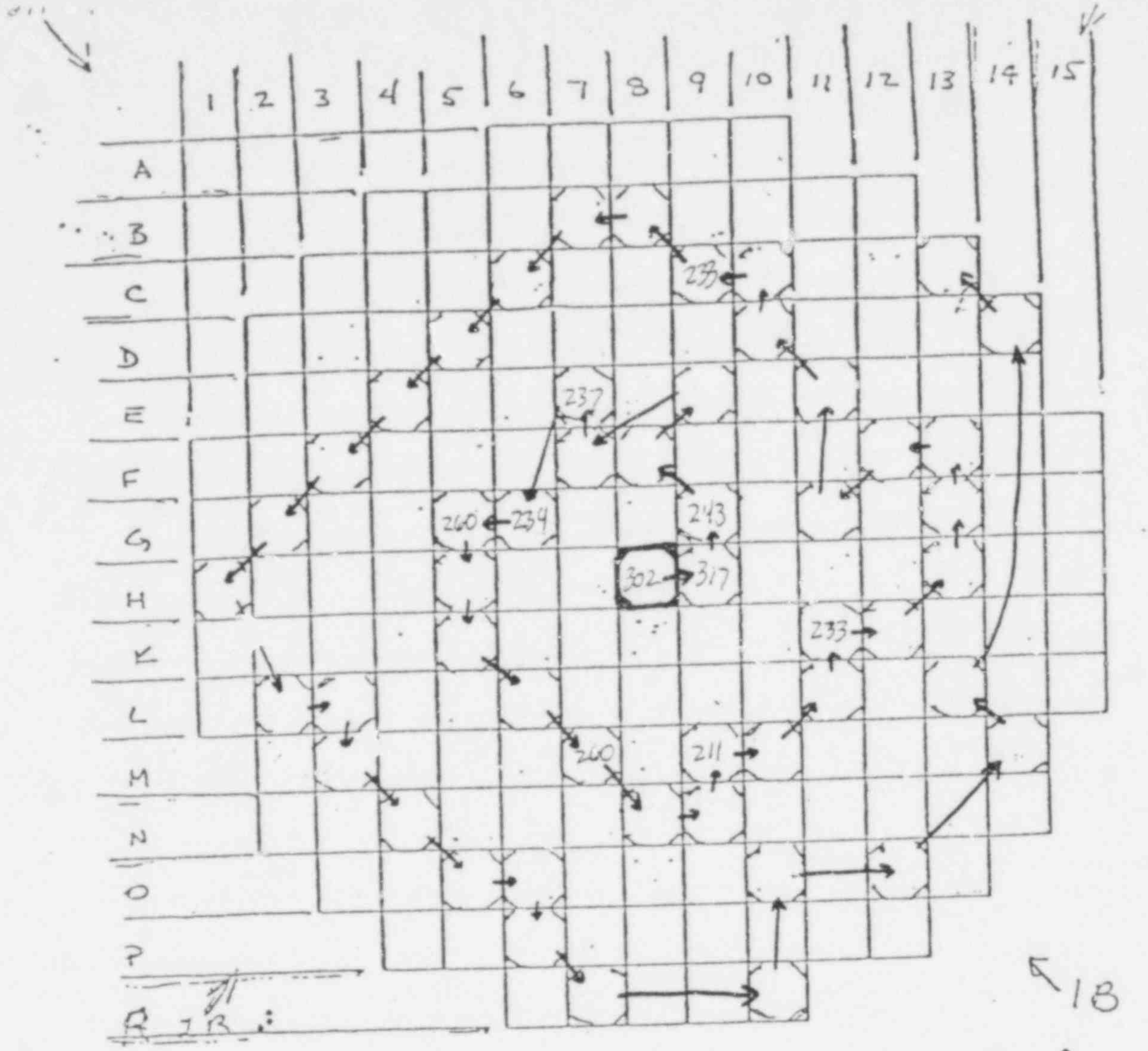
TSTEAM A 152F

TSTEAM B 169F

556041

CONTAINMENT:

Pressure -1.5 psig, Temperature ____ F



Date 4/28/79

Time 1500

Press. Pressure 879

A cold inlet 168 $T_{A\,hot}$ 183 ΔT = 15

B cold inlet 148 $T_{B\,hot}$ 198 ΔT = 50

Pressure 526

Pressurizer ____

Press SGA ____ Temp Steam Generator A- 181

Press SGB ____ B ____

Letdown Flow ____

B out WIND- ____ mph @ ____°

(3240)-

219: x 10 PART. x 10 I x 10 GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI[NG] BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI[T]

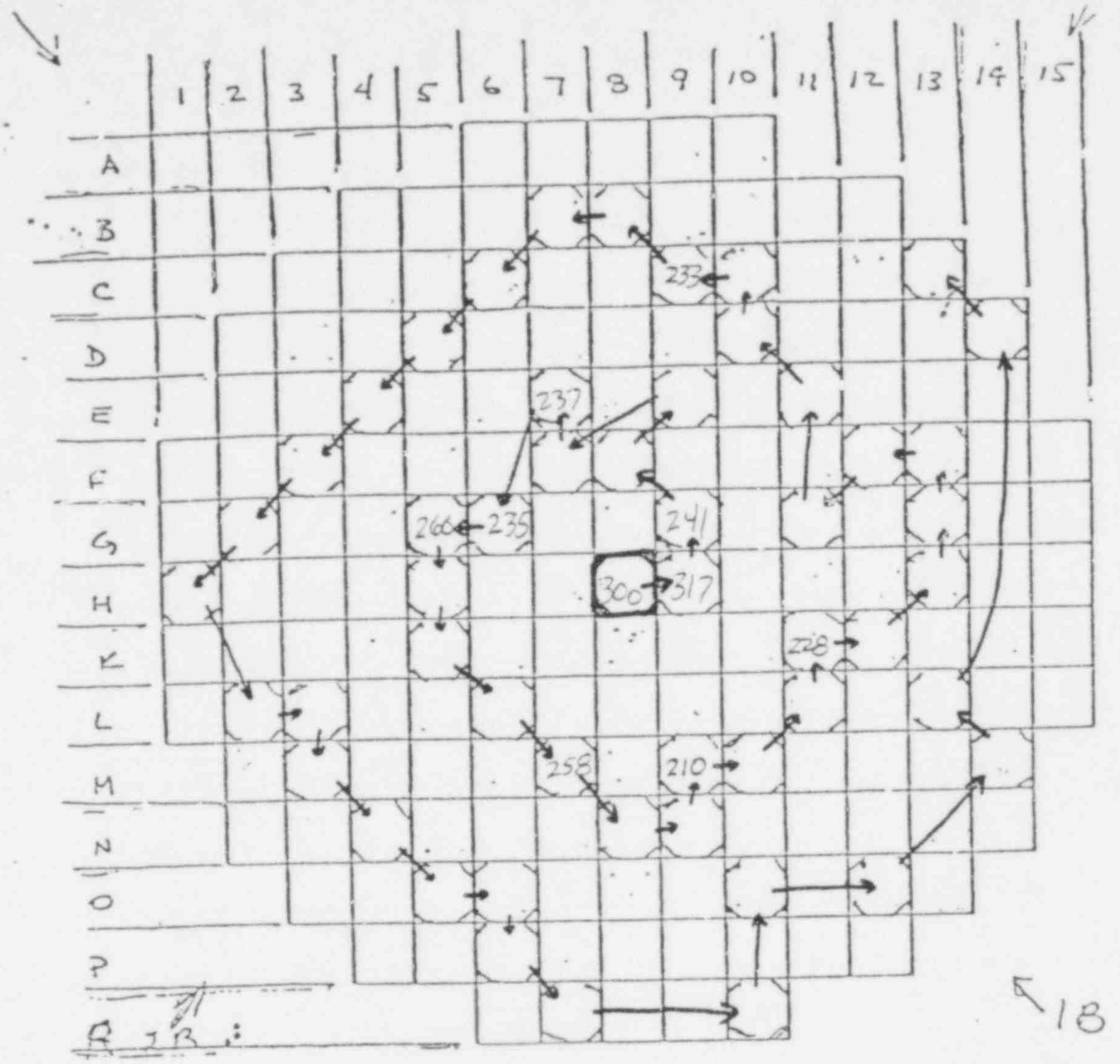
FIGURE 4.

748: x 10 PART x 10 I x 10 GAS

Hydrogen Concentration ____

556042

CONTAINMENT:
Pressure -0.7 psig, Temperature ____ F



Date 4/29/79

Time 1400

B out

TC Reading at 1345

Press. Pressure 896

A_{cold} inlet 167 $T_{A_{hot}}$ 181 ΔT = 14

B_{cold} inlet 148 $T_{B_{hot}}$ 199 ΔT = 51

Pressure 479

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

Temp. Steam Gen A 169 °F

B 153 °F

WIND ____ mph @ ____°

(3240)-

219: x 10 PART.

x 10 I

x 10 GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4.

748: x 10 PART

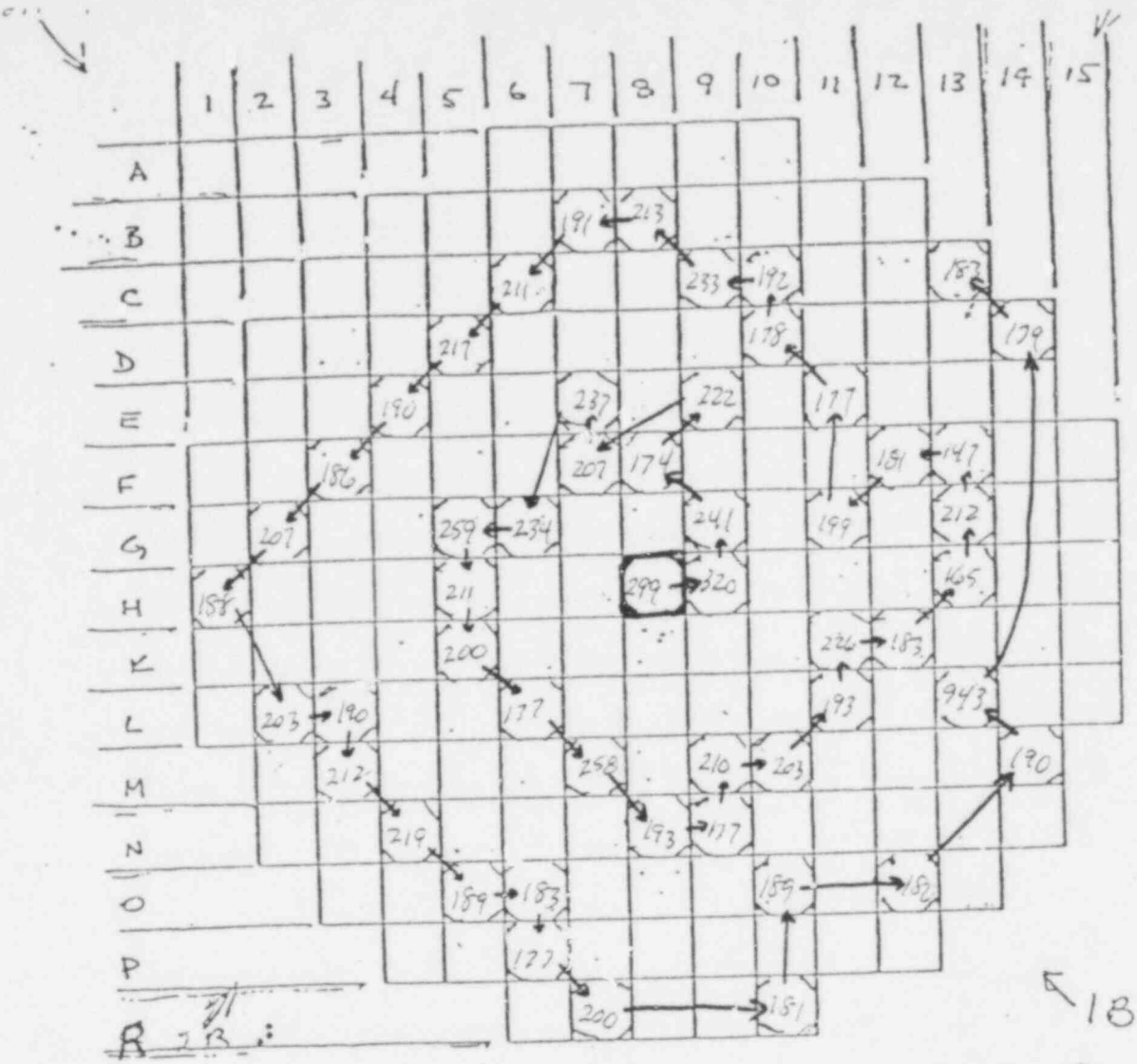
x I

GAS

Hydrogen Concentration ____ ?

556043

CONTAINMENT:
Pressure -0.8 psig, Temperature ____ F



Date 4/28/79

Time 1300

Press. Pressure 973

$T_{A\ cold}$ inlet 168 $T_{A\ Hot}$ 181 ΔT = 13

$T_{B\ cold}$ inlet 149 $T_{B\ Hot}$ 199 ΔT = 50

Pressure 527

Pressurizer ____

Press SG A ____

Press SG B ____

Letdown Flow ____

TC readings taken at 1245

B out

WIND: ___ mph @ ___°

S (3240) - .14

219: 3.11 x 10^{-10} PART.
5.78 x 10^{-9} I
6.13 x 10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UN

FIGURE 4

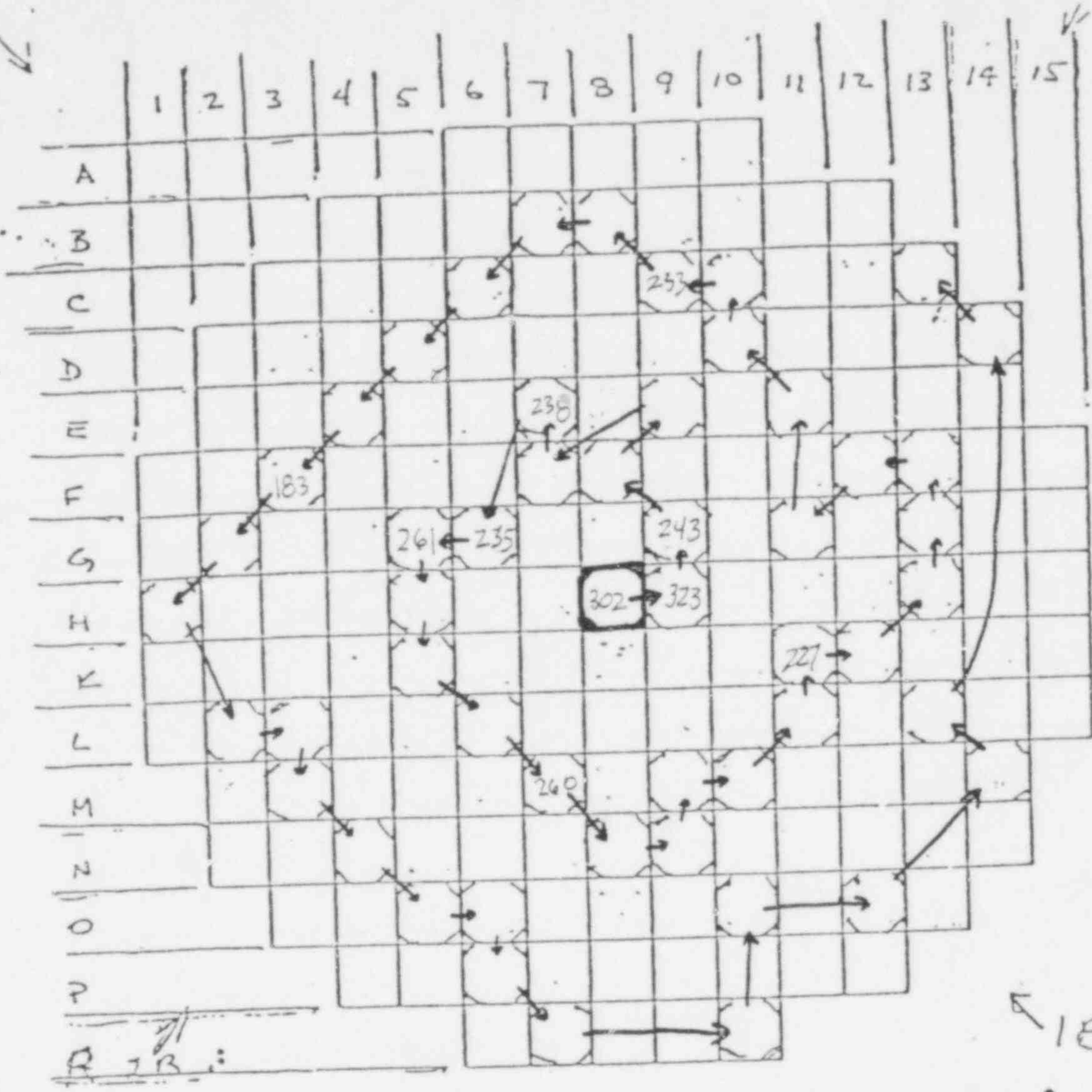
748: x 10^{-} PART
x 10^{-} I
x 10^{-} GAS

Hydrogen Concentration ____

556044

CONTAINMENT:

Pressure -0.9 psig, Temperature ____ F



Date 4/28/79
Time 1200
Press.
Pressure 980

T_A inlet (cold) 168 T_A hot 182 ΔT = 14
T_B inlet (cold) 149 T_B hot 200 ΔT = 51

Pressure 539

Pressurizer ____
Press SGA ____
Press SGB ____
Letdown Flow ____

B out WIND - ___ mph @ ___°
(3240) -

219 : x 10⁻ PART.
x 10⁻ I
x 10⁻ GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

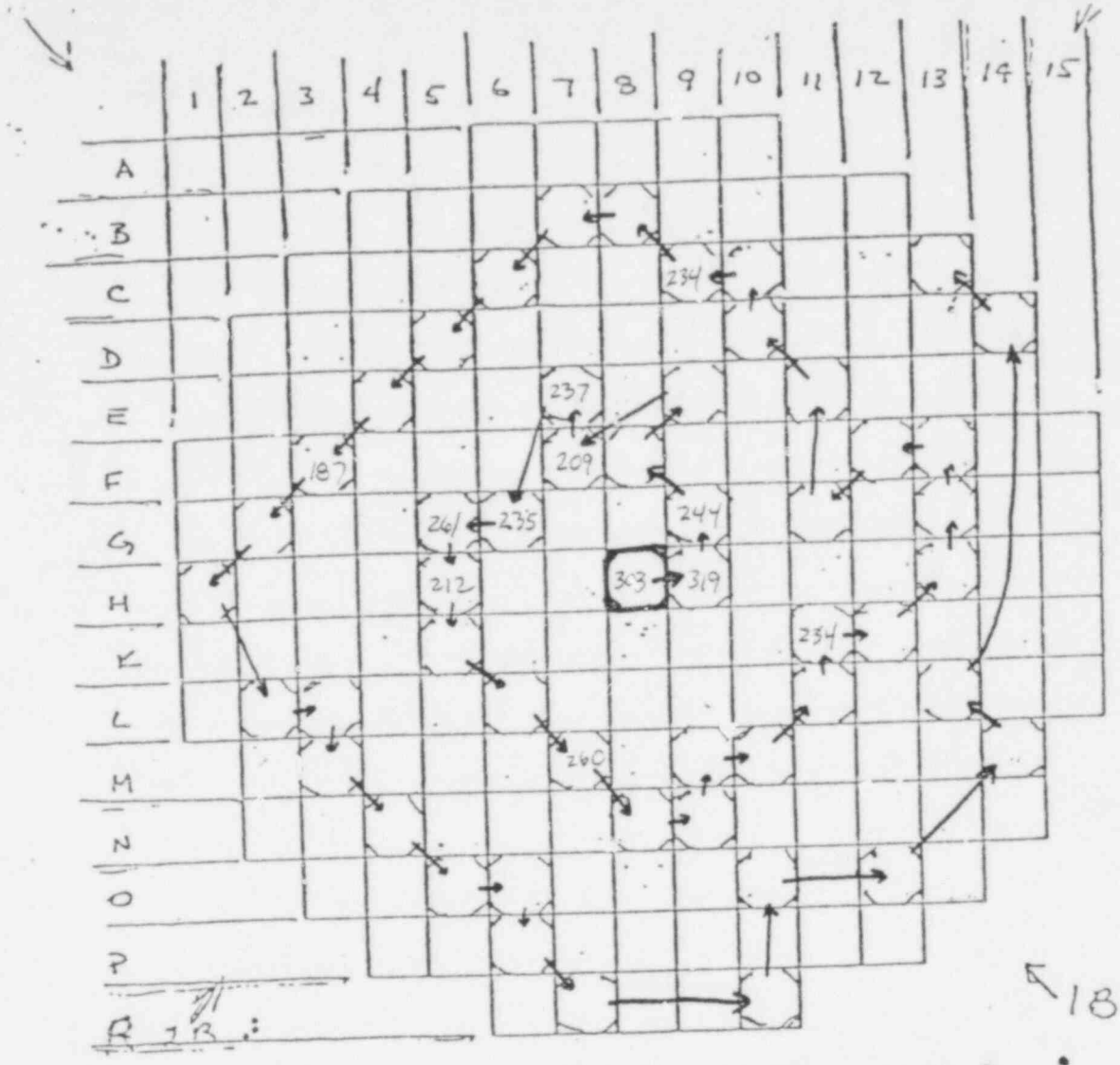
FIGURE 4.

748 : x 10⁻ PART
x 10⁻ I
x 10⁻ GAS

Hydrogen Concentration 0.69 %
1100

556045

CONTAINMENT:
Pressure: -1.0 psig, Temperature ______ F



Date 4/28/79

Time 1100

Press. Pressure 988

$T_{A\ cold}$ inlet 169 $T_{A\ hot}$ 183 $\Delta T = 14$

$T_{B\ cold}$ inlet 150 $T_{B\ hot}$ 200 $\Delta T = 50$

Pressure 540

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

$T_{steam\ gen}$ A 170 B 154

TC Readings Taken at 10 45

B out

WIND - ___ mph @ ___°

D (3240) - ...

219: 5.49×10^{-10} PART.
5.86×10^{-9} I
6.87×10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

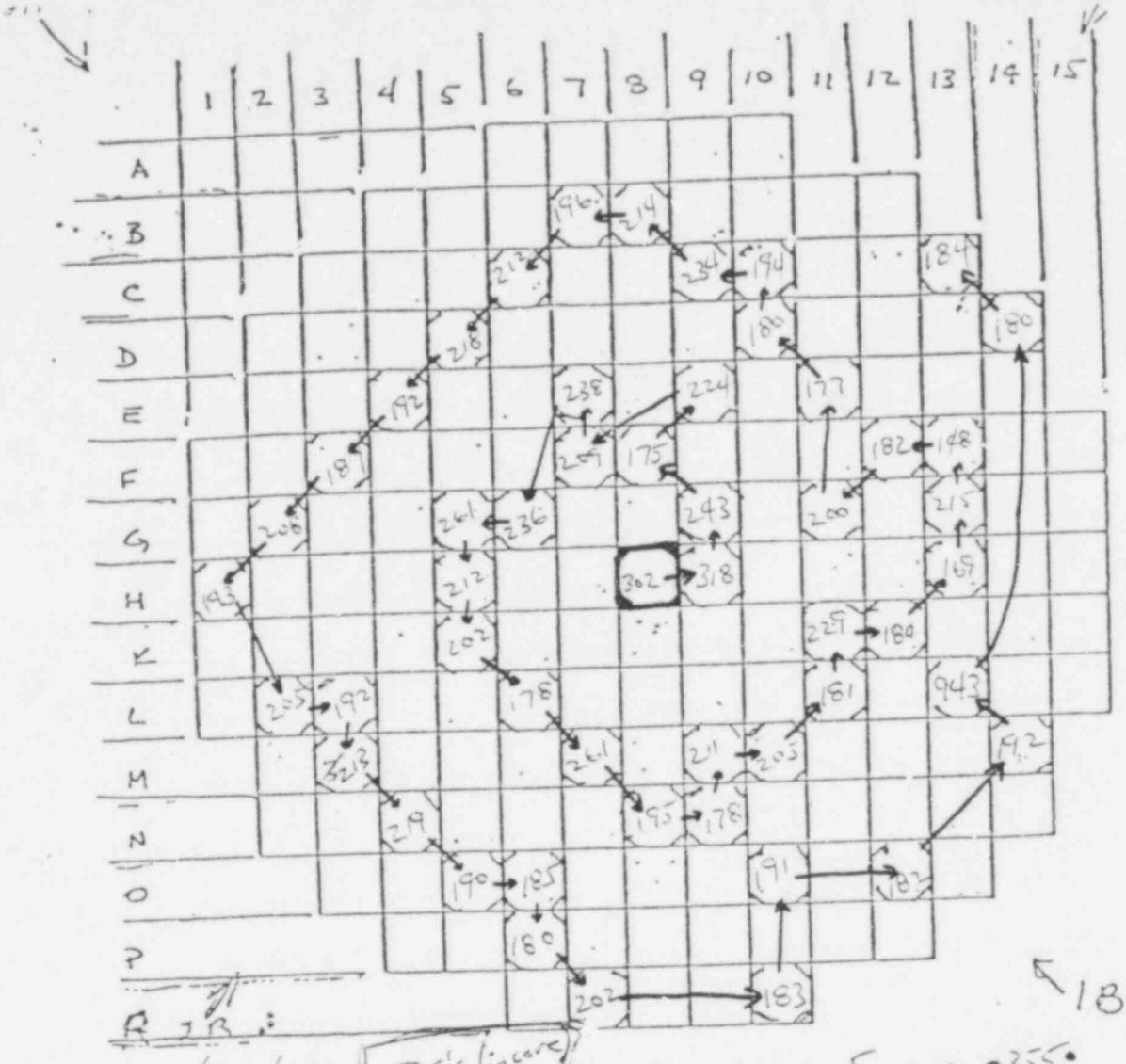
FIGURE 4

748: 1.14×10^{-10} PART
6.10×10^{-8} I
5.63×10^{-3} GAS

Hydrogen Concentration ____

556046

CONTAINMENT: Pressure -1.0 psig Temperature ____ F



Date 4/28/79.

Time 1000

Press. Pressure 889

$T_{A\ cold}$ inlet 169 $T_{A\ hot}$ 182 ΔT = 13

$T_{B\ cold}$ inlet 150 $T_{B\ hot}$ 201 ΔT = 51

Pressure 540

Pressurizer ____

Press SG A ____

Press SG B ____

Letdown Flow ____

TC's (incore) B out @ 0945

WIND - 5 mph @ 355°

B (3240) - 12 mR/hr

219: 9.85×10^{-11} PART.
1.59×10^{-9} I
7.11×10^{-5} GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

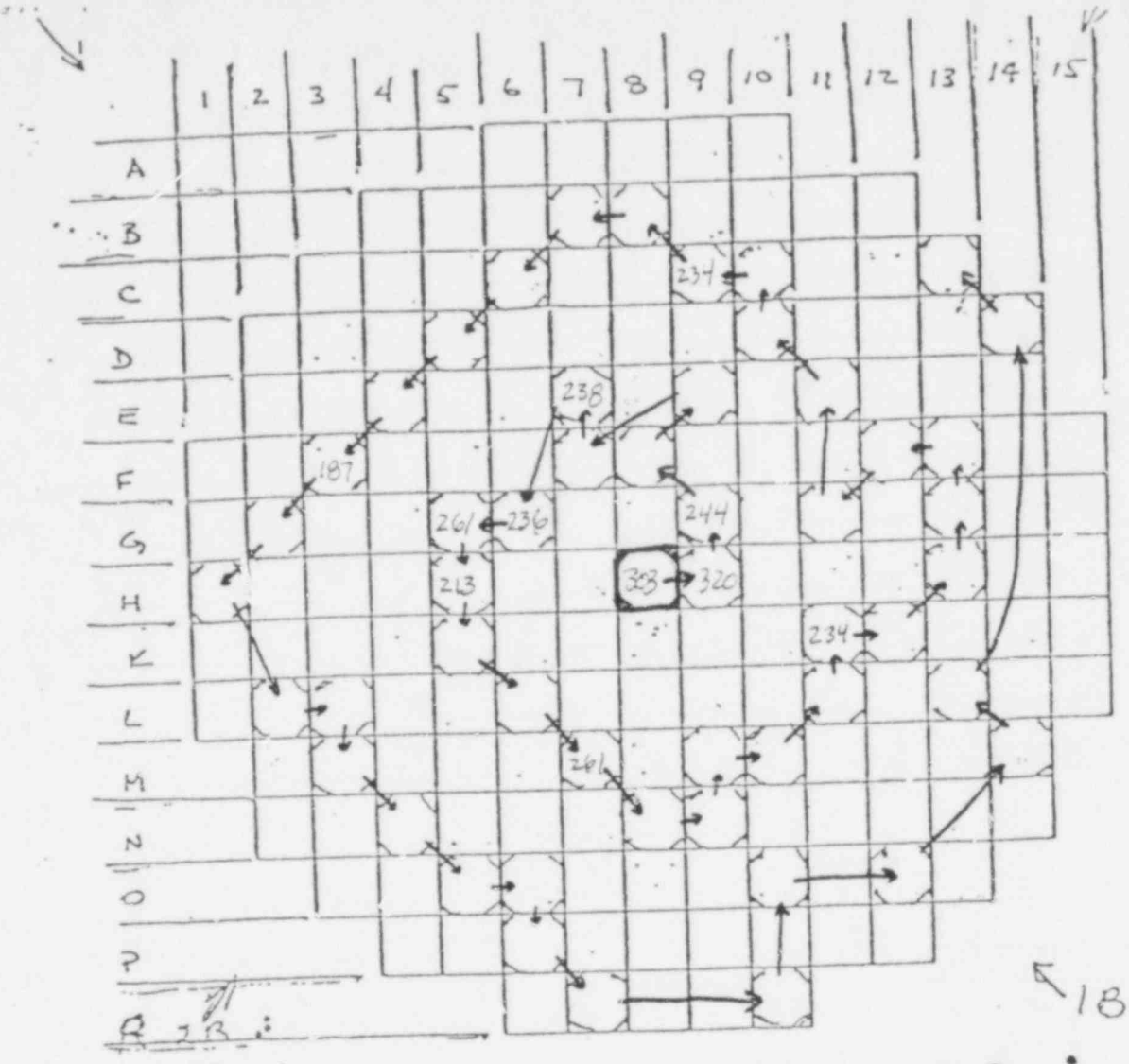
FIGURE 4.

748: 1.64×10^{-9} PART
4.69×10^{-7} I
5.67×10^{-3} GAS

Hydrogen Concentration ____

556047

CONTAINMENT: Pressure -1.0 psig Temperature ____ F



Date 4/28/79

Time 0900

Press. Pressure 938

B out

TC's are for 0845

WIND - ___ mph @ ___°

(3240) -

219 : x 10⁻ PART.
x 10⁻ I
x 10⁻ GAS

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

$T_{A\ cold}$ inlet 169 $T_{A\ Hot}$ 183 ΔT = 14

$T_{B\ cold}$ inlet 151 $T_{B\ Hot}$ 201 ΔT = 50

Pressure 542

Pressurizer ____

Press SGA ____

Press SGB ____

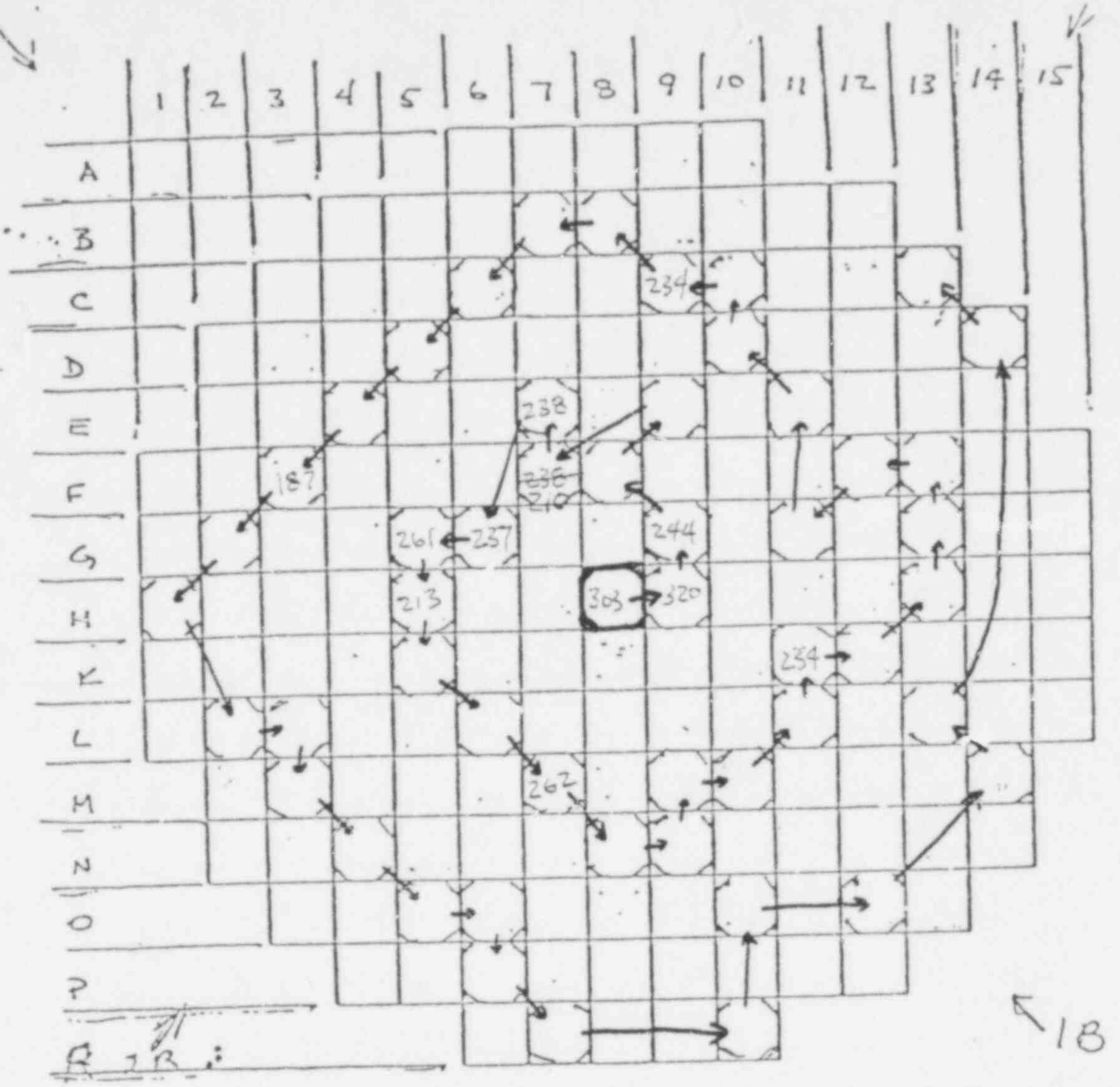
Letdown Flow ____

748 : x 10⁻ PART
x 10⁻ I
x 10⁻ GAS

Hydrogen Concentration ____

556048

CONTAINMENT: Pressure -1.0 psig, Temperature ____ F



Date 4/28/79

Time 0800

Press.
Pressure 895

$T_{A\,cold}$ inlet 169 $T_{A\,hot}$ 182 ΔT = 13

$T_{B\,cold}$ inlet 151 $T_{B\,hot}$ 201 ΔT = 50

Pressure 541°F

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

B out WIND - ___ mph @ ___°

(3240) -

219: x 10 PART.

x 10 I

x 10 GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4.

748: x 10 PART

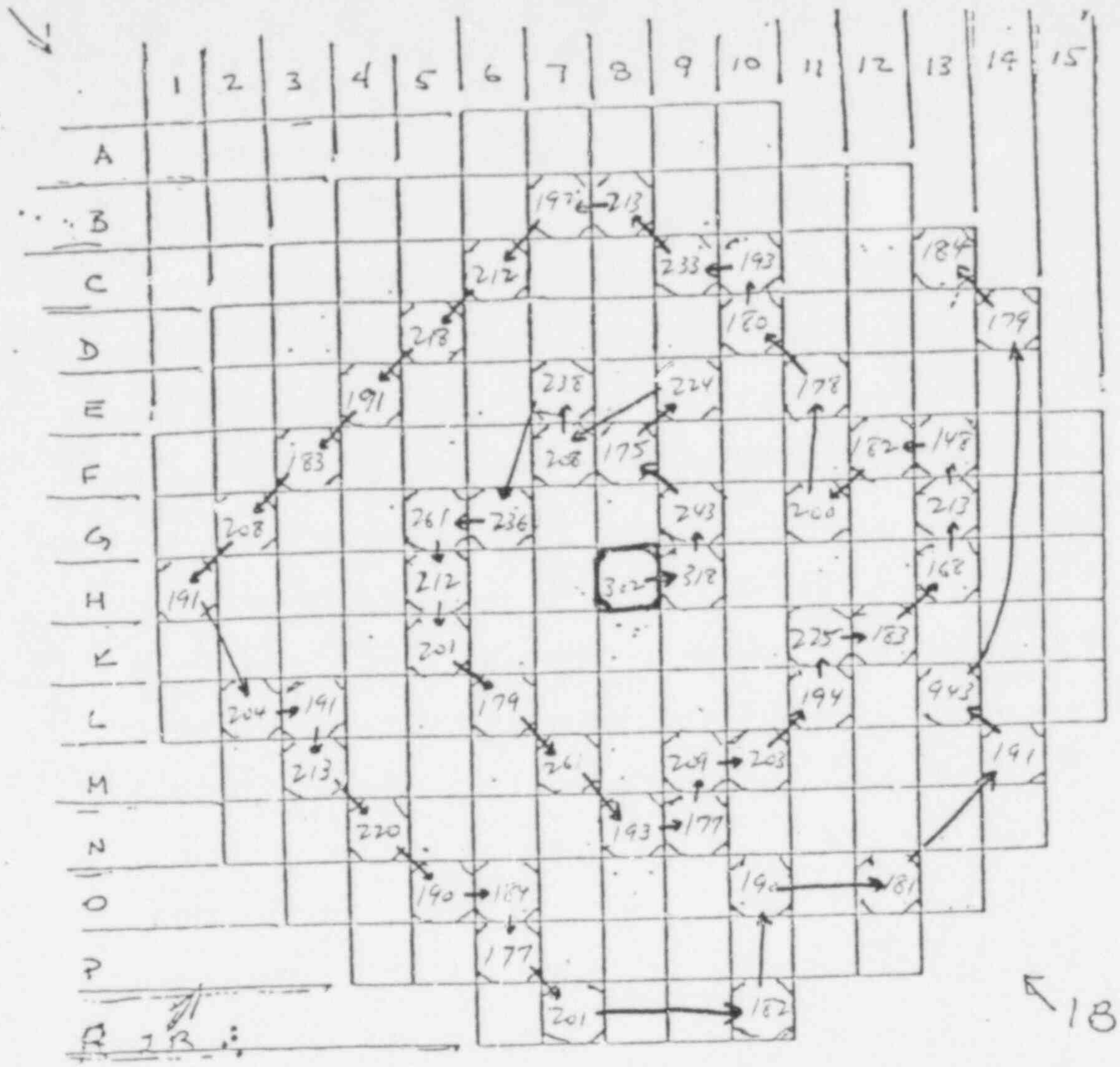
x 10 I

x 10 GAS

Hydrogen Concentration ____

556049

CONTAINMENT:
Pressure: -1.0 psig, Temperature ____ F



Date 4/28/79

Time 0700

Press. Pressure 935

A cold inlet 170 — $T_{A\,hot}$ 183 $\Delta T = 13$

B cold inlet 152 — $T_{B\,hot}$ 202 $\Delta T = 50$

Pressure 541

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

B out

WIND - 1 mph @ 345°

(3240) 12 mr/hr

219 : 3.80 x 10^-8 PART.

8.97 x 10^-9 I

3.89 x 10^-4 GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

748 : x10^- PART

x10^- I

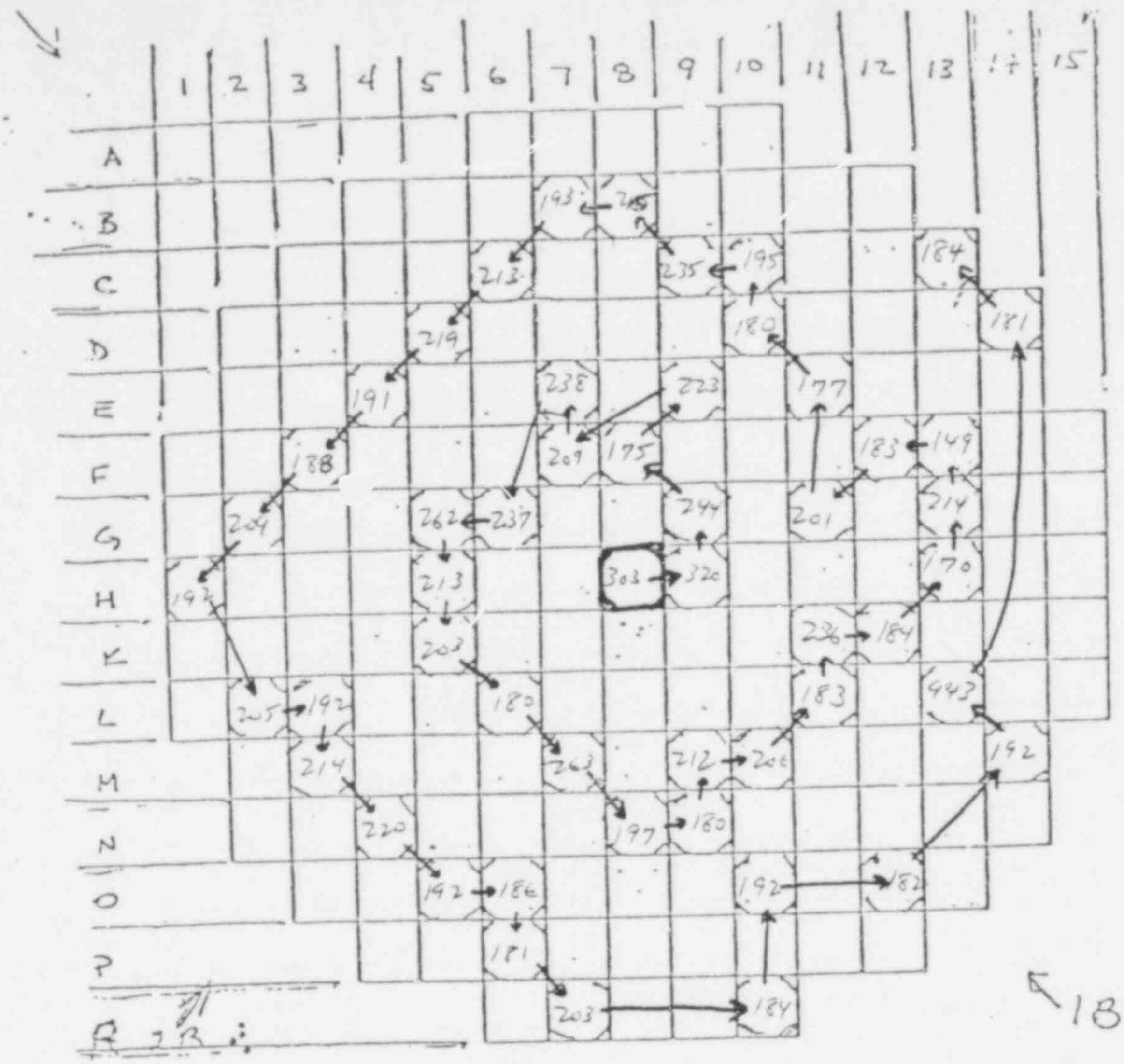
x10^- GAS

Hydrogen Concentration ____

556050

CONTAINMENT:

Pressure: -10 psig, Temperature ____ F



Date 4/28/79

Time 0600

RCS pressure 893

A cold inlet 169 $T_{A_{hot}}$ 184 ΔT = 15

B cold inlet 153 $T_{B_{hot}}$ 203 ΔT = 50

Pressure 541

Pressurizer ___

Press SGA ___

Press SGB ___

Letdown Flow ___

B out

WIND 1 mph @ 230°

(3240) 12

219: 9.02 x 10^{-7} PART.

4.93 x 10^{-9} I

1.35 x 10^{-4} GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4.

748: 9.32 x 10^{-9} PART

2.21 x 10^{-7} I

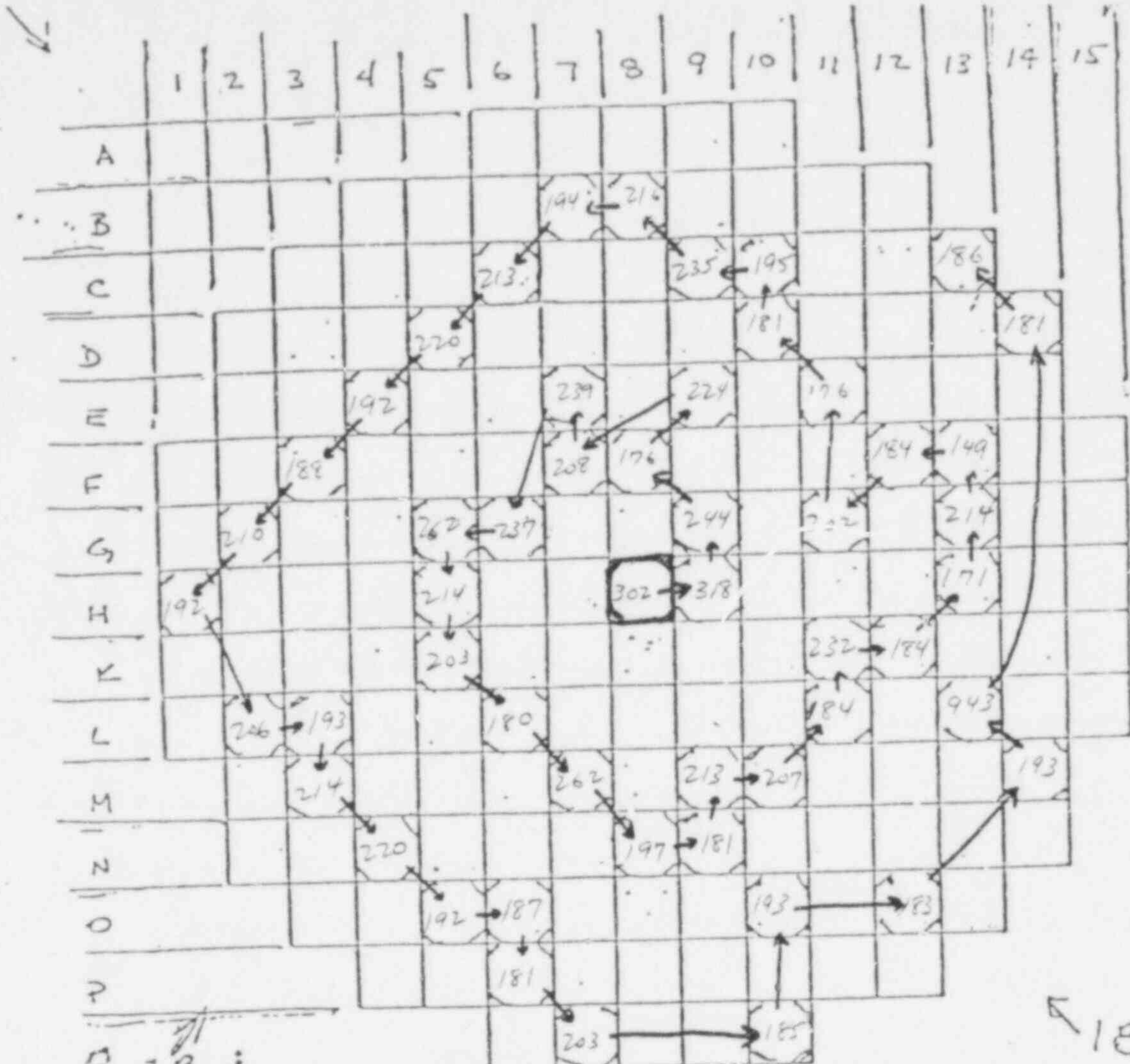
5.71 x 10^{-3} GAS

Hydrogen Concentration ___ 7

CONTAINMENT:

Pressure: -1.0 psig, Tempera!

556051 F



B 1B :

Date 4/28/79

Time 0500

ress. ressure 893

A cold inlet 170 $T_{A\,hot}$ 184 ΔT = 14

B cold inlet 153 $T_{B\,hot}$ 204 ΔT = ~~50~~ 51 now

Pressure 541

Pressurizer ___

Press SGA ___

Press SGB ___

Letdown Flow ___

B out WIND - 5 mph @ 140°

(3240F ... 12

219: 8.13×10^{-10} PART.

9.87×10^{-9} I

1.01×10^{-4} GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4.

748: x10 PART

x10 I

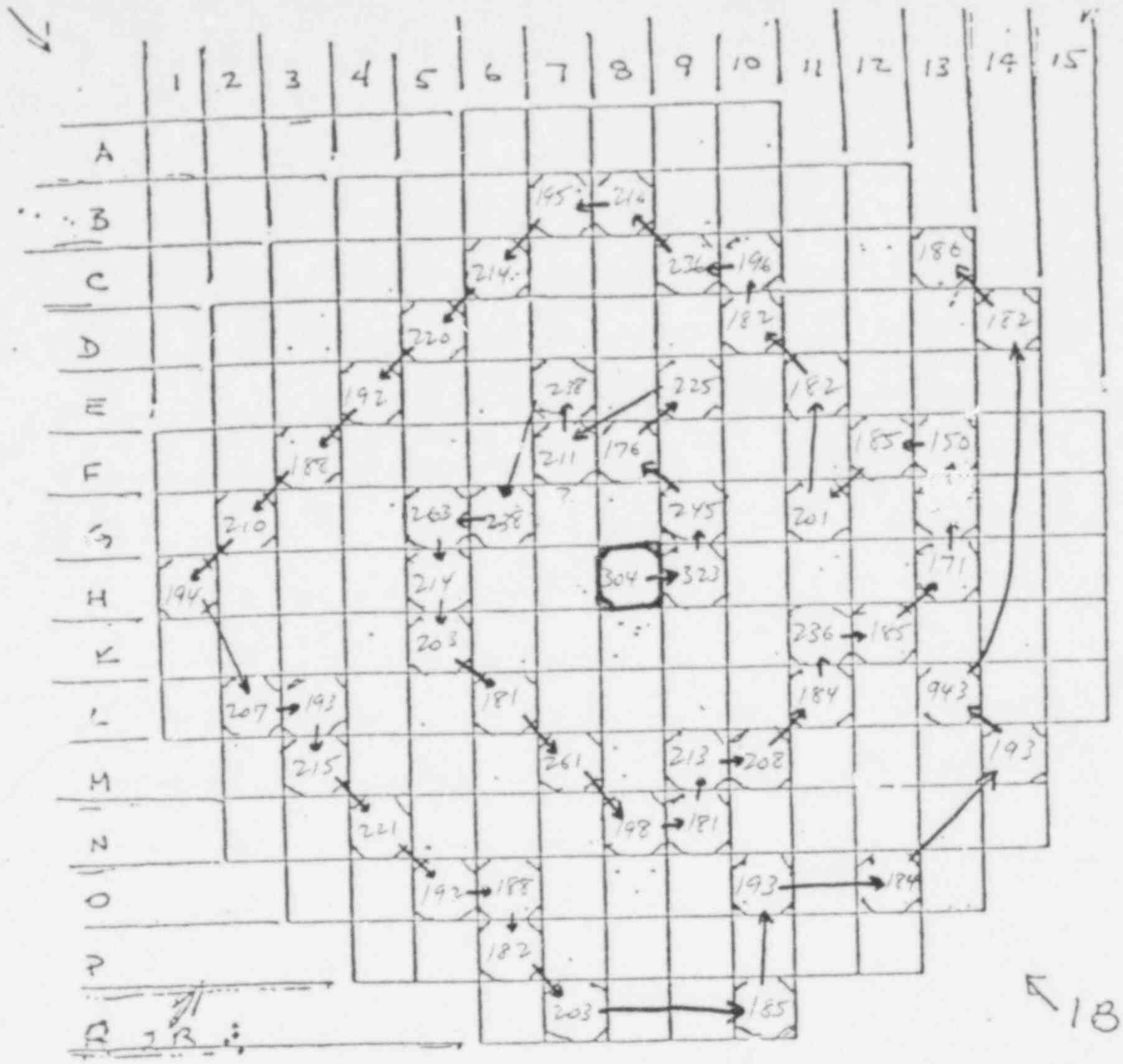
x10 GAS

Hydrogen Concentration 0.76 7.

@ 0445

556052

CONTAINMENT: Pressure: -1 psig, Temperature ___ F



Date 4/28/79

Time 0400

...cs. Pressure 401

4 inlet (cold) 171 $T_{A\,hot}$ 185 ΔT =

3 inlet (cold) 154 $T_{B\,hot}$ 204 ΔT =

Pressure 541

Pressurizer ____

Press SGA ____

Press SGB ____

...tdown Flow ____

B out

WIND 4 mph @ 345°

(3240) ... 12

219: 1.09×10^{-9} PART.

5.82×10^{-9} I

1.41×10^{-4} GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI...
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI...

FIGURE 4

748: 3.52×10^{-9} PART

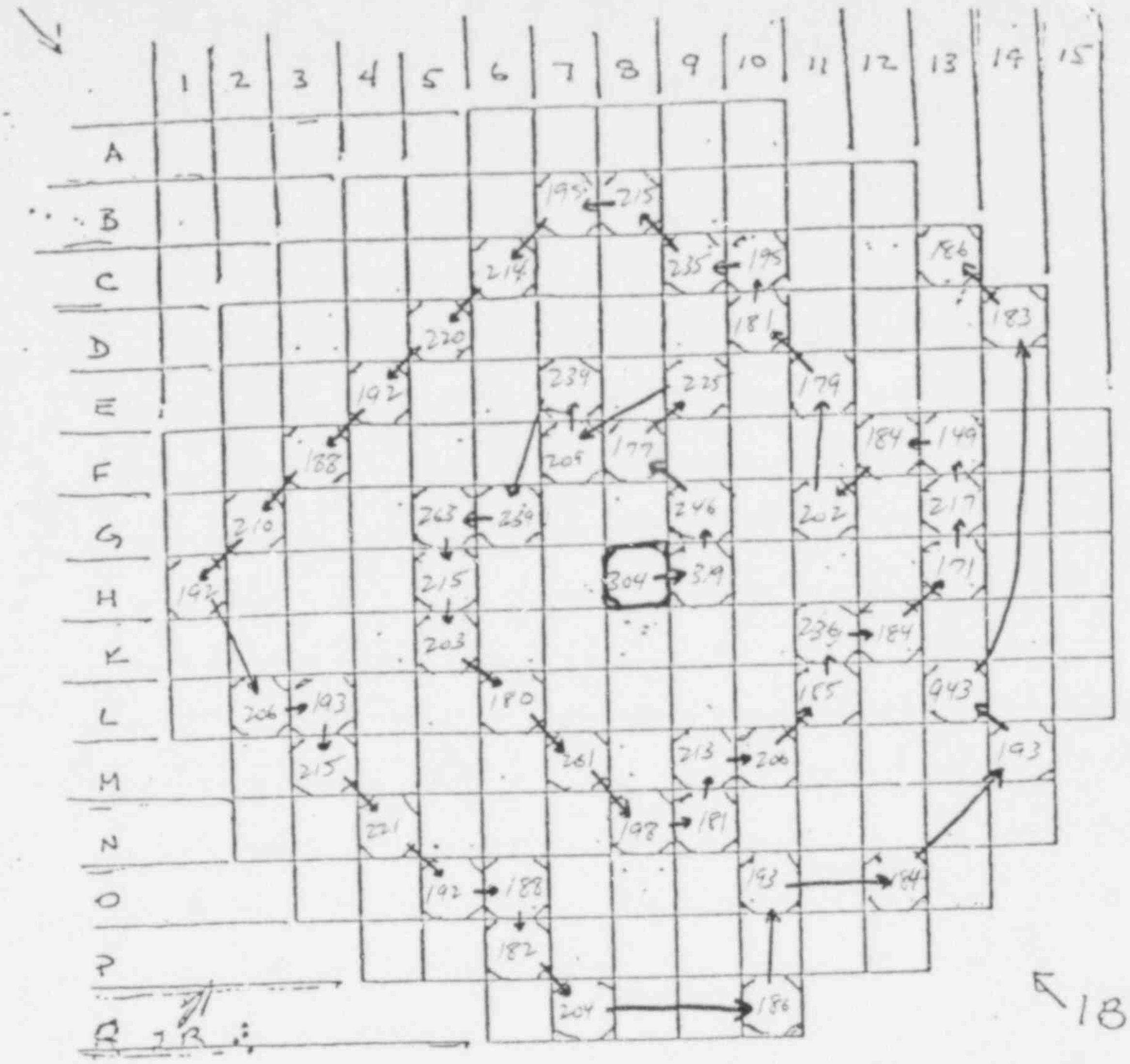
1.81×10^{-7} I

6.18×10^{-3} GAS

Hydrogen Concentration ____

556053

CONTAINMENT:
Pressure: -1.0 psig, Temperature ____ F



Date 4/28/79 B out WIND - 5 mph @ 360°

Time 0300 (3240)

Press. Pressure 892

219: 2.85 x 10^-7 PART.
8.87 x 10^-9 I
2.07 x 10^-4 GAS

A inlet cold 171 $T_{A\,hot}$ 185 ΔT = 14

B inlet cold 155 $T_{B\,hot}$ 205 ΔT = 50

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4:

Pressure 541

Pressurizer ____

Press SGA ____

Press SGB ____

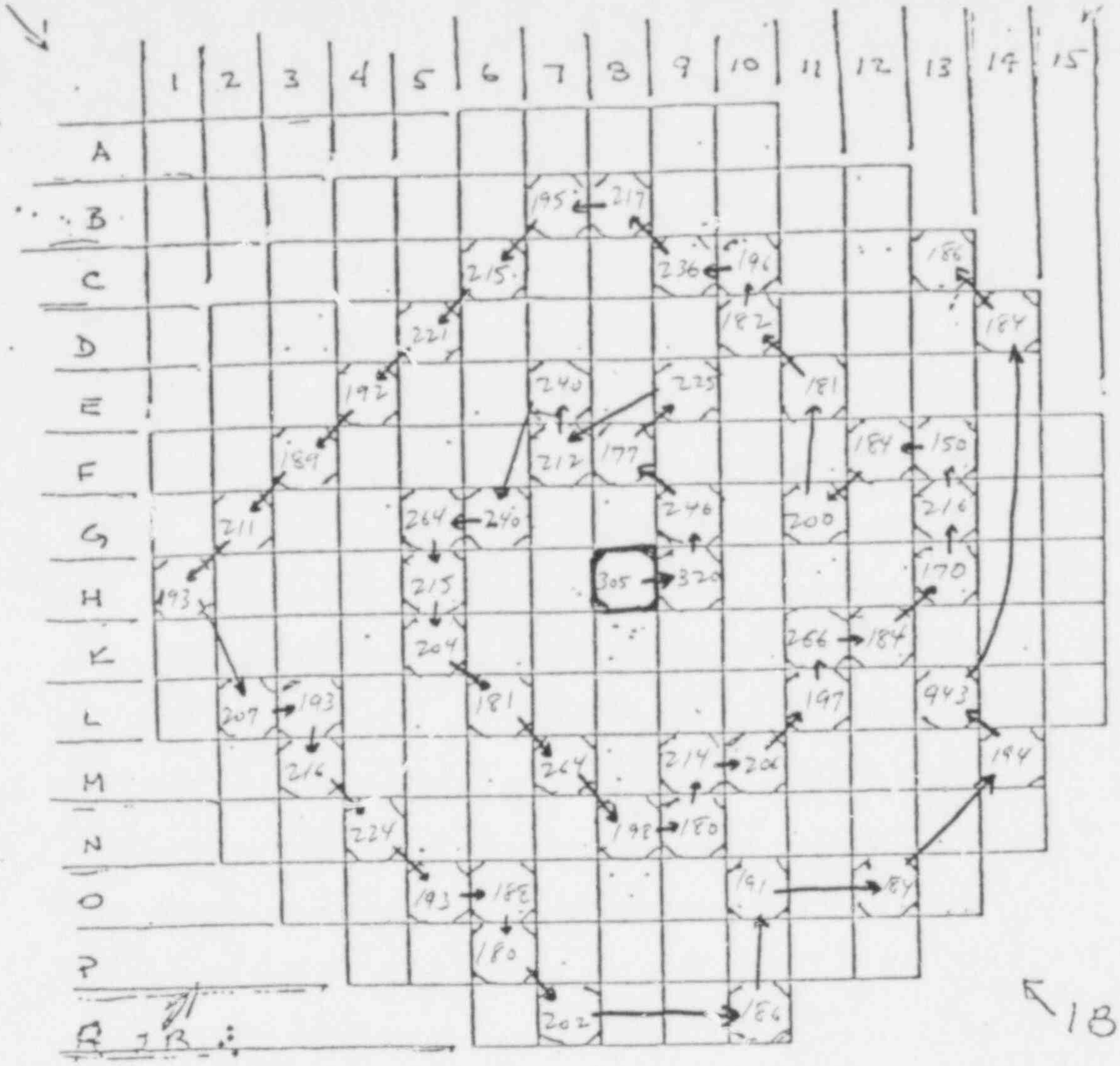
Letdown Flow ____

748: 4.62 x 10^-9 PART
2.68 x 10^-7 I
6.36 x 10^-3 GAS

Hydrogen Concentration ____ 7

CONTAINMENT:
Pressure: -1.0 psig, Temperature ____ F

556054



Date 4/28/79
Time 0200
Press. Pressure 968

A cold inlet 172 $T_{A\,hot}$ 184 ΔT = 12
B cold inlet 153 $T_{B\,hot}$ 196 ΔT = 40
Pressure 541
Pressurizer ____
Press SGA ____
Press SGB ____
Letdown Flow ____

1215:
A: -140°F
B: 169°F

B out WIND - 8 mph @ 330°
(3240 f)
219: 3.17 x 10^{-11} PART.
6.66 x 10^{-9} I
3.31 x 10^{-4} GAS

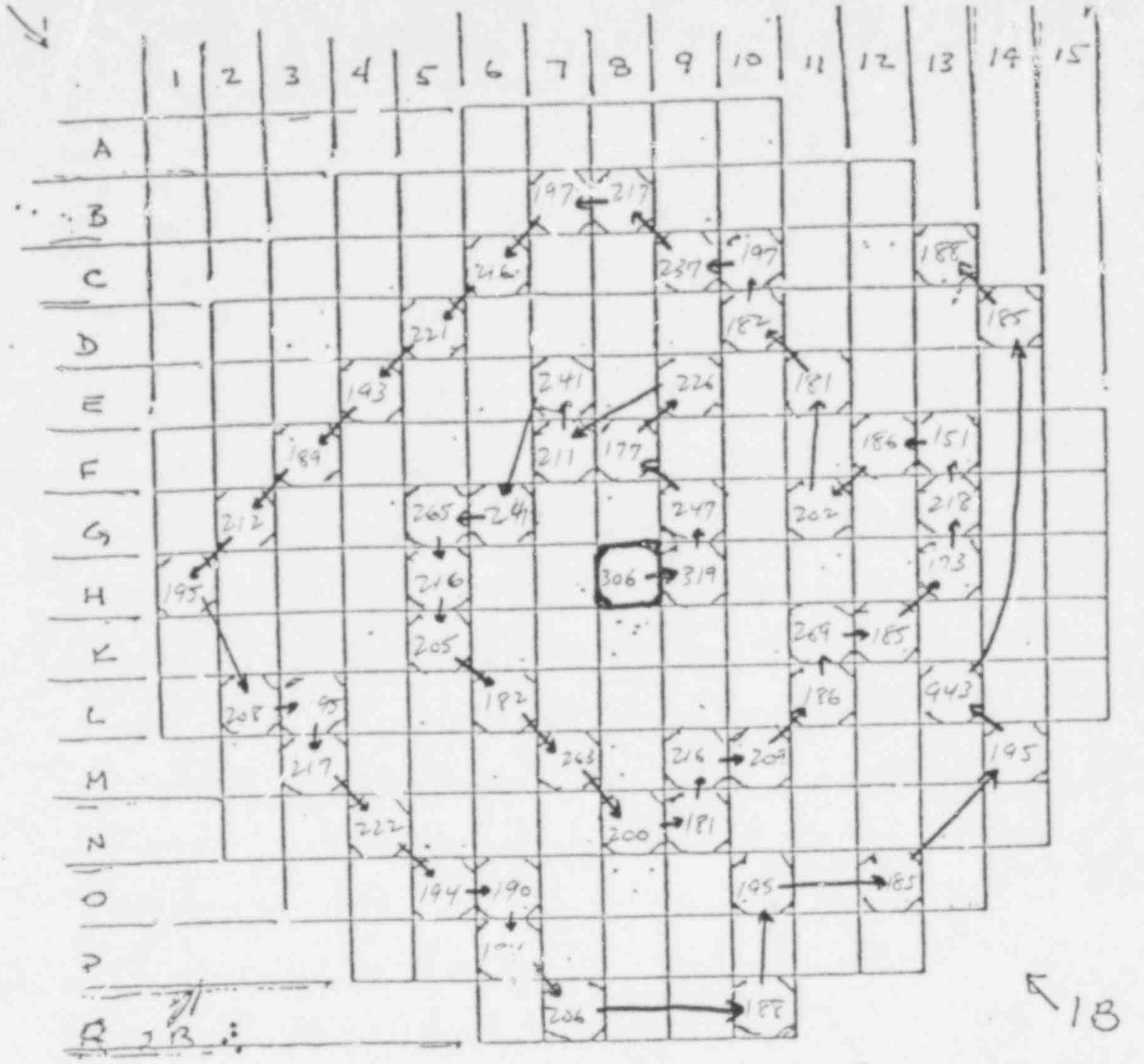
LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS
THREE MILE ISLAND NUCLEAR STATION UNI
FIGURE 4.

748: x10 PART
x10 I
x10 GAS
(OUT OF SERVICE; CALIBRATION)

Hydrogen Concentration ____ 7.

556055

CONTAINMENT:
Pressure -1.0 psig, Temperature ____ F



Date 4/27/79

Time 0100

RCS Pressure 893

Loop A inlet 173 $T_{A_{Hot}}$ 187   ΔT =

Loop B inlet 156 $T_{B_{Hot}}$ 206   ΔT =

Pressure 541

Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

B out   WIND 25 mph @ 300°

3240 -

219: 8.15 x 10^{-9} PART.

faulty Recording Instrument misread → 5.29 x 10^{-7} I

Info from Jim ... J Stone 4/27/79

3.71 x 10^{-4} GAS

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4.

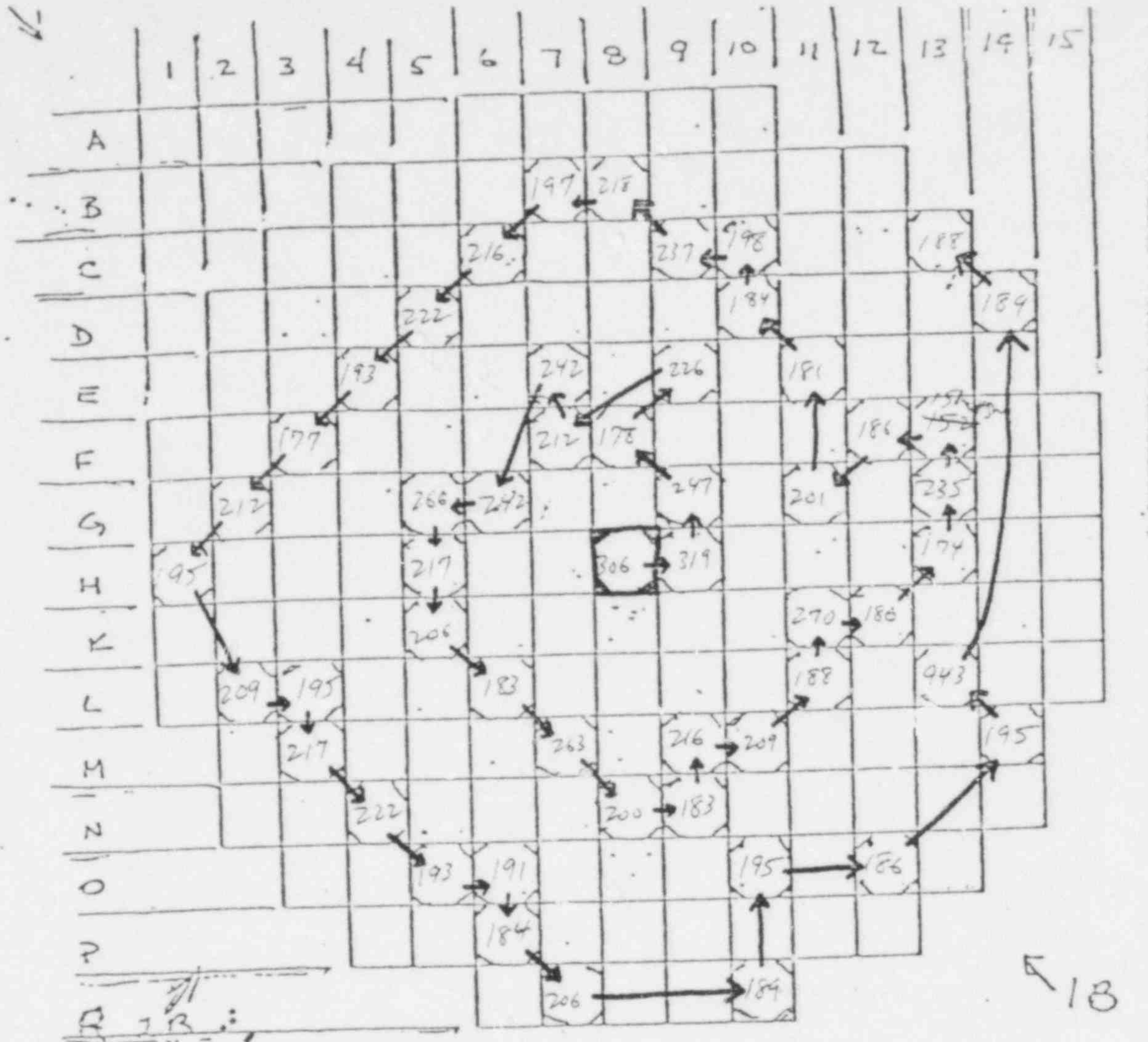
748: 3.84 x $10^{-?}$ PART
4.53 x 10^{-5} I
9.26 x 10^{-4} GAS
} cpm

(No Confid in values)

Hydrogen Concentration ____ 7.

556056

CONTAINMENT:
Pressure -1.0 psig, Temperature ____ F



Date 4/28 | B out | Wind mph
Time 0001 | 3240 | 330° 6 mph
| 219 | 0.7 x 10⁻ Part
| | 4.2 x 10⁻⁹ I
| | 4.72 x 10⁻⁴ gas

Press. Pressure 898

Inlet 174 — TA Hot 189 — ΔT = 15

Cold Inlet 161 — TB Hot 206 — ΔT = 45

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS
THREE MILE ISLAND NUCLEAR STATION UNI
FIGURE 4.

Pressure ______

Pressurizer 538

Press SGA ______

Press SGB ______

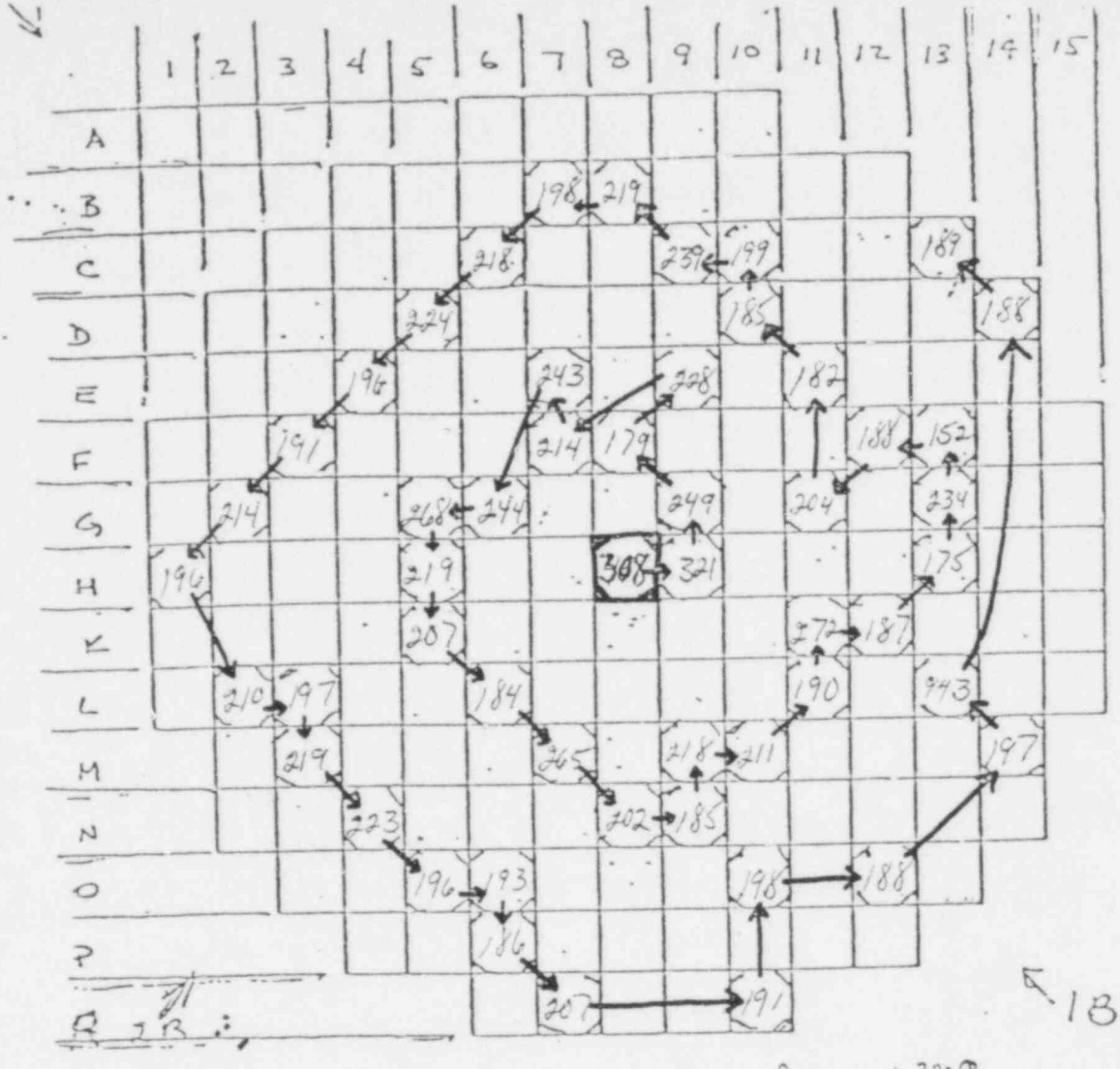
Letdown Flow ______

748 ______ x 10⁻ Part
______ x 10⁻ I
______ x 10⁻ gas

Hydrogen Concentration ______ 7.

556057

CONTAINMENT:
Pressure: -9 psig, Temperature ______ F



Date 4/27/79

Time 2300

Closure 868 cycling Htrs

Inlet 174 T_{HA} 190 $\Delta T = 16$

Inlet 164 T_{HB} 208 $\Delta T = 44$

Pressure 537F

Pressurizer ____

CSS SGA -14"

CSS SGB -14" Lvl 80.5%

Blown Flow ____

B out Wind 6 mph 320°

3240 = 12

219 5.54×10^{-9} Part

8.88×10^{-9} I

4.88×10^{-4} gas

748 $X 10^{-}$ Part } e.o.s.

$\times 10^{-}$ I

$\times 10$ gas

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

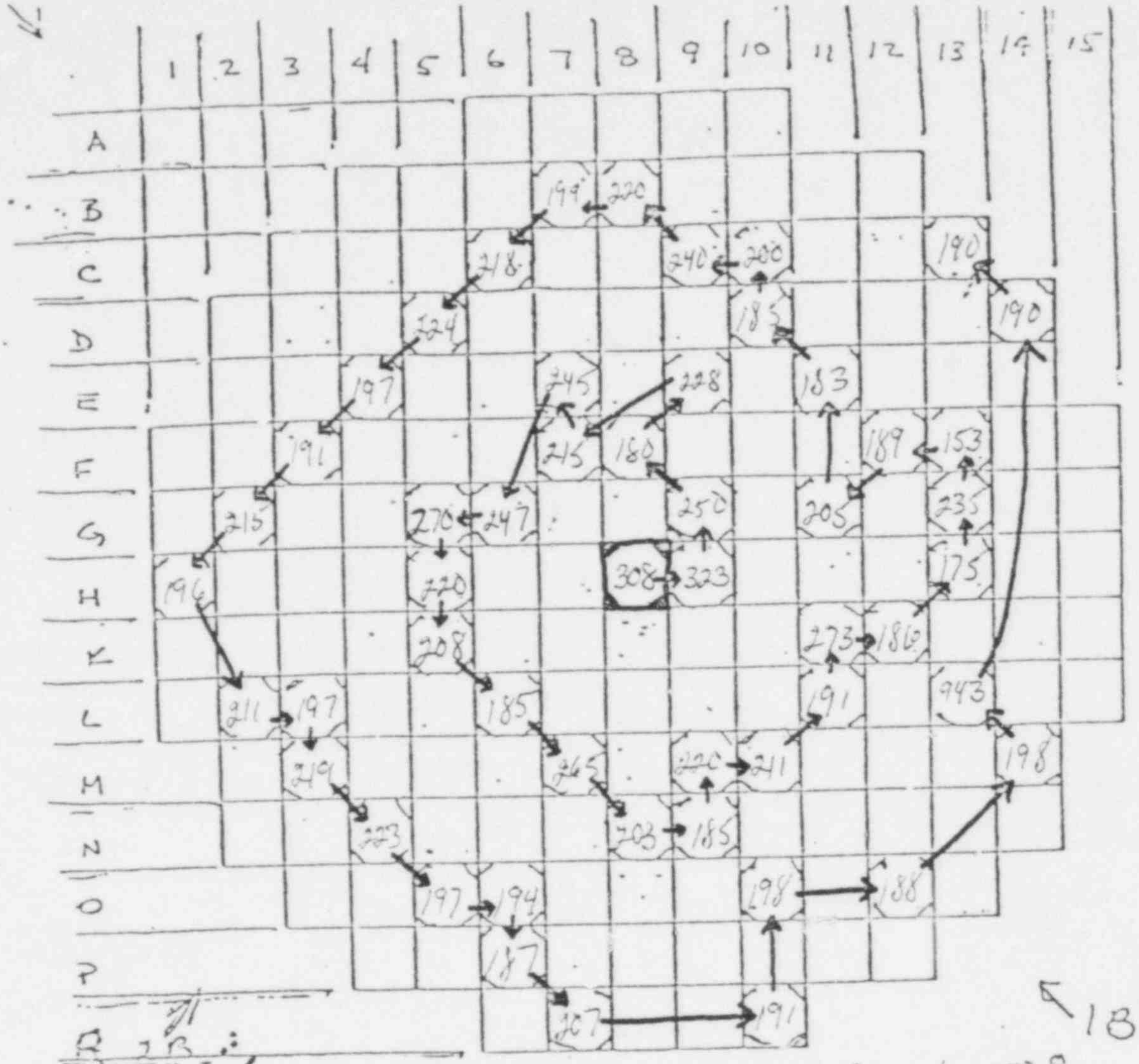
FIGURE 4.

Hydrogen Concentration ____ %

556058

CONTAINMENT:

Pressure -0.9 psig Temperature ____ F



Date 4/27/79

Time - 2200

ss.
essure 893

inlet 174 TAH 190 ΔT 16

inlet 166 TBH 208 ΔT 42

ressure 537

Pressurizer ____

ess SGA ____

ess SGB ____

flown Flow ____

B out

WIND 3 mph 330°

3240 - 12

219 { 3.93×10^{-8} Part; 2.11×10^{-8} I; 1.23×10^{-3} Gas }

748 { 1.70×10^{-8} Part; 1.69×10^{-7} I; 6.51×10^{-3} gas }

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

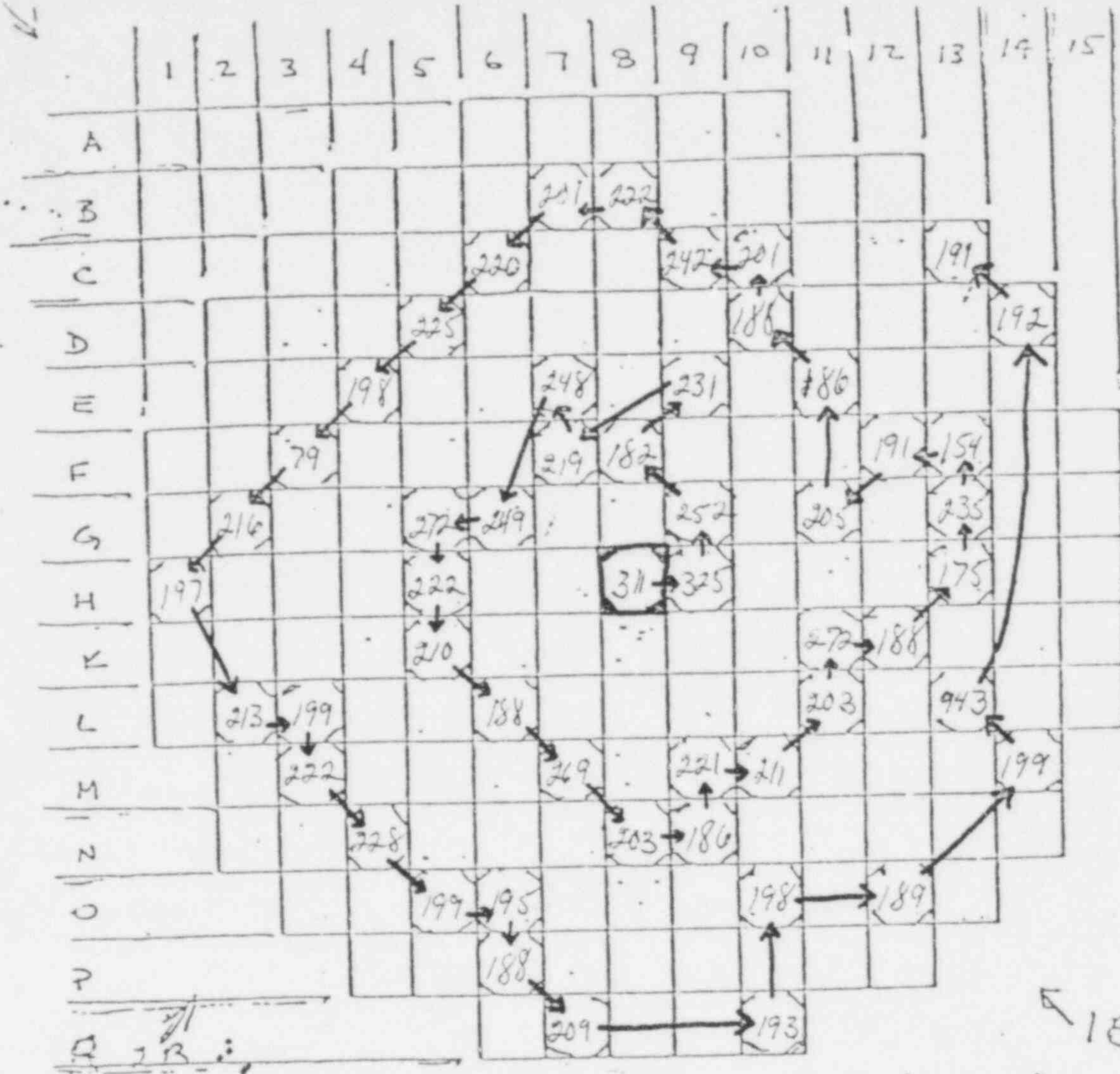
FIGURE 4

Hydrogen Concentration ____ 7.

556059

CONTAINMENT:
Pressure: -0.8 psig, Temperature ____ F

ORIGINAL



Date 4/27/79

Time – 2100

...ss. ...ressure 988

... inlet 127 THA 193 ΔT = 16

... inlet 169 THB 208 ΔT = 39

...ressure 541

Pressurizer ____

...ress SGA ____

...ress SGB ____

...flown Flow ____

B out Wind 7mph 310°

3240 – 15

219 9.75×10^{-9} Part

8.60×10^{-9} I

1.67×10^{-3} gas

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4.

748 3.10×10^{-8} part

9.53×10^{-8} I

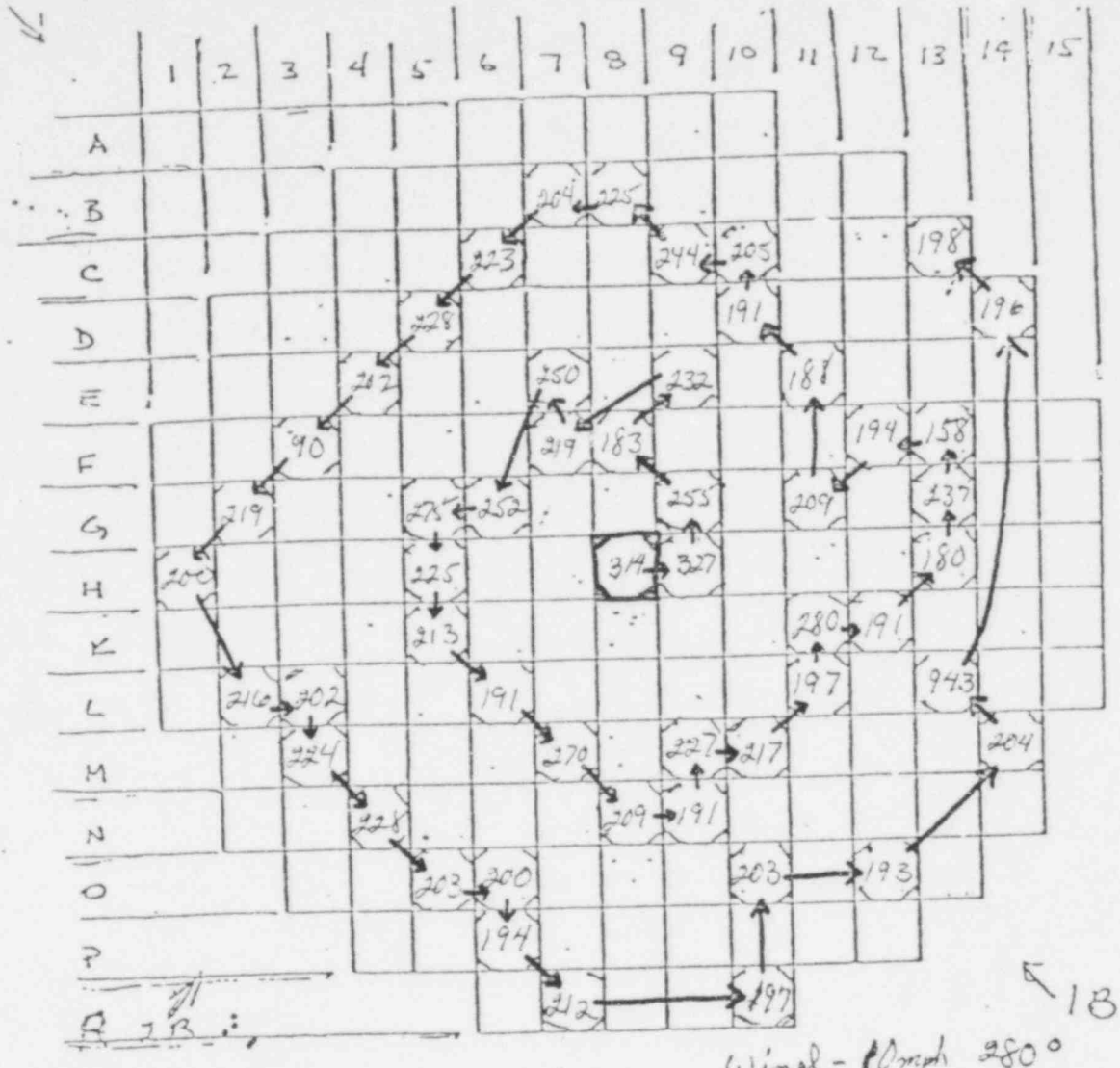
5.68×10^{-3} gas

Hydrogen Concentration ____

556060

CONTAINMENT:

Pressure: –0.7 psig, Temperature ____ F



Date 4/27/79

Time 2000

Pressure 891

B out

Wind - 10 mph 280°

3240 - .12

2.19 - 4.01 x 10^-9 Part
6.85 x 10^-10 I
4.65 x 10^-4 Gas

T_{CA} inlet 179 T_{HA} 199 ΔT 20

T_{CB} inlet 174 T_{HB} 208 ΔT 34

Temperature 541

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS
THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4.

Pressurizer ____

CSS SGA ____

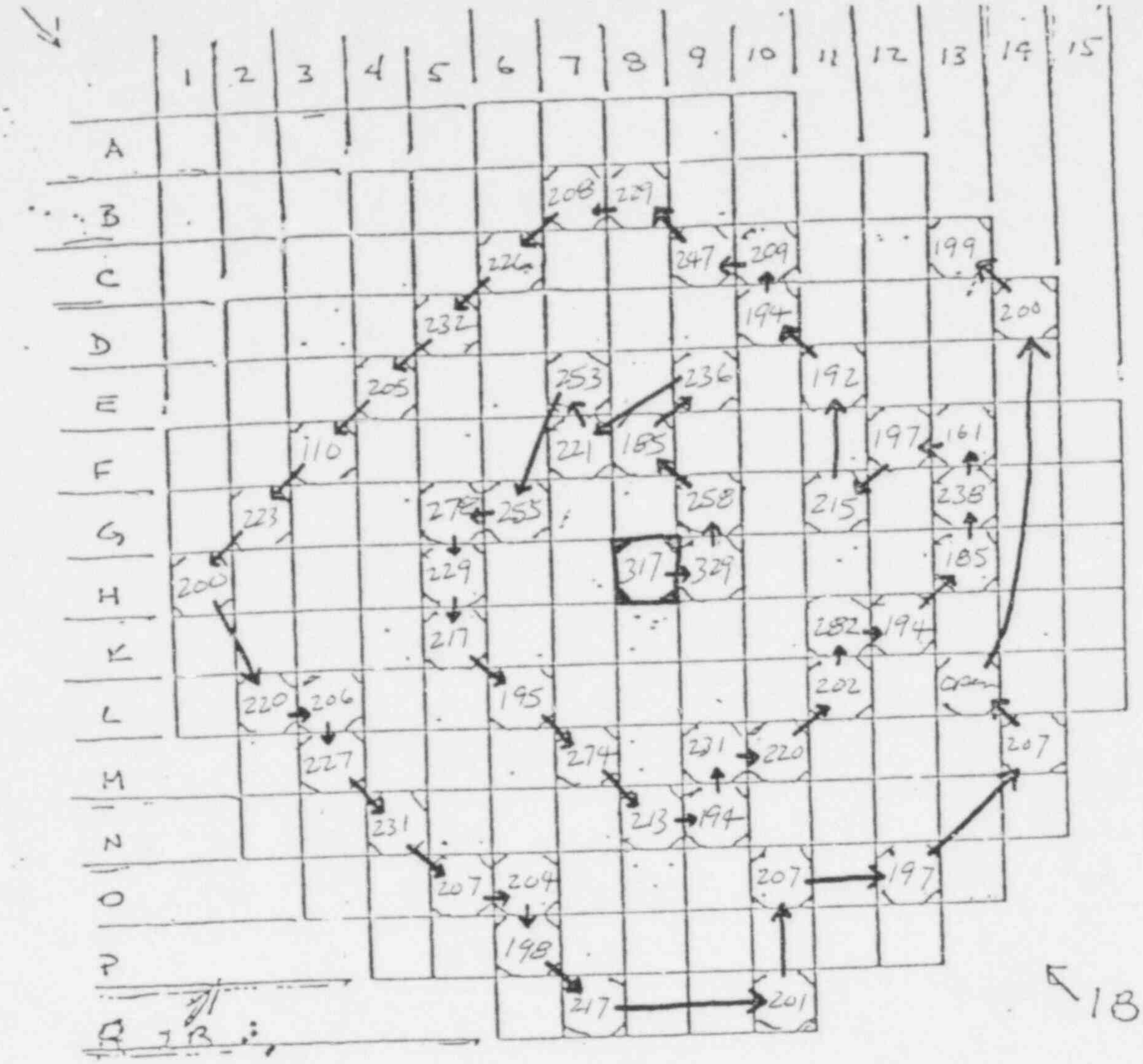
CSS SGB ____

Flow Flow ____ Part 4.35 x 10^-9
748. I 9.07 x 10^-8
gas 4.77 x 10^-3

Hydrogen Concentration ____ %

556061

CONTAINMENT:
Pressure -0.1 psig, Temperature ____ F



Date 4
Time 1900
Press. Pressure 908

inlet ~~184~~ 182   208
inlet ~~[illegible]~~ 179   209
Pressure 5?2
Pressurizer ______
Press SGA ______
Press SGB ______
Letdown Flow ______

B out

Part 5.58×10^{-9}
I- 6.75×10^{-7}
Gas 5.52×10^{-4}

Wind 290° 8 mph

3740-11

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

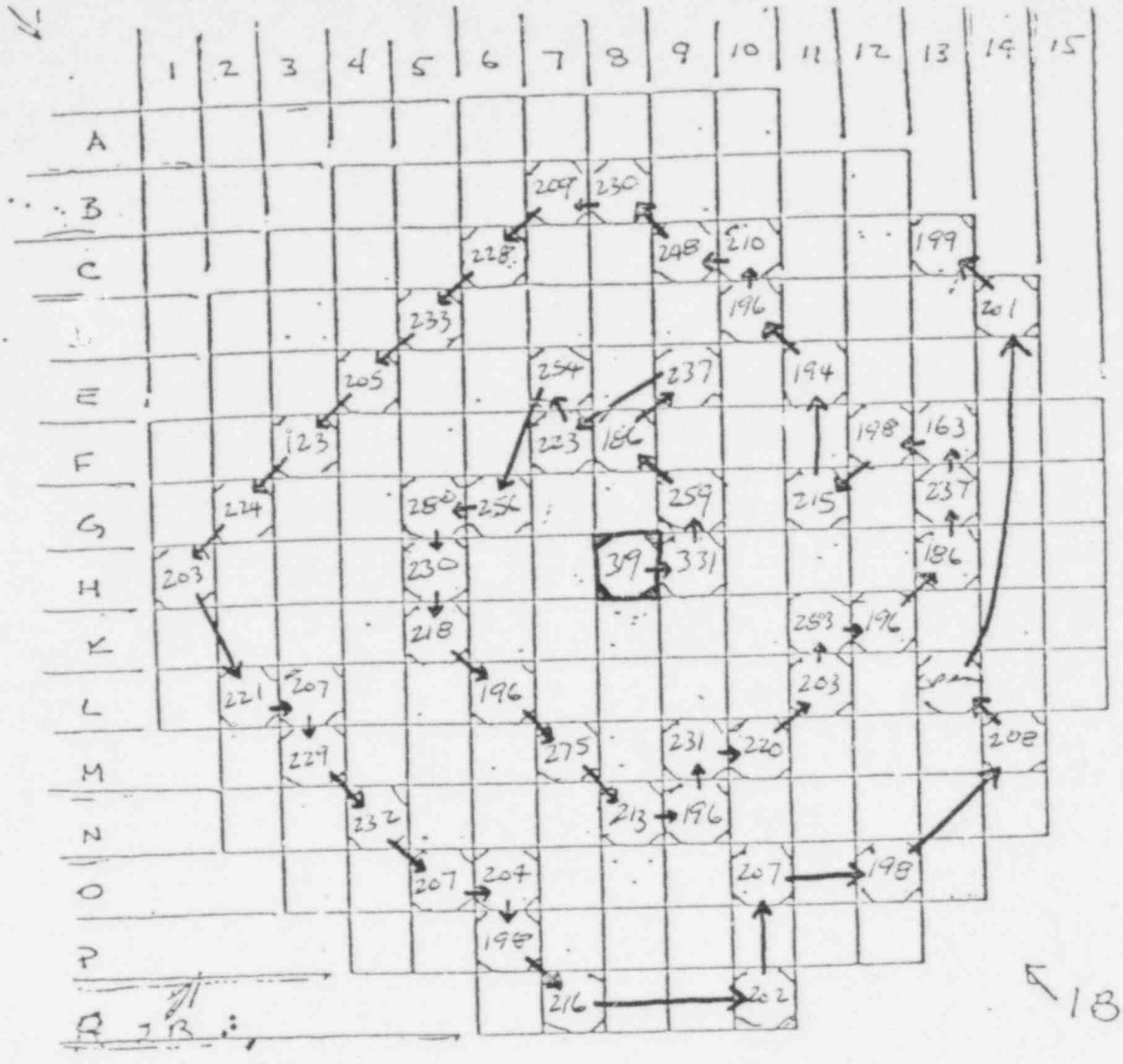
THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

Hydrogen Concentration ______ 7.

WGL Part $1.7+ \times 10^{-8}$
Cont Air Sample I 3.71×10^{-8}
CONTAINMENT: Gas ~~[illegible]~~ $\times 10^{-3}$ 4.6
Pressure: -.7 psig, Temperature ______F

556062



Date 4/27/79

Time 1830

Pressure 945

T inlet 185 202

T inlet 182 208

Temperature 543

Pressurizer ——

Press SGA ——

Press SGB ——

Blown Flow ——

B out

Part. 2.03 $\times 10^{-8}$

Gas 7.17 $\times 10^{-4}$

Wind 300°

V. 14 mph

3240 12

I. 8.03 $\times 10^{-9}$

Hydrogen Concentration ——— %

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

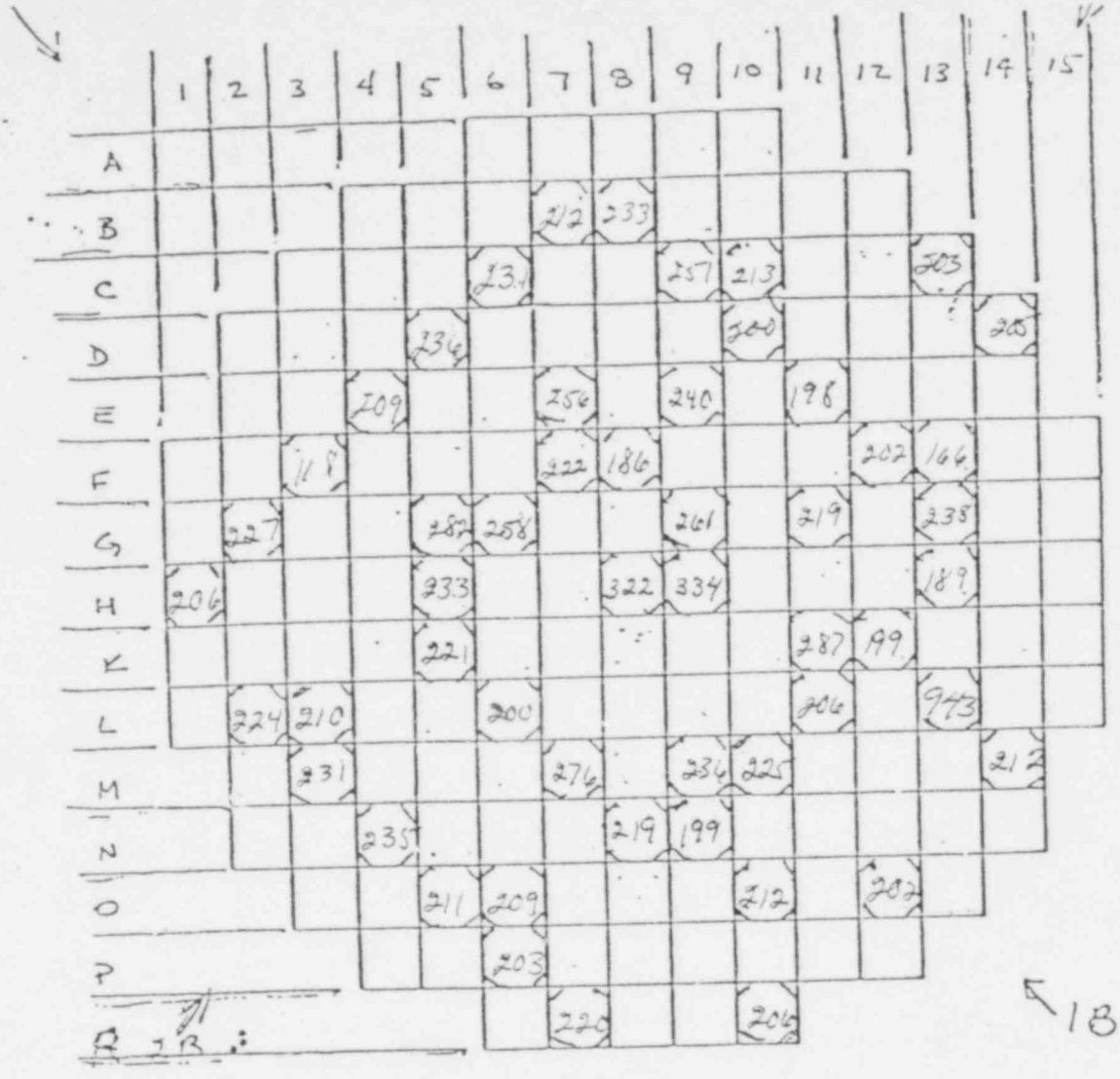
THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4.

556063

CONTAINMENT:

Pressure —— psig Temperature ——— F



Date 4/27/79

Time 18cr

Press. Pressure 913

TA inlet 197 205

TB inlet 185 206

T pressure 543

L Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

B out

Wind 285° 8 mph

I -9.90 x10^-9

Hydrogen Concentration ____

CONTAINMENT:

Pressure ____ psig, Temperature ____ F

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UN

FIGURE 4

Thermocouple Read-out Sequence

8H 322	12F 202	10-0 212
9H 334	11G 219	12-0 202
9G 261	11E 198	14-M 212
8F 186	10D 200	13-L 943
9E 240	10C 213	14-0 205
7F 222	9C 251	13-C 203
7E 256	8B 233	
6G 258	7B 212	
5G 282	6C 231	
5H 233	5D 236	
5K 221	4E 209	
6L 200	3F 118	
7M 276	2G 227	
8N 219	1H 206	
9N 199	2L 224	
9M 236	3L 210	
10M 225	3M 231	
11L 206	4N 235	
11K 287	5-0 211	
12K 199	6-0 209	
13H 189	6P 203	
13G 238	7R 220	
13F 166	10R 206	

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A															
B							217	234							
C						232			252	216			205		
D					237					201				206	
E				210			256		240		200				
F			121				223	185				203	167		
G		228			283	256			262		219		238		
H	206				234			227	336				191		
K					223						288	201			
L		222	212			201					208		943		
M			233				279		237	227				214	
N				236				219	201						
O					213	210				213		204			
P						206									
R							224			207					

R 1B

↖ 18

B out

Date 4/27/79

Time 1730

Press. Pressure 911

TA inlet ~~202~~ 208 189

TB inlet ~~199~~ 209 187

T pressure 543

L pressurizer ___

Press SGA ___

Press SGB ___

Letdown Flow ___

285 12 mph

I 5.88x10-9

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

Met Ed

FIGURE 4

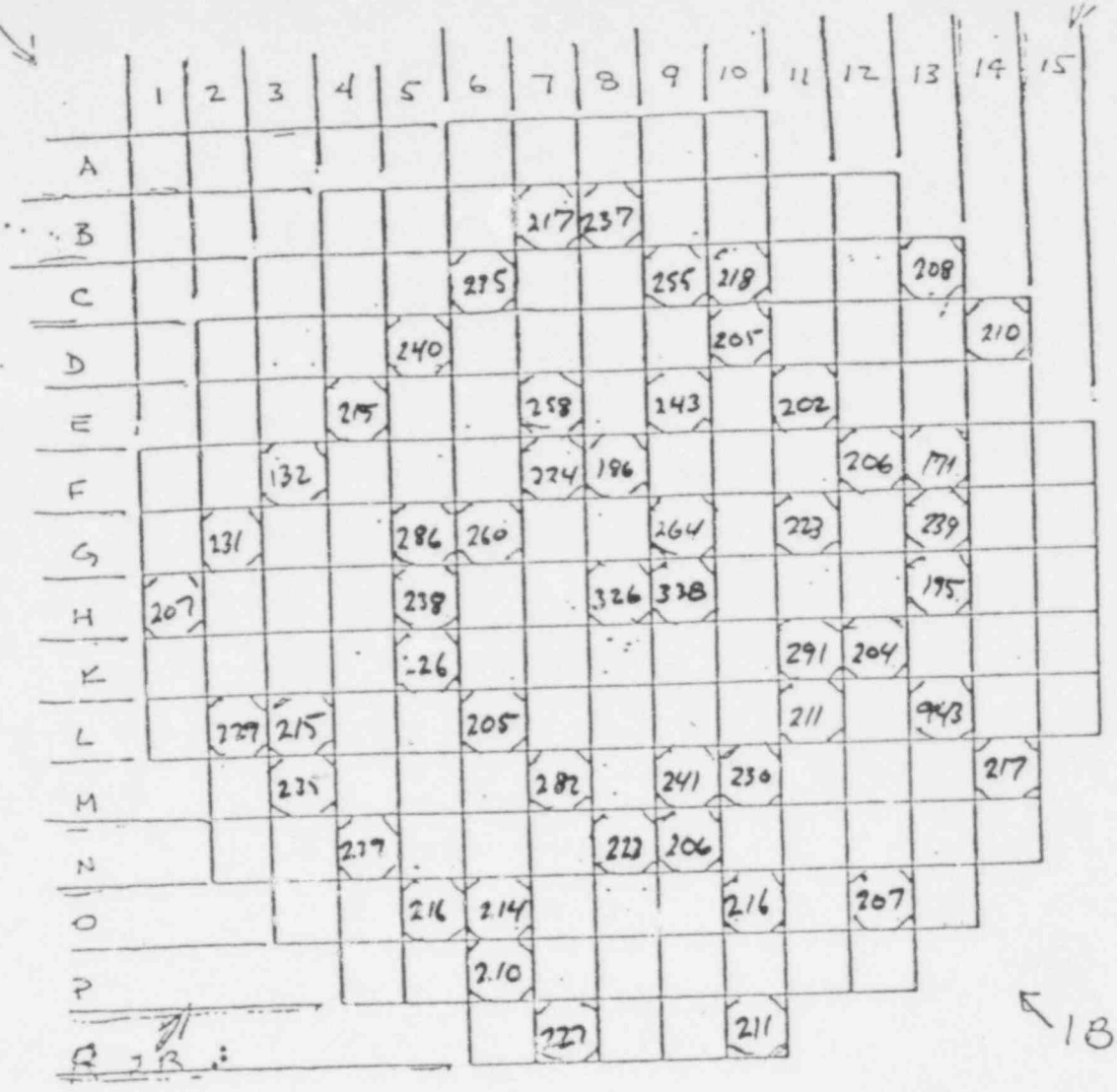
Hydrogen Concentration ___

556066

CONTAINMENT:
Pressure ___ psig, Temperature ___ F

Thermocouple Read-out Sequence

8H 323	12F 203	10-O 213
9H 336	11G 219	12-O 204
9G 262	11E 200	14-M 214
8F 185	10D 201	13-L 943
9E 240	10C 216	14-D 2
7F 223	9C 252	13-C 203
7E 256	8B 234	
6G 258	7B 213	
5G 283	6C 232	
5H 234	5D 237	
5K 223	4E 210	
6L 201	3F 121	
7M 279	2G 228	
8N 219	1H 206	
9N 201	2L 226	
9M 237	3L 212	
10M 227	3M 233	
11L 208	4N 236	
11K 288	5-O 213	
12K 201	6-O 210	
13H 191	6P 206	
13G 238	7R 224	
13F 167	10R 207	



Date ____

Time 1700

Press. Pressure 910

T_A inlet out 210 in 193

T_B inlet out 209 in 190

T pressure ~~910~~ 544

L Pressurizer ~~544~~ ~~915~~

Press SG A ____

Press SG B ____

Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UN

FIGURE 4

280° 12 MPH

- I 4.74 X 10^9

Hydrogen Concentration ____

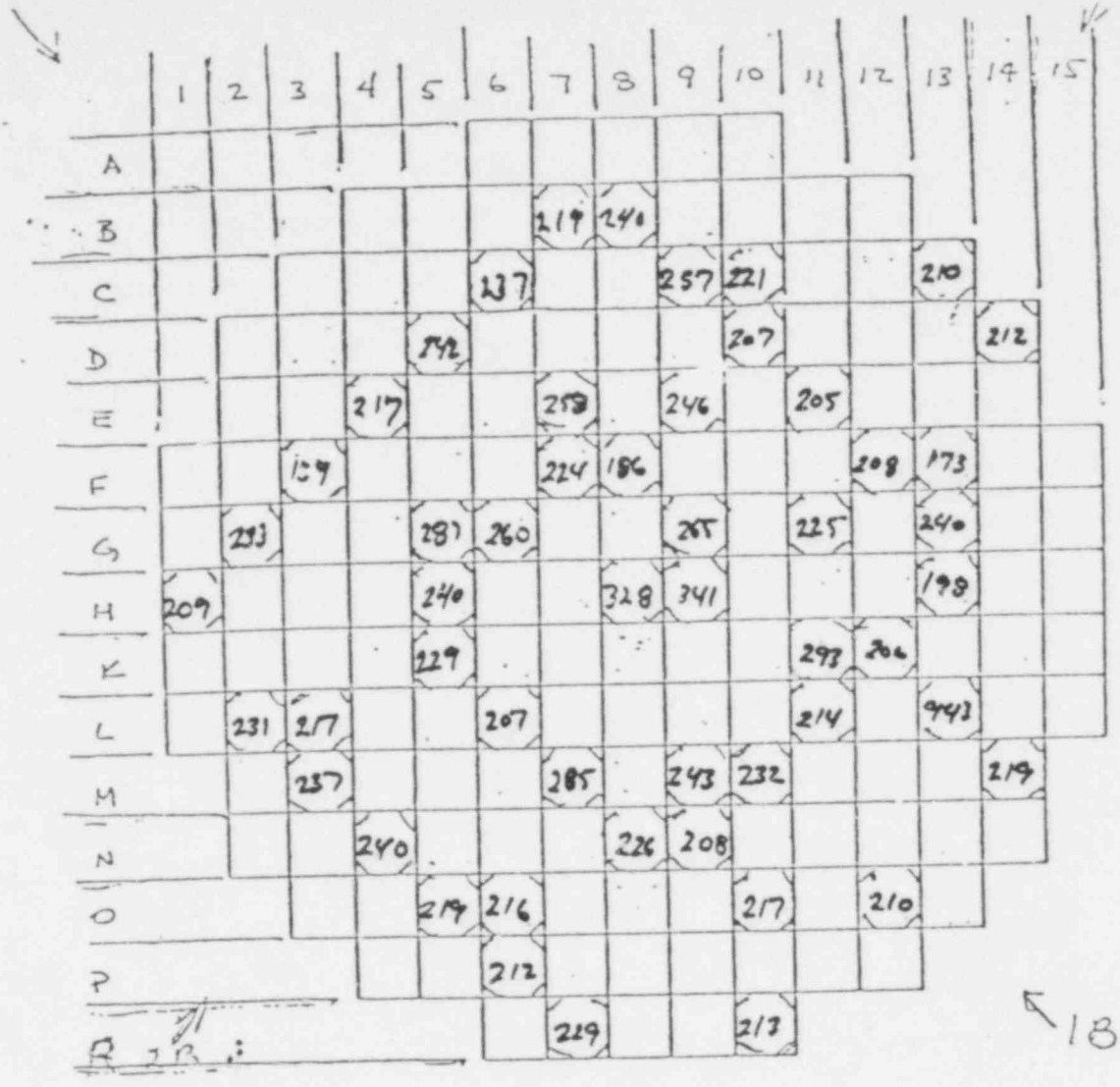
556068

CONTAINMENT:

Pressure ____ psig Temperature ____ F

Thermocouple Read-out Sequence

8H	326	12F	206	10-0	216
9H	338	11G	223	12-0	207
9G	204	11E	202	14-M	217
8F	186	10D	205	13-L	943
9E	243	10C	218	14-D	210
7F	224	9C	255	13-C	208
7E	258	8B	237		
6G	200	7B	217		
5G	284	6C	235		
5H	238	5D	240		
5K	226	4E	215		
6L	20F	3F	132		
7M	282	2G	231		
8N	223	1H	207		
9N	206	2L	229		
9M	241	3L	215		
10M	230	3M	235		
11L	211	4N	239		
11K	291	5-0	216		
12K	204	6-0	214		
13H	195	6P	210		
13G	239	7R	227		
13F	171	10R	211		



Date 4/27/79

Time 1620

Press. Pressure 933

T_A inlet 196 T_HA 212

T_B inlet 194 T_HB 209

T pressure 544

L Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

B out

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

Hydrogen Concentration ____ %

550070

CONTAINMENT:

Pressure: ____ psig Temperature ____ F

ORIGINAL

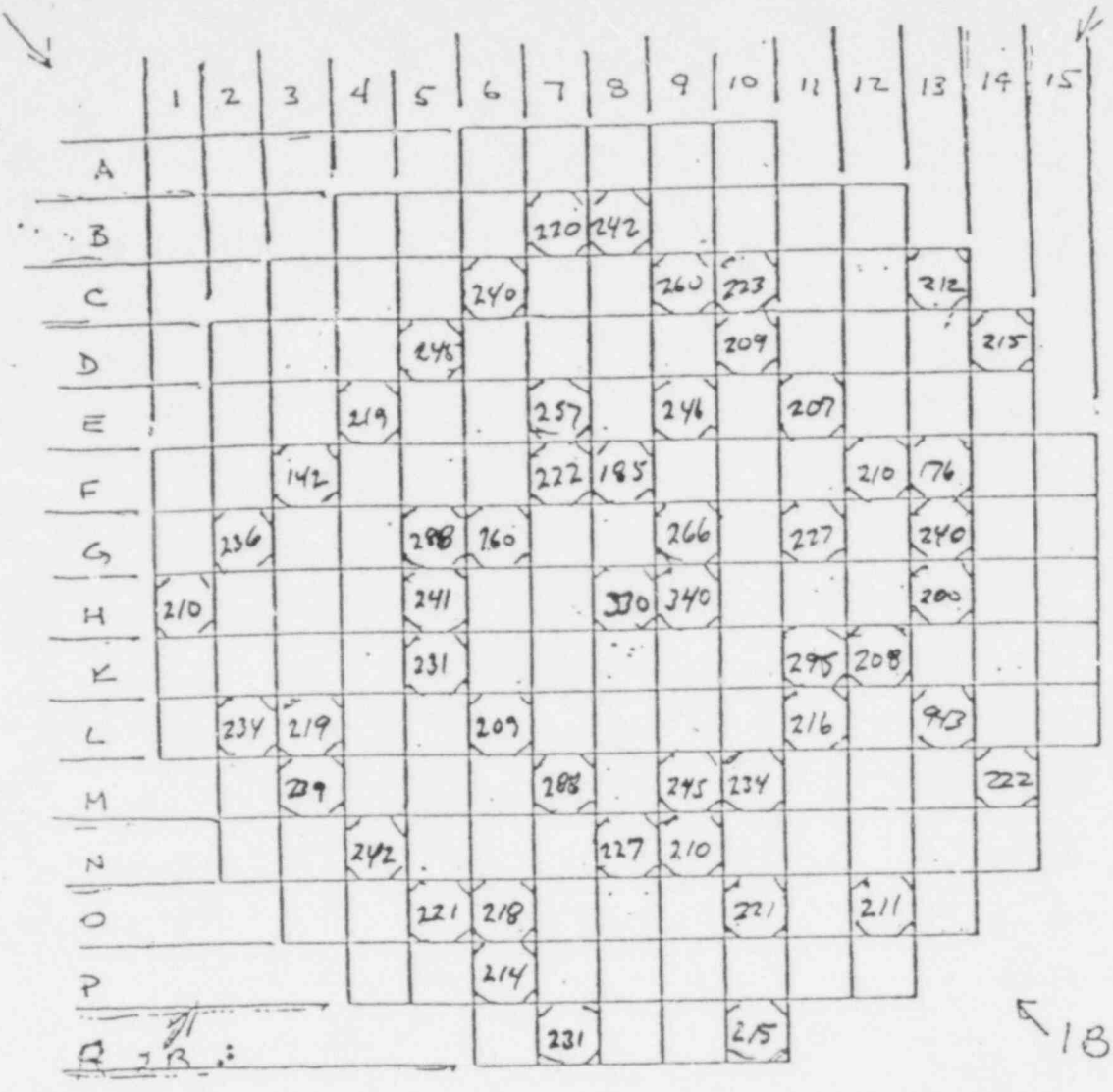
4/27/79 ~~1630~~ 1626

Thermocouple Read-out Sequence

8H	~~290~~ 328	12F	208	10-O	217
9H	341	11G	225	12-O	210
9G	265	11E	205	14-M	219
8F	186	10D	207	13-L	943
9E	246	10C	221	14-D	212
7F	224	9C	257	13-C	210
7E	257	8B	240		
6G	260	7B	219		
5G	237	6C	237		
5H	240	5D	242		
5K	229	4E	217		
6L	207	3F	139		
7M	285	2G	233		
8N	226	1H	209		
9N	208	2L	231		
9M	243	3L	217		
10M	232	3M	237		
11L	214	4N	240		
11K	293	5-O	219		
12K	206	6-O	216		
13H	198	6P	212		
13G	240	7R	229		
13F	173	10R	213		

POOR ORIGINAL

556071



Date 4/27/79

Time 1400

Press. Pressure 970 turned htrs off

B out

T_A inlet 197 T_B 213

T_B inlet 193 T_{HO} 209

T pressure 545

L Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

Hydrogen Concentration ____

CONTAINMENT:

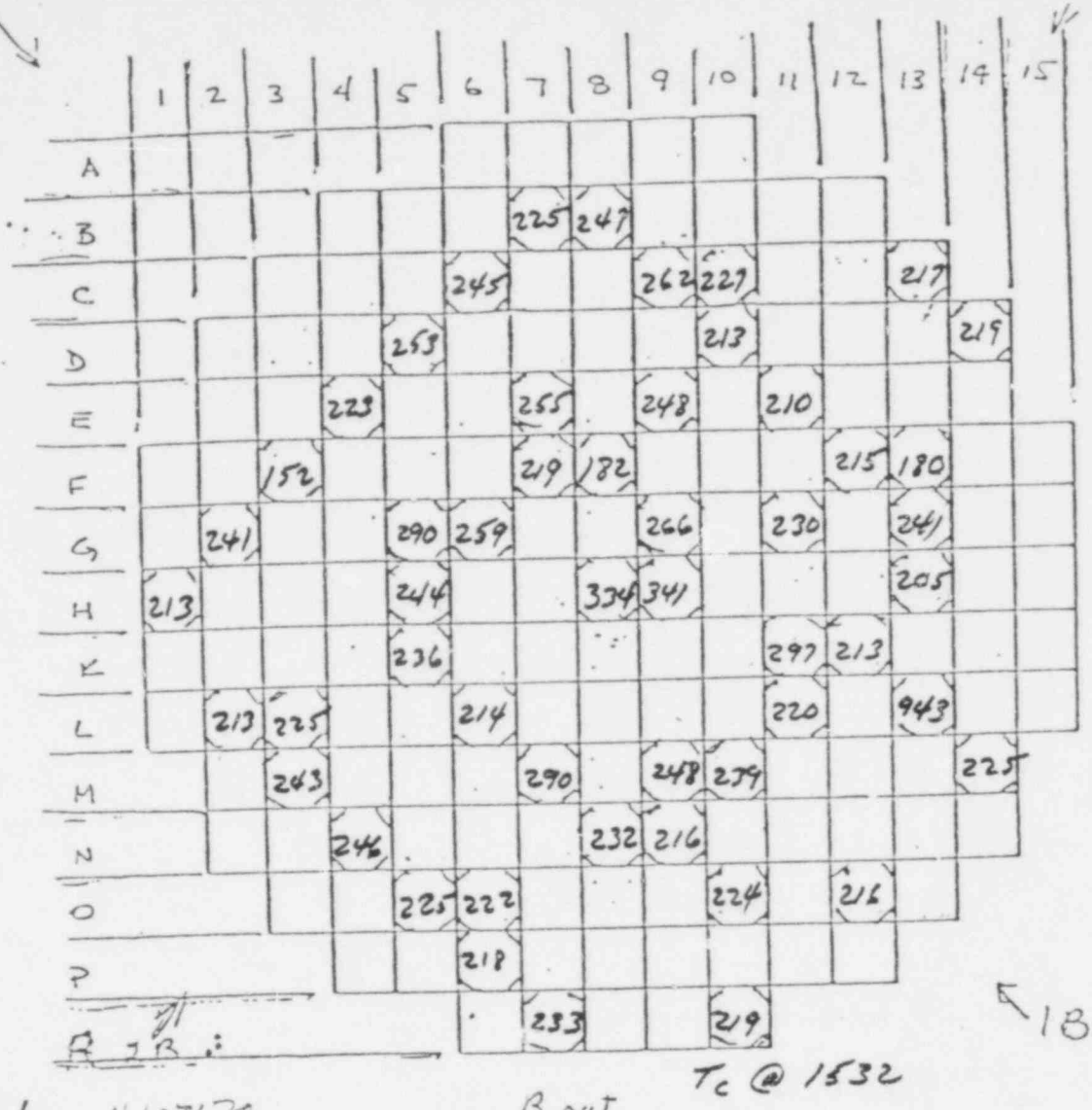
Pressure ____ psig, Temperature ____ F

556072

4/27/79 16.03

Thermocouple Read-out Sequence

8H	330	12F	210	10-0	221
9H	340	11G	227	12-0	211
9G	266	11E	207	14-M	222
8F	185	10D	209	13-L	943
9E	246	10C	223	14-0	215
7F	222	9C	260	13-C	212
7E	252	8B	242		
6G	260	7B	220		
5G	288	6C	240		
5H	241	5D	245		
5K	231	4E	219		
6L	209	3F	142		
7M	288	2G	236		
8N	227	1H	216		
9N	210	2L	234		
9M	245	3L	219		
10M	234	3M	239		
11L	216	4N	242		
11K	295	5-0	221		
12K	208	6-0	218		
13H	200	6P	214		
13G	240	7R	231		
13F	176	10R	215		



Date 4/27/79

Time 1540

Press. Pressure 951

T_A inlet 200 T_{HA} 218

T_B inlet 197 T_{HB} 212

T pressure 544

L pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

Hydrogen Concentration ____ %

074

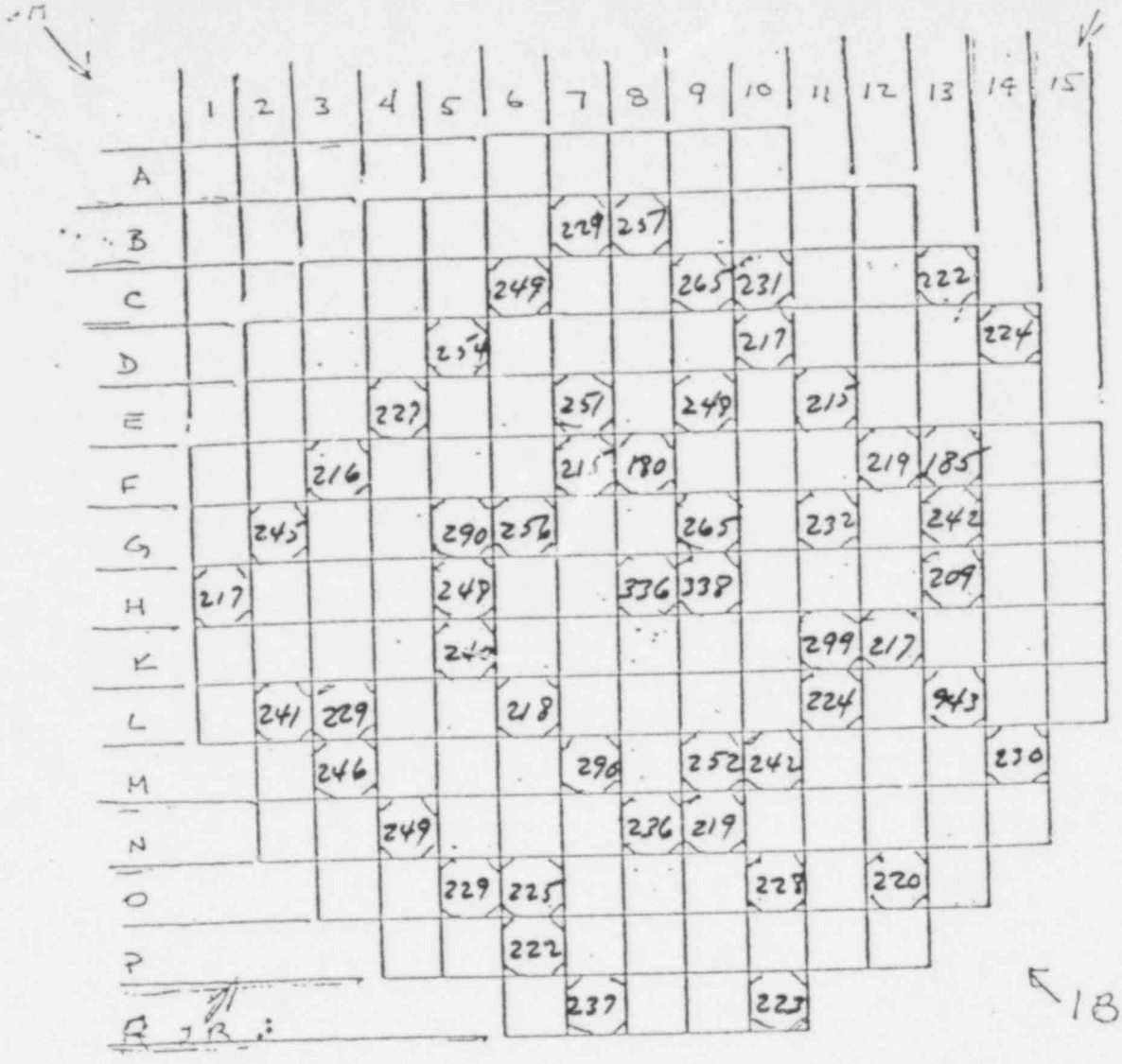
CONTAINMENT:

Pressure ____ psig, Temperature ____ F

1532 4/27/79

Thermocouple Read-out Sequence

8H	334		12F	215		10-0	224
9H	341		11G	230		12-0	216
9G	266		11E	210		14-M	225
8F	182		10D	213		13-L	943
9E	248		10C	227		14-D	219
7F	219		9C	262		13-C	217
7E	255		8B	247			
6G	259		7B	225			
5G	290		6C	245			
5H	244		5D	253			
5K	236		4E	223			
6L	214		3F	152			
7M	290		2G	241			
8N	232		1H	213			
9N	216		2L	237			
9M	248		3L	225			
10M	239		3M	243			
11L	220		4N	246			
11K	297		5O	225			
12K	213		6O	222			
13H	205		6P	218			
13G	241		7R	233			
13F	180		10R	219			



Date 4/27/79

Time 1515

Press. Pressure 916

B out

$T_{A\ inlet}$ 203 T_{AH} 221

$T_{B\ inlet}$ 202 T_{BH} 218

T pressure 543

L pressurizer ____

Press SG A ____

Press SG B ____

Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UN

FIGURE 4

Hydrogen Concentration ____

556076

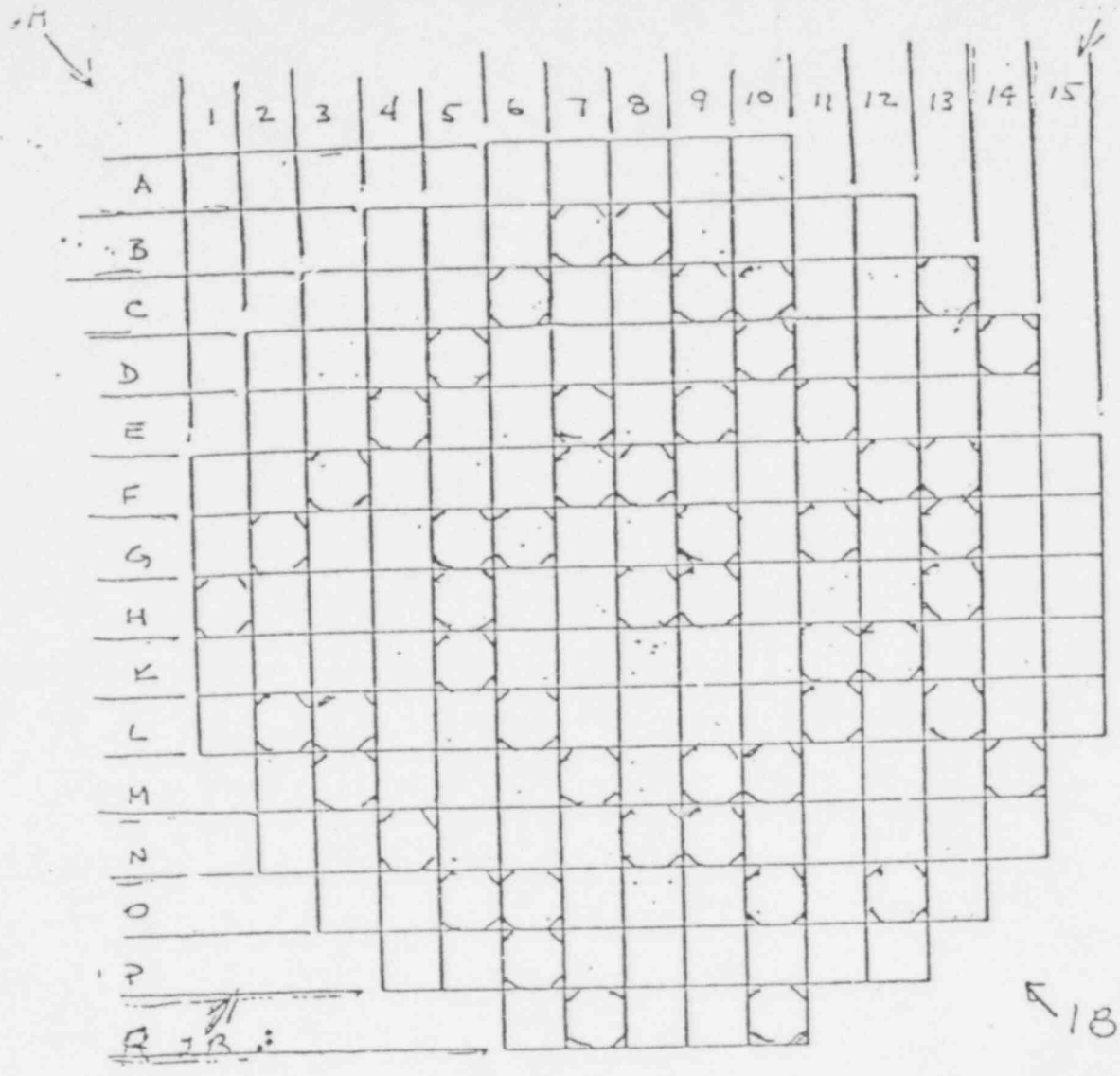
CONTAINMENT:

Pressure ____ psig, Temperature ____ F

4/27/79 1500

Thermocouple Read-out Sequence

8H	336	12F	219	10-0	228
9H	338	11G	232	12-0	220
9G	265	11E	215	14-M	230
8F	180	10D	217	13-L	943
9E	248	10C	231	14-D	224
7F	215	9C	265	13-C	222
7E	251	8B	251		
6G	256	7B	229		
5G	290	6C	249		
5H	248	5D	254		
5K	240	4E	227		
6L	218	3F	216		
7M	290	2G	245		
8N	236	1H	217		
9N	219	2L	241		
9M	252	3L	229		
10M	242	3M	246		
11L	224	4N	242		
11K	299	5-0	229		
12K	217	6-0	225		
13H	209	6P	222		
13G	242	7R	237		
13F	215	10R	223		



B out

Date 4/27/79

Time 1455

Press. Pressure 903

T_A inlet 206 T_{HA} 224

T_B inlet 209 T_{HB} 220

T pressure 542

L pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

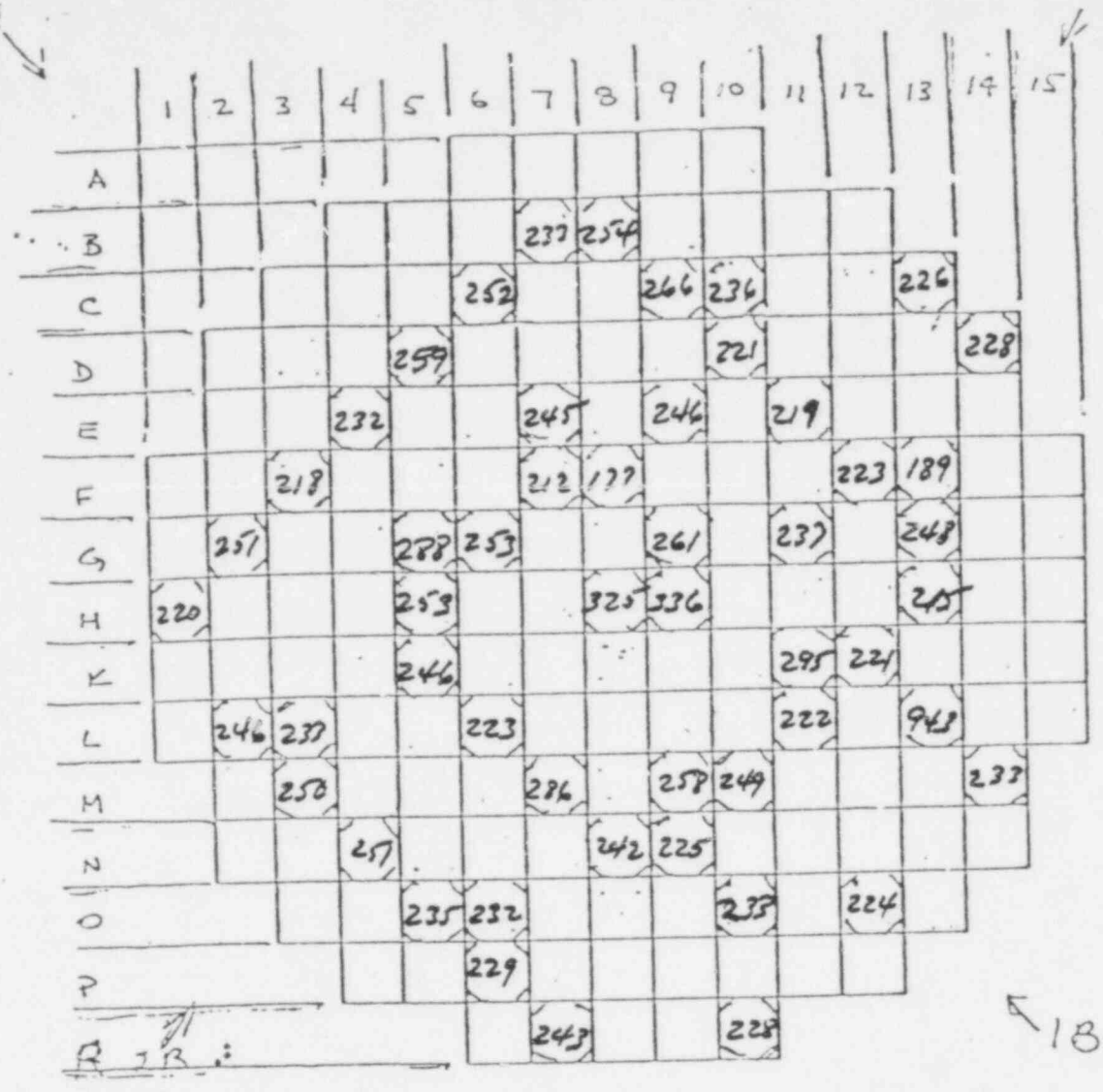
FIGURE 4

Hydrogen Concentration ____

556078

CONTAINMENT:

Pressure ____ psig, Temperature ____ F



Date 4/27/79 B out

Time 1435 1436 Tc Readings

Press. Pressure ____

THA 226

TA inlet 209

TB inlet 215 THB 222

T pressure ____

L Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UN

FIGURE 4

Hydrogen Concentration ____

556079

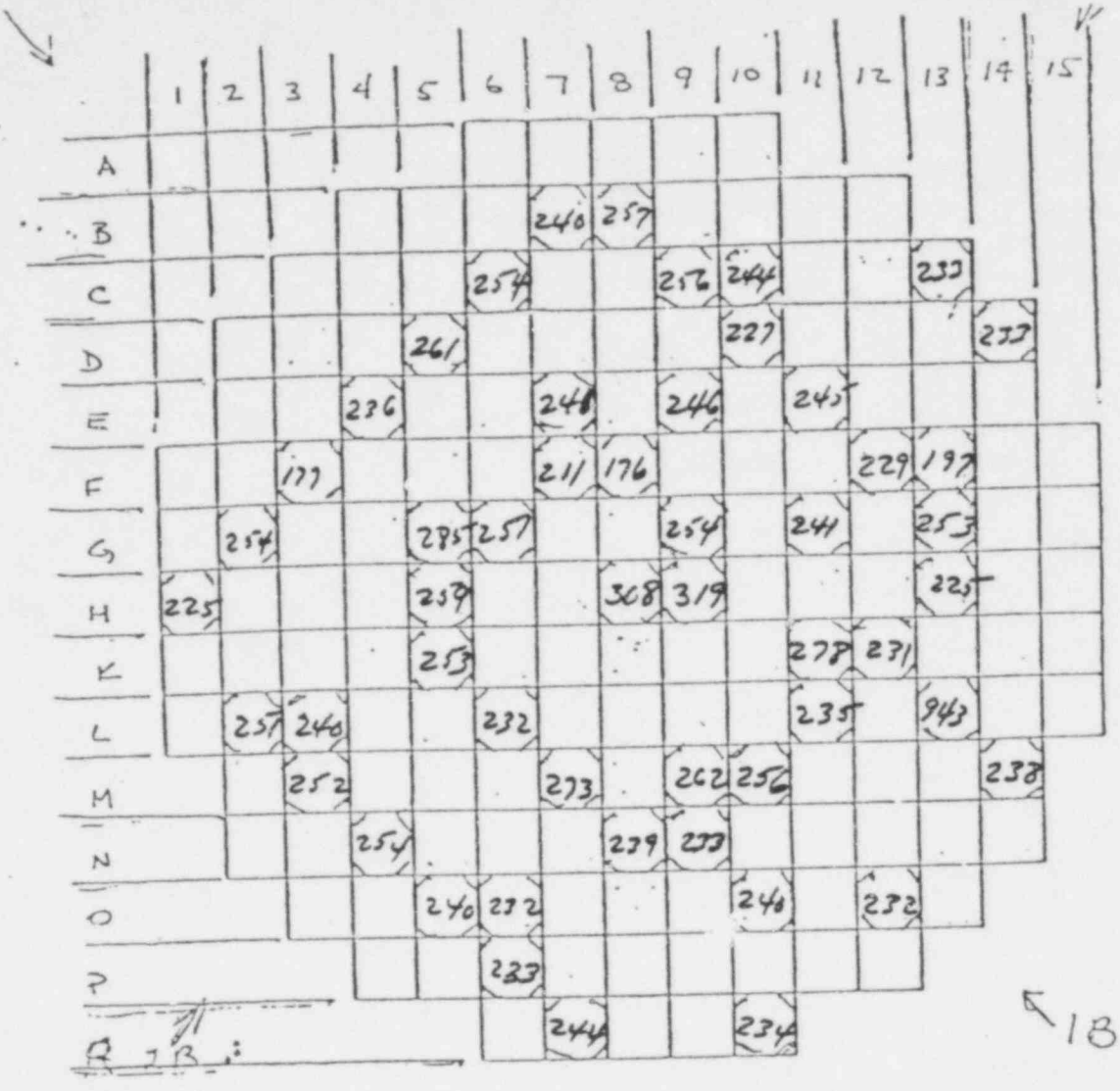
CONTAINMENT:

~~Pressure~~ ____ psig, Temperature ____ F

4/27/79 1436

Thermocouple Read-out Sequence

8H 325	12F 223	10-O 233
9H 336	11G 237	12-O 224
9G 261	11E 219	14-M 233
8F 177	10D 221	13-L 943
9E 246	10C 236	14-O 228
7F 212	9C 266	13-C 226
7E 245	8B 254	
6G 253	7B 233	
5G 288	6C 252	
5H 253	5D 259	
5K 246	4E 232	
6L 223	3F 218	
7M 286	2G 251	
8N 242	1H 220	
9N 225	2L 246	
9M 258	3L 233	
10M 249	3M 250	
11L 292	4N 251	
11K 295	5-O 235	
12K 221	6-O 232	
13H 215	6P 229	
13G 248	7R 243	
13F 189	10R 228	



Date 4/27/79

Time 1420

Press. Pressure ____

T_A inlet ____

T_B inlet ____

T pressure ____

L Pressurizer ____

Press SG A ____

Press SG B ____

Letdown Flow ____

B out

LOCATION OF FUEL ASSEMBLIES CONTAI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

Hydrogen Concentration ____ %

556081

CONTAINMENT:

Pressure ____ psig, Temperature ____ F

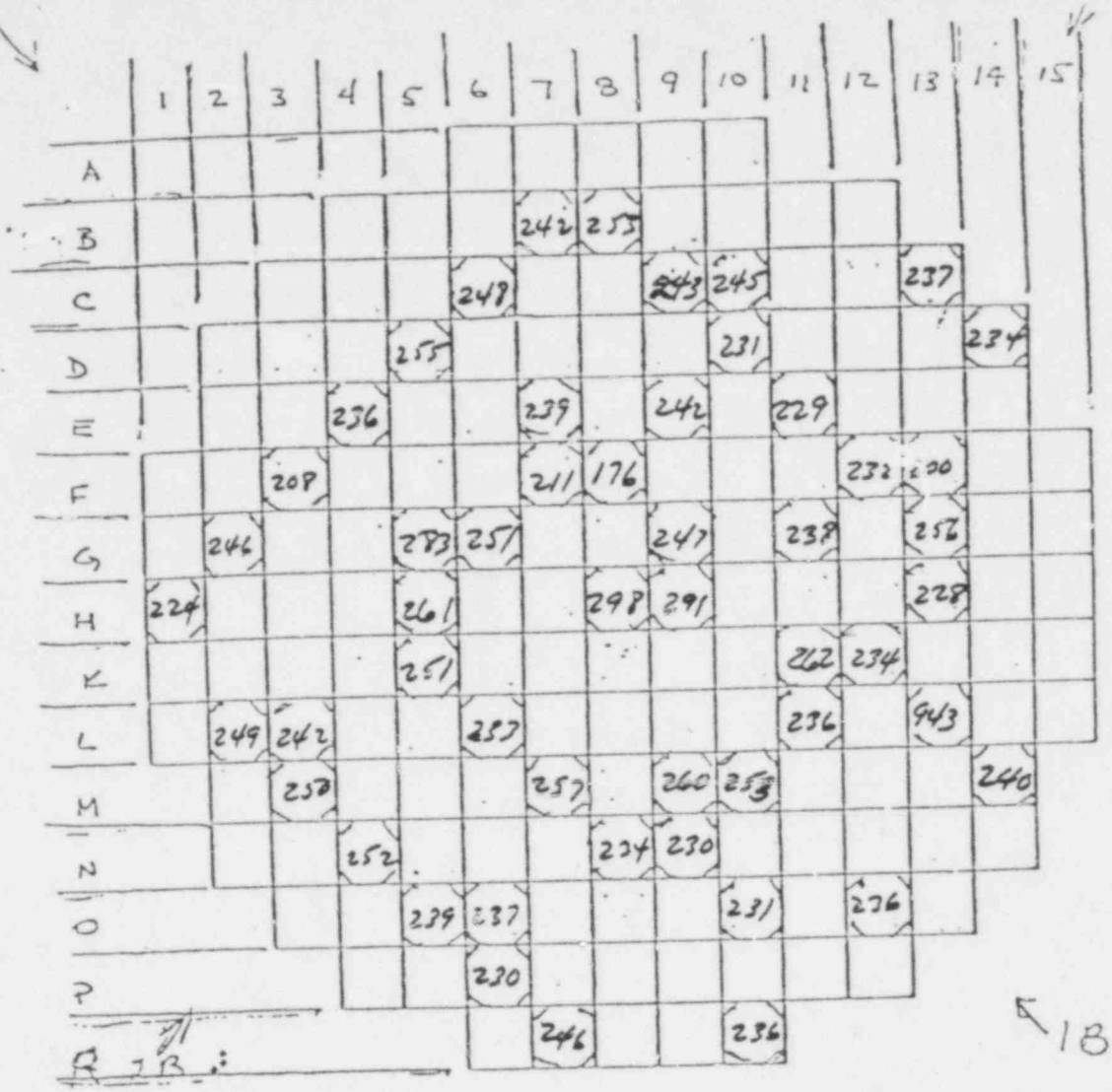
ORIGINAL

1420 4/27/—

Thermocouple Read-out Sequence

8 H	308	12 F	229	10-0	240
9 H	319	11 G	241	12-0	232
9 G	254	11 E	245	14-M	238
8 F	176	10 D	227	13-L	243
9 E	246	10 C	244	14-0	233
7 F	211	9 C	256	13-C	237
7 E	241	8 B	257		
6 G	251	7 B	240		
5 G	285	6 C	254		
5 H	259	5 D	261		
5 K	253	4 E	236		
6 L	232	3 F	177		
7 M	223	2 G	254		
8 N	239	1 H	225		
9 N	233	2 L	251		
9 M	262	3 L	240		
10 M	256	3 M	252		
11 L	235	4 N	~~234~~ 254		
11 K	278	5-0	240		
12 K	231	6-0	232		
13 H	225	6 P	233		
13 G	253	7 R	244		
13 F	197	10 R	234		

556082



Date 4/27/79

Time 1412

B out

Press. Pressure ____

TA inlet ____

TB inlet ____

T pressure ____

L pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UN

FIGURE 4

556083

Hydrogen Concentration ____

CONTAINMENT:

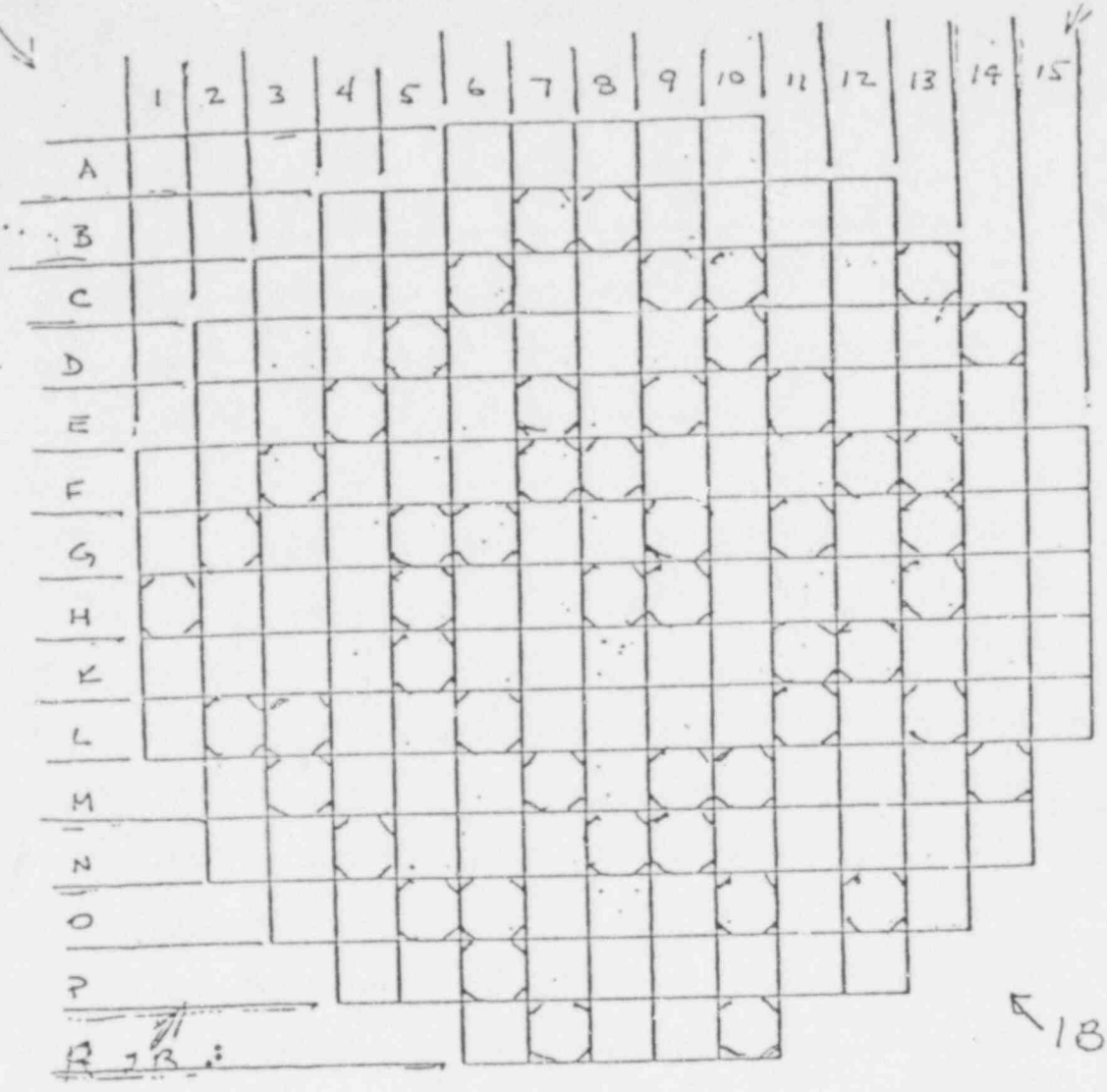
Pressure ____ psig, Temperature ____ F

ORIGINAL

1412 4/27

Thermocouple Read-out Sequence

8 H 298	12 F 232	10-0 231
9 H 291	11 G 238	12-0 236
9 G 247	11 E 229	14-M 240 240
8 F 176	10 D 231	13-L 943
9 E 242	10 C 245	14-D 234
7 F 211	9 C 243	13-C 237
7 E 239	8 B 253	
6 G 251	7 B 242	
5 G 283	6 C 248	
5 H 241	5 D 255	
5 K 251	4 E 236	
6 L 233	3 F 208	
7 M 257	2 G 240	
8 N 234	1 H 224	
9 N 230	2 L 249	
9 M 260	3 [illegible] 242	
10 M 253	3 M 250	
11 L 236	4 N 252	
11 K 262	5-O 239	
12 K 234	6-O 237	
13 H 226	6 P 230	
13 G 256	7 R 246	
13 F 200	10 R 236	



Date 4/27/79 B out

Time ~~1430~~ 1405 1435 ← after pump stuff

Press. Pressure	____	941
T_A inlet	222	209
T_B inlet	221	215
T pressure	____	542
L Pressurizer	____	
Press SG A	____	
Press SG B	____	
Letdown Flow	____	

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UN

FIGURE 4

Hydrogen Concentration ____

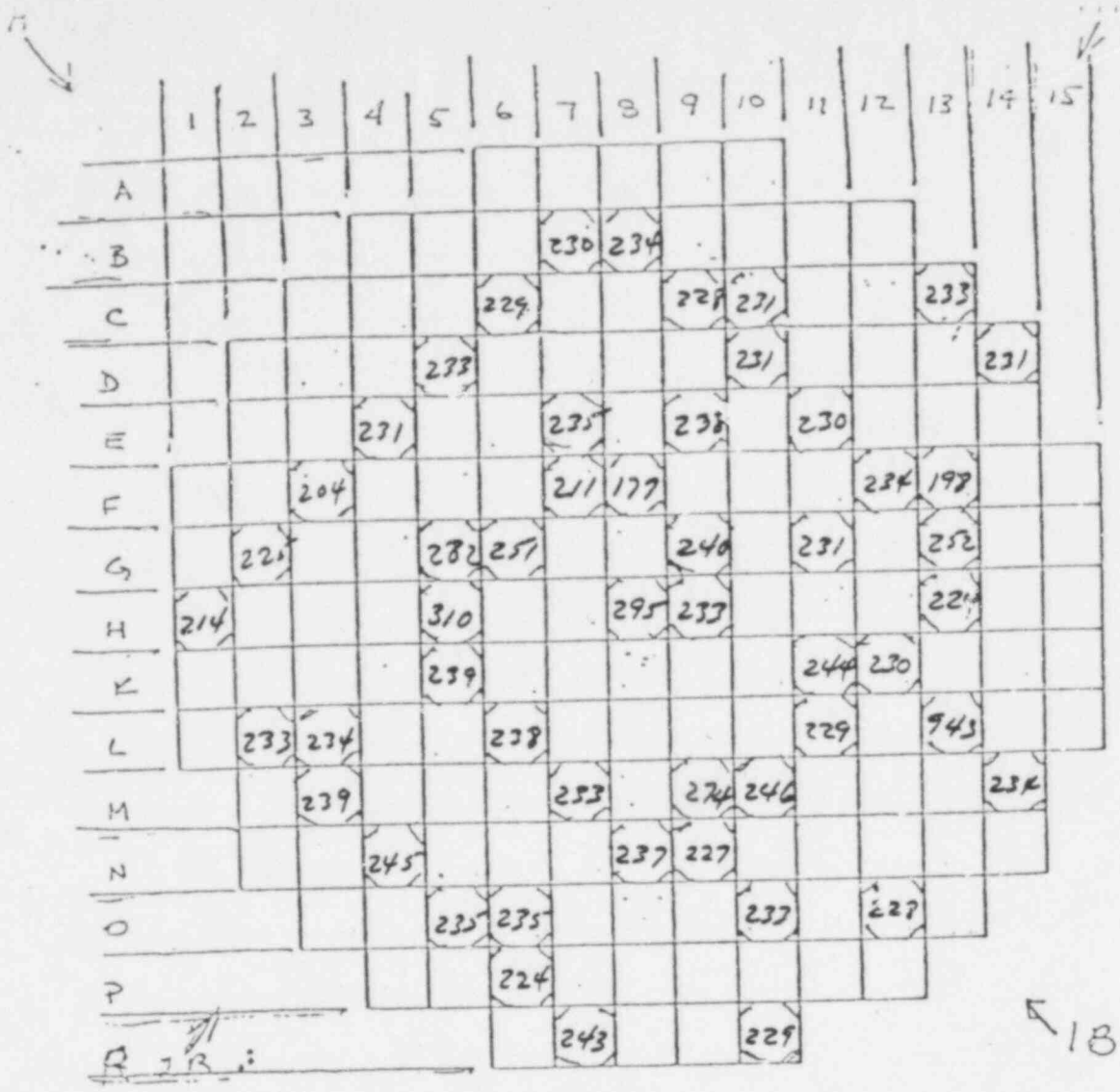
10^{-8} I on the control room

556085

CONTAINMENT:

Pressure: ____ psig, Temperature ____ F

ORIGINAL



Date 4/27/79

Time 1356

Boat

Press. Pressure ____

T_A inlet ____

T_B inlet ____

T pressure ____

L Pressurizer ____

Press SG A ____

Press SG B ____

Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4.

Hydrogen Concentration ____ %

556086

CONTAINMENT:

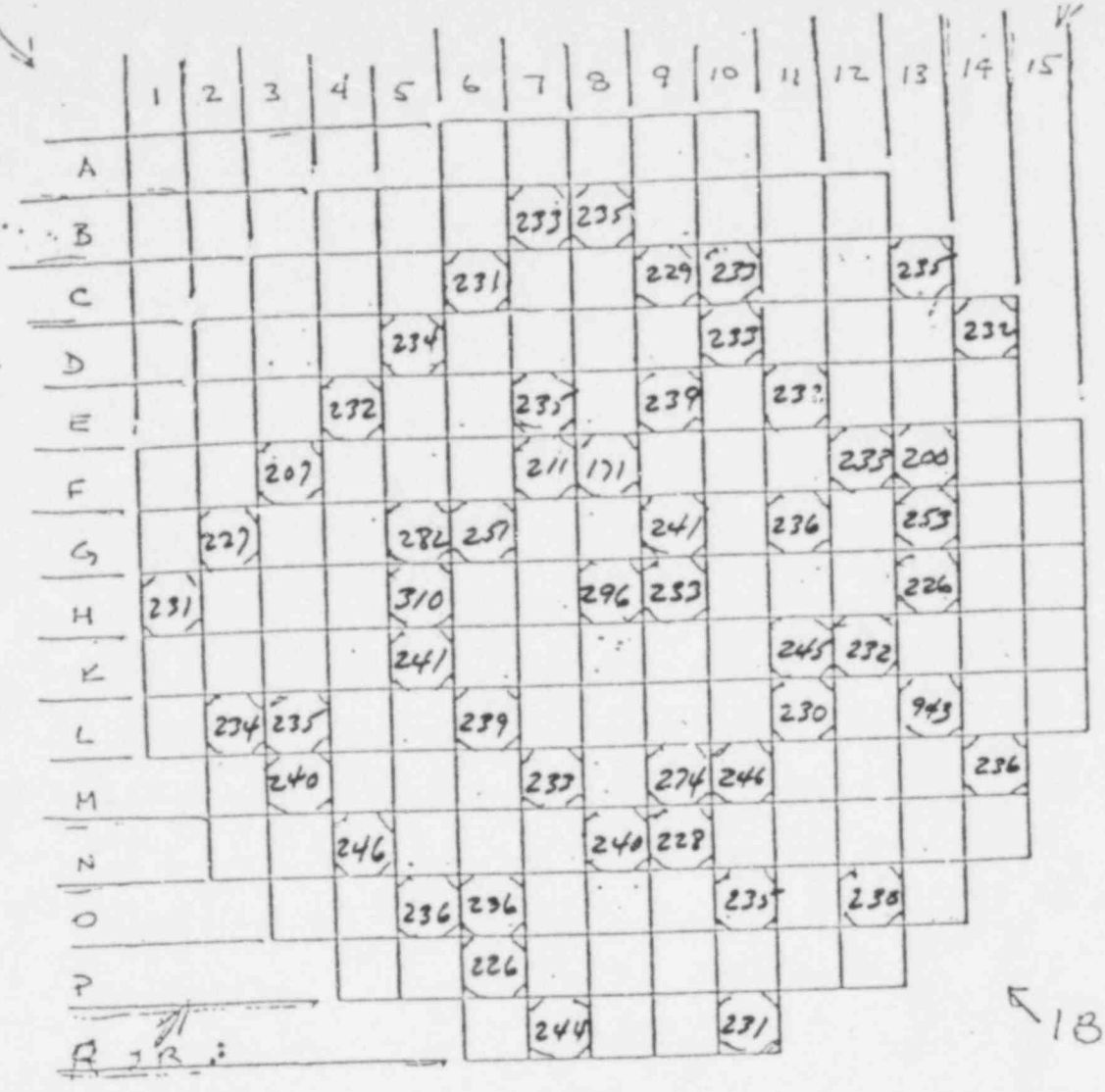
Pressure ____ psig, Temperature ____ F

ORIGINAL

1356 4/27/79

Thermocouple Read-out Sequence

8H 295	12F 231	10-0 233
9H 233	11G 234	12-0 228
9G 240	11E 230	14-M 234
8F 177	10D 231	13-L 943
9E 238	10C 231	14-D 231
7F 211	9C 228	13-C 233
7E 235	8B 234	
6G 251	7B 230	
5G 282	6C 229	
5H 310	5D 233	
5K 239	4E 231	
6L 238	3F 204	
7M 233	2G 225	
8N 237	1H 214	
9N 227	2L 233	
9M 274	3L 234	
10M 246	3M 239	
11L 229	4N 245	
11K 244	5-O 235	
12K 230	6-O 235	
13H 224	6P 224	
13G 252	7R 243	
13F 198	10R 229	



Date 4/27/79

Time 1330

B out

Press. Pressure ____

T_A inlet ____

T_B inlet ____

T pressure ____

L Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

Hydrogen Concentration ____

556088

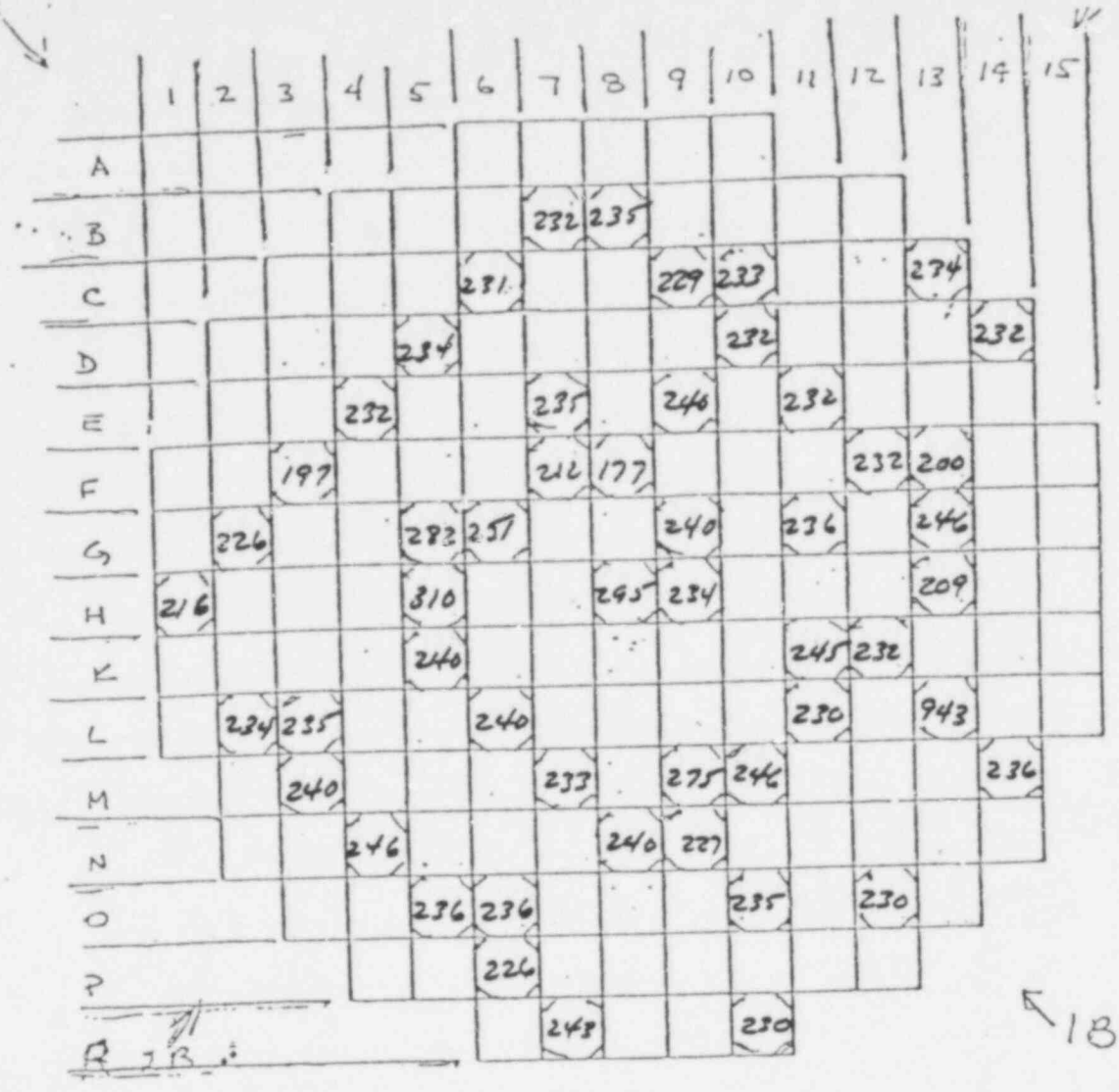
CONTAINMENT:

Pressure: ____ psig Temperature ____ F

13:30 4/

Thermocouple Read-out Sequence

8H /233	12F / 36	10-0 / 30
9H /241	11G / 32	12-0 / 36
9G /211	11E / 33	14-M /243
8F /239	10D / 33	13-L /232
9E /211	10C / 29	14-0 /235
7F /235	9C / 35	13-C
7E /251	8B / 33	
6G /282	7B / 31	
5G /310	6C / 34	
5H /241	5D / 32	
5K /239	4E / 07	
6L /233	3F / 27	
7M /240	2G / 31	
8N /221	1H / 34	
9N /224	2L / 35	
9M /246	3L / 40	
10M /230	3M / 46	
11L /245	4N / 36	
11K /232	5-0 / 36	
12K /226	6-0 / 26	
13H /253	6P / 44	
13G /200	7R / 31	
13F /223	10R / 35	



B out

Date 4/27/79
Time 1300
Press. Pressure 900

T_A inlet 223
T_B inlet 222
T pressure 540*
L Pressurizer ____
Press SG A ____
Press SG B ____
Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

556090

Hydrogen Concentration ____

CONTAINMENT:
Pressure -0.8 psig, Temperature ____ F

ORIGINAL

Rcm 2.5E5
4mph 320

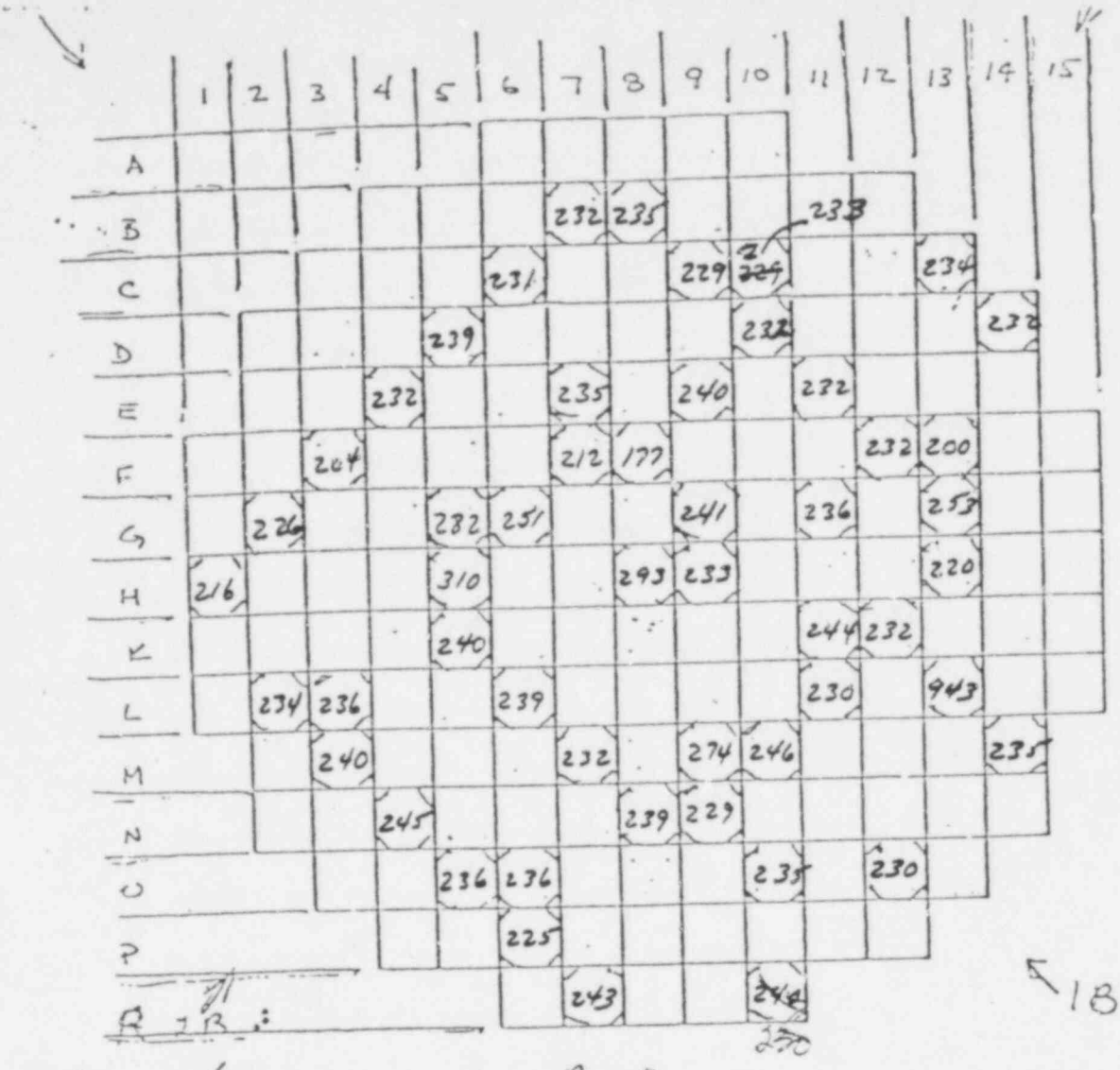
1300 4/27

3240 12
3.87×10^{-8} / 10^{-9} I
$1.14 \times 10^{-?}$
9.5×10^{-7} I
748 1.06×10^{-9} I

Thermocouple Read-out Sequence

8H 295	12F 232	10-0 235
9H 234	11G 236	12-0 230
9G 240	11E 232	14-M 236
8F 177	10D 232	13-L 943
9E 240	10C 233	14-D 232
7F 212	9C 229	13-C 234
7E 235	8B 235	
6G 251	7B 232	
5G 282	6C 231	
5H 310	5D 234	
5K 240	4E 232	
6L 240	3F 197	
7M 233	2G 226	
8N 240	1H 216	
9N 227	2L 239	
9M 275	3L 235	
10M 246	3M 240	
11L 230	4N 246	
11K 245	5-0 236	
12K 232	6-0 237	
* 13H 209 fluctuating	6P 226	
13G 246	7R 243	
13F 200	10R 230	

556091



Date 4/27

Time 1215

Press. Pressure ____

T_A inlet ____

T_B inlet ____

T pressure ____

L Pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4

556092

Hydrogen Concentration ____

CONTAINMENT:

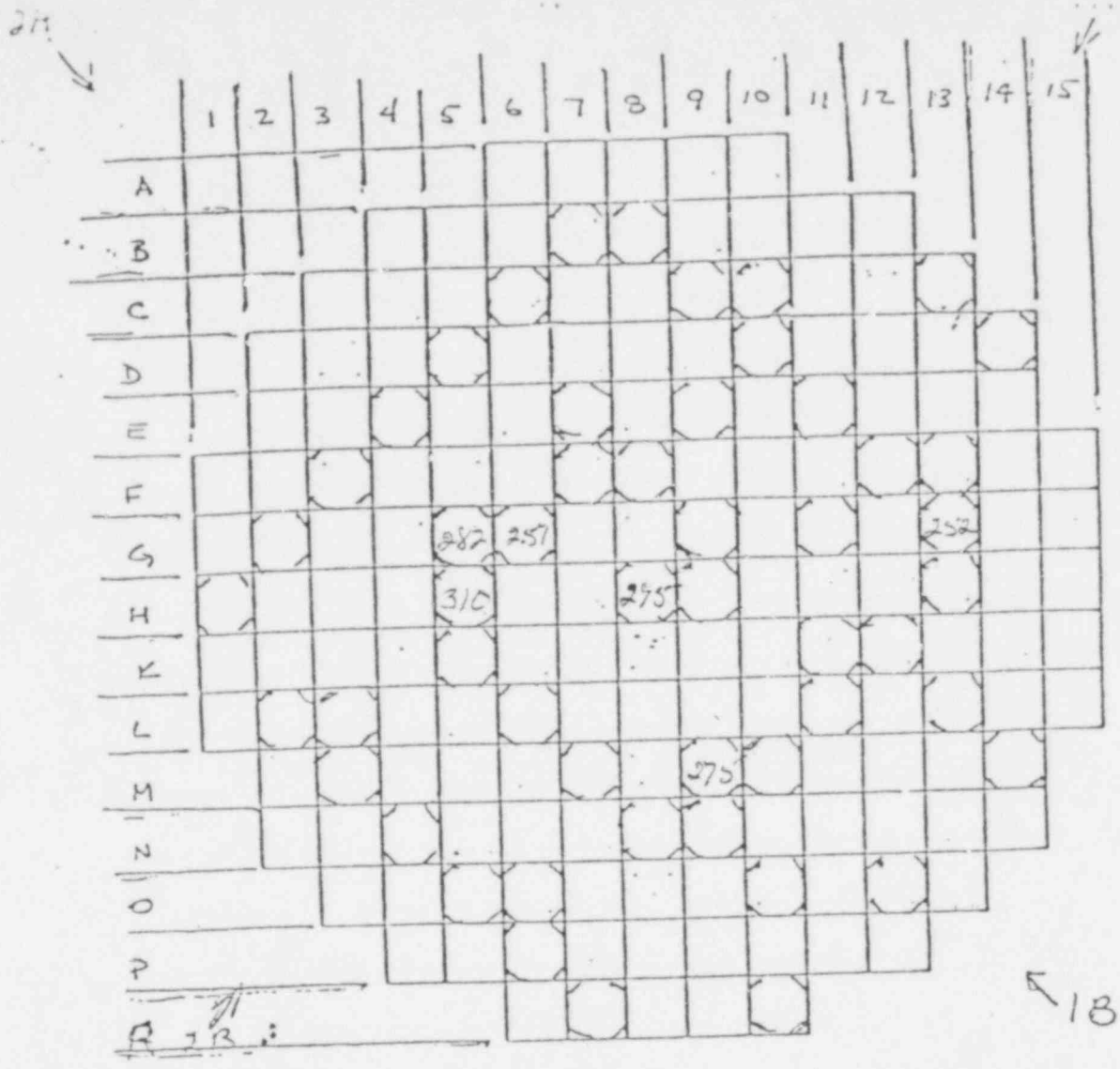
Pressure ____ psig, Temperature ____ F

ORIGINAL

12-12

Thermocouple Read-out Sequence

8H 235	12F 232	10-O 235
9H 233	11G 236	12-O 230
9G 241	11E 232	14-M 235
8F 177	10D 232	13-L 243
9E 240	10C 233	14-O 232
7F 212	9C 229	13-C 234
7E 235	8B 235	
6G 251	7B 232	
5G 282	6C 231	
5H 310	5D 234	
5K 240	4E 232	
6L 239	3F 204	
7M 232	2G 226	
8N 239	1H 216	
9N 229	2L 234	
9M 224	3L 236	
10M 246	3M 240	
11L 230	4N 245	
11K 244	5-O 236	
12K 232	6-O 136	
13H 220	6P 225	
13G 253	7R 243	
13F 202	10R 230	



Date 4/27/79

Time 1200 Panel Lost

Press. Pressure 900

TA inlet 223 computer

TB inlet ——

T pressure 540

L Pressurizer ——

Press SGA ——

Press SGB ——

Letdown Flow ——

LOCATION OF FUEL ASSEMBLIES CONTAIN BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UN

FIGURE 4

Hydrogen Concentration ——

556094

CONTAINMENT:

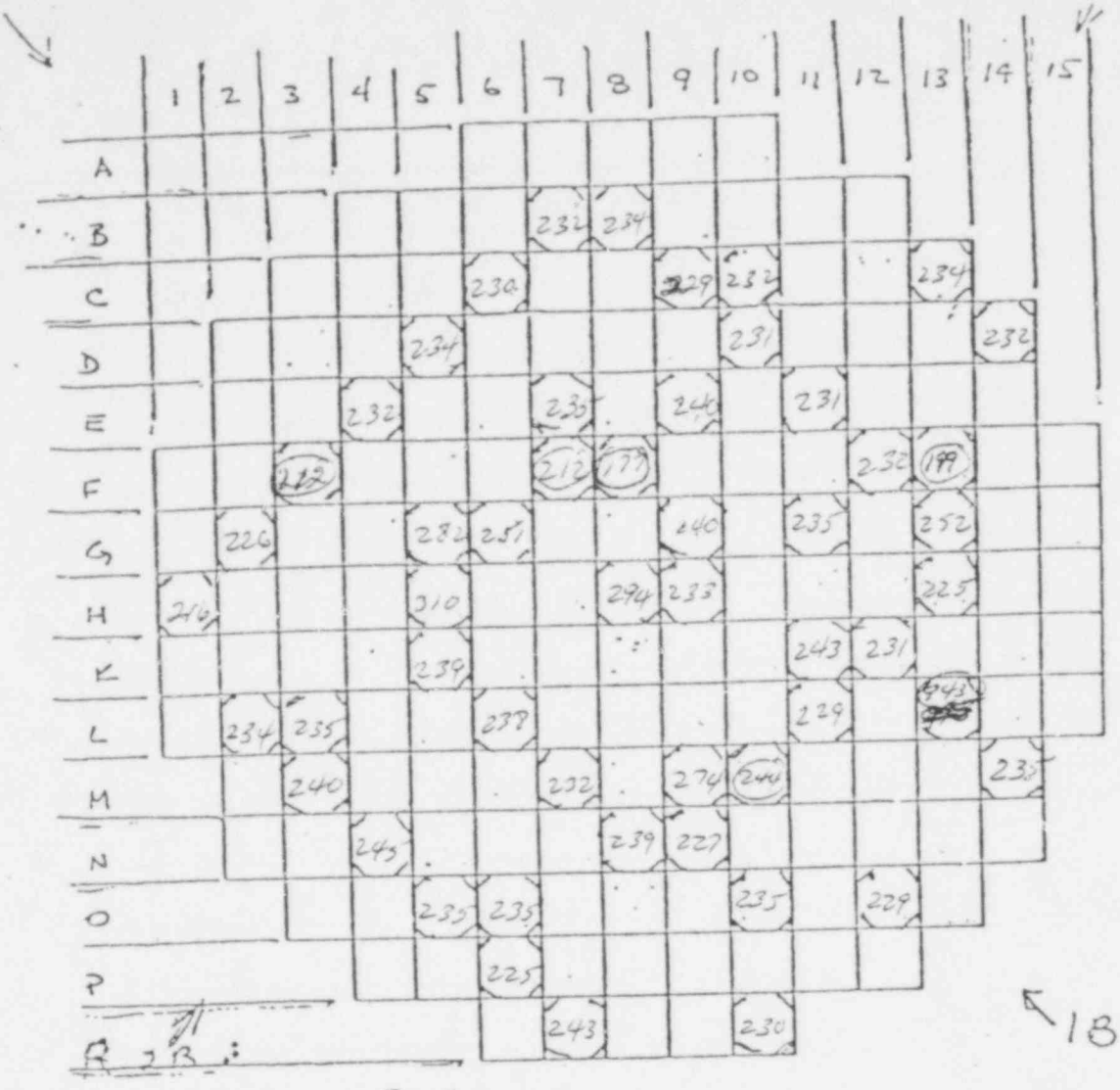
Pressure -1.5 psig Temperature —— F

1200

Thermocouple Read-out Sequence

8H 295	12F	10-0
9H	11G	12-0
9G	11E	14-M
8F	10D	13-L
9E	10C	14-0
7F	9C	13-C
7E	8B	
6G 251	7B	
5G 282	6C	
5H 3LQ	5D	
5K	4E	
6L	3F	
7M	2G	
8N	1H	
9N	2L	
9M 275	3L	
10M	3M	
11L	4N	
11K	5-0	
12K	6-0	
13H	6P	
13G 252	7R	
13F	10R	

556095



Date 4/29/79
Time 1100
Press. Pressure

Don't Data B out
@ 2 hrs - even hrs.
Thermocouples
@ 1 hr.

T_A inlet
T_B inlet
T pressure
L Pressurizer
Press SGA
Press SGB
Letdown Flow

Hydrogen Concentration

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNI

FIGURE 4.

CONTAINMENT:
Pressure: psig, Temperature F

556096

4/27/79 11 $\frac{00}{AM}$

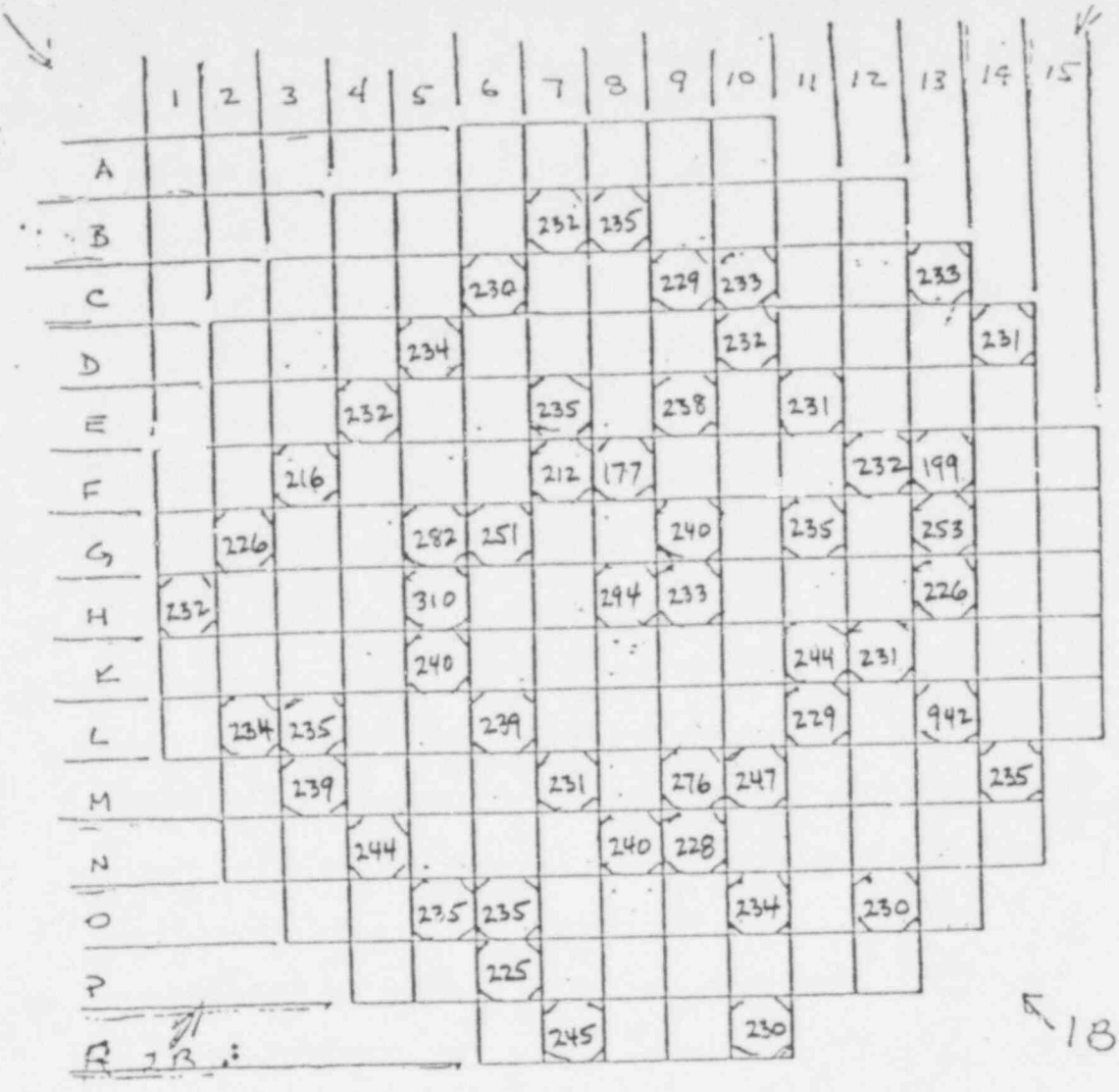
Thermocouple Read-out Sequence

(Don't Conn...)

8H 294	12F 232	10-0 235
9H 233	11G 235	12-0 229
9G 240	11E 231	14-M 235
8F (177)	10D ~~22~~ 231	13-L (943)
9E 240	10C ~~229~~ 232	14-0 232
7F (212)	9C ~~34~~ ~~32~~ 229	13-C 234
7E 235	8B ~~32~~ 234	
6G 251	7B ~~20~~ 232	
5G 282	6C ~~37~~ 230	
5H 310	5D ~~22~~ 234	
5K 239	4E ~~28~~ 232	
6L 238	3F ~~226~~ (212)	
7M 232	2G ~~216~~ 226	
8N 239	1H ~~234~~ 216	
9N 227	2L ~~35~~ 234	
9M 274	3L ~~30~~ [235]	
10M (244)	3M ~~45~~ 240	
11L 229	4N ~~35~~ 245	
11K 243	5-0 ~~25~~ 235	
12K 231	6-0 ~~20~~ 235	
13H 225	6P 225	
13G 232	7R ~~243~~ 243	
13F (189)	10R ~~230~~ 230	

POOR ORIGINAL

556097



Date 4/29/79 B out

Time 1000

Press. Pressure ____

T_A inlet ____

T_B inlet ____

T pressure ____

L pressurizer ____

Press SGA ____

Press SGB ____

Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UN

FIGURE 4

556098

Hydrogen Concentration ____

CONTAINMENT:

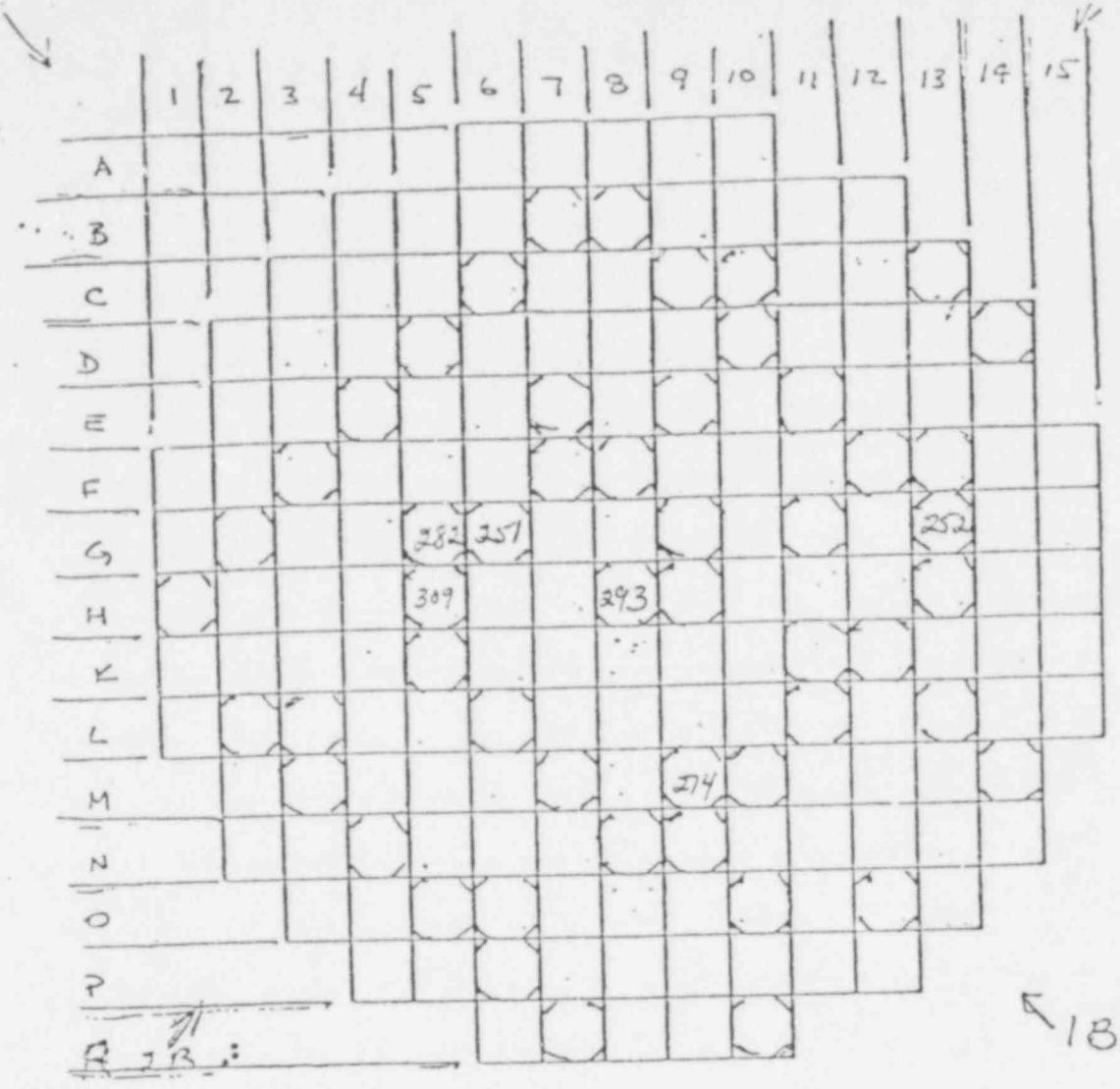
Pressure ____ psig, Temperature ____ F

194
23

10-00

Thermocouple Read-out Sequence

X8H	294	12F	232	10-0	234
9H	233	11G	235	12-0	230
9G	240	11E	231	14-M	235
8F	177	10D	232	13-L	942
9E	238	10C	233	14-0	231
7F	212	9C	229	13-C	233
7E	235	8B	235		
X6G	251	7B	232		
X5G	282	6C	230		
X5H	310	5D	234		
5K	240	4E	232		
6L	239	3F	216		
7M	231	2G	226		
8N	240	1H	232		
9N	228	2L	234		
X9M	276	3L	235		
10M	242	3M	239		
11L	229	4N	244		
11K	244	5-0	235		
12K	231	6-0	235		
13H	226	6P	225		
X13G	253	7R	245		
13F	199	10R	230		



B out

Date 4/27/79
Time 0900
Press. Pressure 898

TA inlet 223
TB inlet 222
T pressure 542
L Pressurizer 214
Press SGA ____
Press SGB ____
Letdown Flow rate 20.48 gpm
∴ rate at 0800

LOCATION OF FUEL ASSEMBLIES CONTAIN
BURNABLE POISON RODS
THREE MILE ISLAND NUCLEAR STATION UN

FIGURE 4

boildown rate is 0

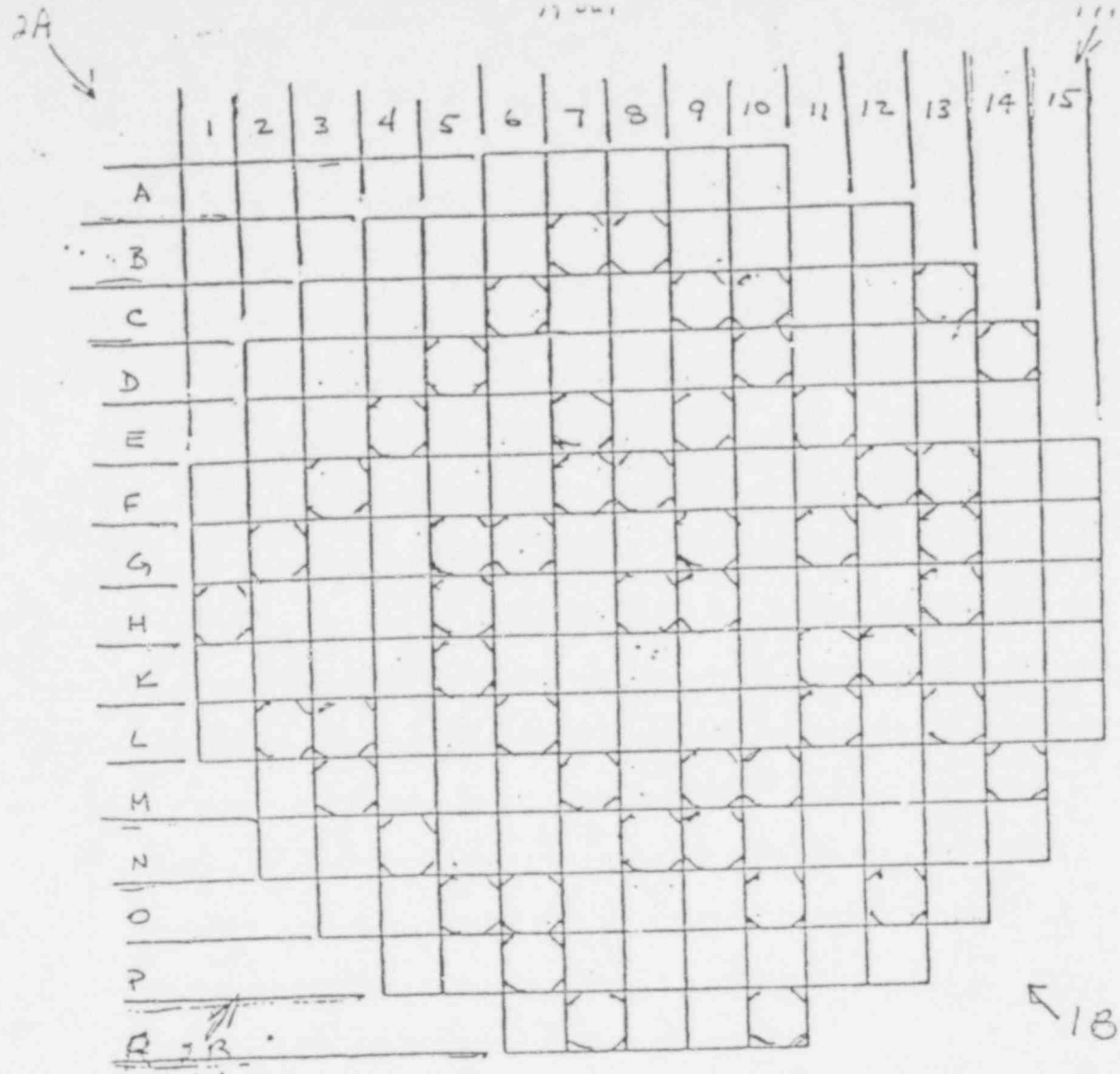
Hydrogen Concentration 1.01
② 0500
556100 combina

CONTAINMENT:
Pressure -0.1 psig, Temperature 80.8 F

ORIGINAL

Thermocouple Read-out Sequence
~~50~~ ± 1° over last 24 hrs.

✓ 8H 293	12F	10-0
9H	11G	12-0
9G	11E	14-M
8F	10D	13-L
9E	10C	14-0
7F	9C	13-C
7E	8B	
✓ 6G 251	7B	
✓ 5G 282	6C	
✓ 5H 309	5D	
5K	4E	
6L	3F	
7M	2G	
8N	1H	
9N	2L	
✓ 9M 274	3L	
10M	3M	
11L	4N	
11K	5-0	
12K	6-0	
13H	6P	
✓ 13G 252	7R	
13F	10R	



B out

Date 4/24

Time 2300

Press. Pressure 969

T A inlet 219

T B inlet 219

T pressure 550

T pressurizer 289

Press SG A

Press SG B

Letdown Flow

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNIT

FIGURE 4.2

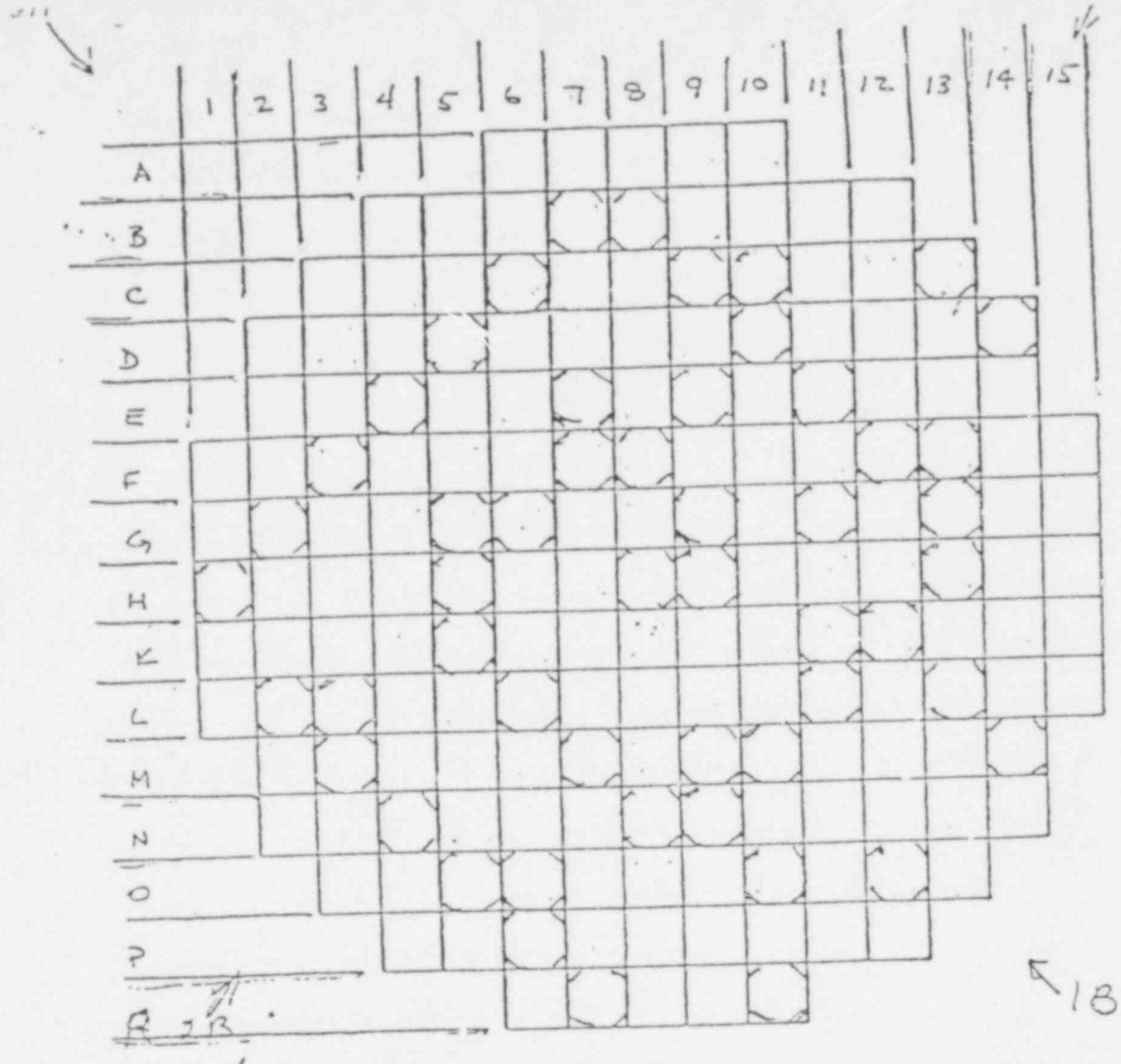
556102

Hydrogen Concentration ___ %

CONTAINMENT: Pressure ~8 psig Temperature 95 F

Thermocouple Read-out Sequence

8H	293	12F	223	10-O	226
9H	229	11G	227	12-O	225
9G	236	11E	224	14-M	228
8F	274	10D	226	13-L	—
9E	232	10C	225	14-O	220
7F	206	9C	226	13-C	225
7E	230	8B	227		
6G	245	7B	222		
5G	276	6C	226		
5H	301	5D	226		
5K	235	4E	225		
6L	239	3F	225		
7M	229	2G	221		
8N	232	1H	225		
9N	223	2L	227		
9M	274	3L	—		
10M	—	3M	231		
11L	222	4N	235		
11K	239	5-O	231		
12K	223	6-O	231		
13H	221	6P	215		
13G	251	7R	237		
13F	153	10R	222		



Date 1/14

Time 2200

Press. Pressure 970

T A inlet 218

T B inlet 217

T pressure 550

T - Pressurizer 287

Press SGA ___

Press SGB ___

Letdown Flow ___

LOCATION OF FUEL ASSEMBLIES CONTAINING BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNIT

FIGURE 4.2

556104

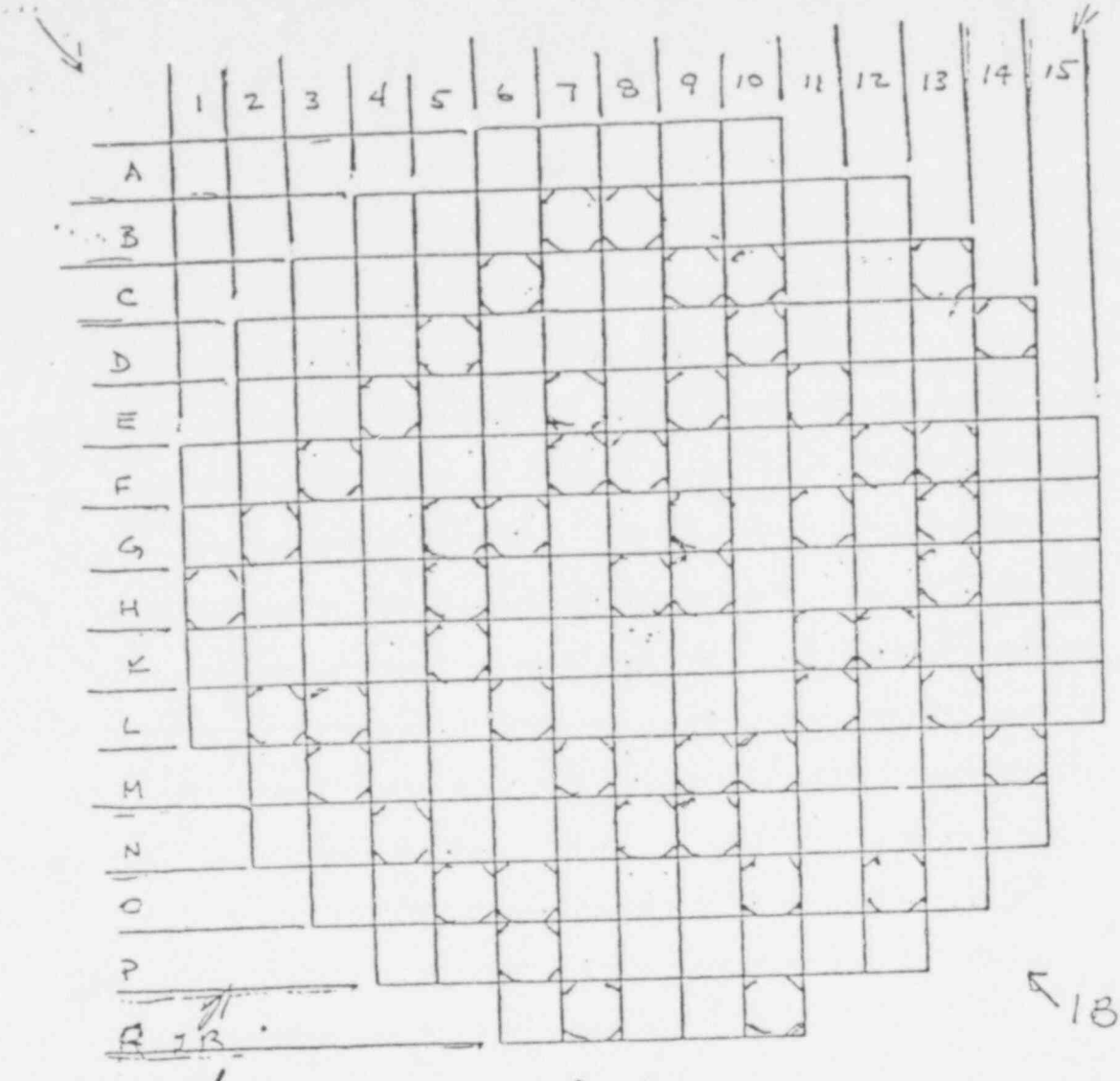
Hydrogen Concentration ___ %

CONTAINMENT: Pressure -8 psig, Temperature 96 F

Thermocouple Read-out Sequence

8H	294	12F	225	10-0
9H	227	11G	226	12-0
9G	225	11E	223	14-M
8F	174	10D	225	13-L
9E	232	10C	224	14-D
7F	204	9C	225	13-C
7E	227	8B	226	
6G	244	7B	221	
5G	274	6C	224	
5H	307	5D	225	
5K	234	4E	224	
6L	237	3F	226	
7M	226	2G	220	
8N	231	1H	223	
9N	222	2L	225	
9M	273	3L	—	
10M	220	3M	25	
11L	239	4N		
11K	232	5-O		
12K	220	6-O		
13H	250	6P		
13G	192	7R		
13F		10R		

556105



Date 7/24

Time 2100

Press. Pressure 968

T_A inlet 216

T_B inlet 215

T pressure 551

L Pressurizer 286

Press SGA ____

Press SGB ____

Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAINING BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNIT

FIGURE 4.3

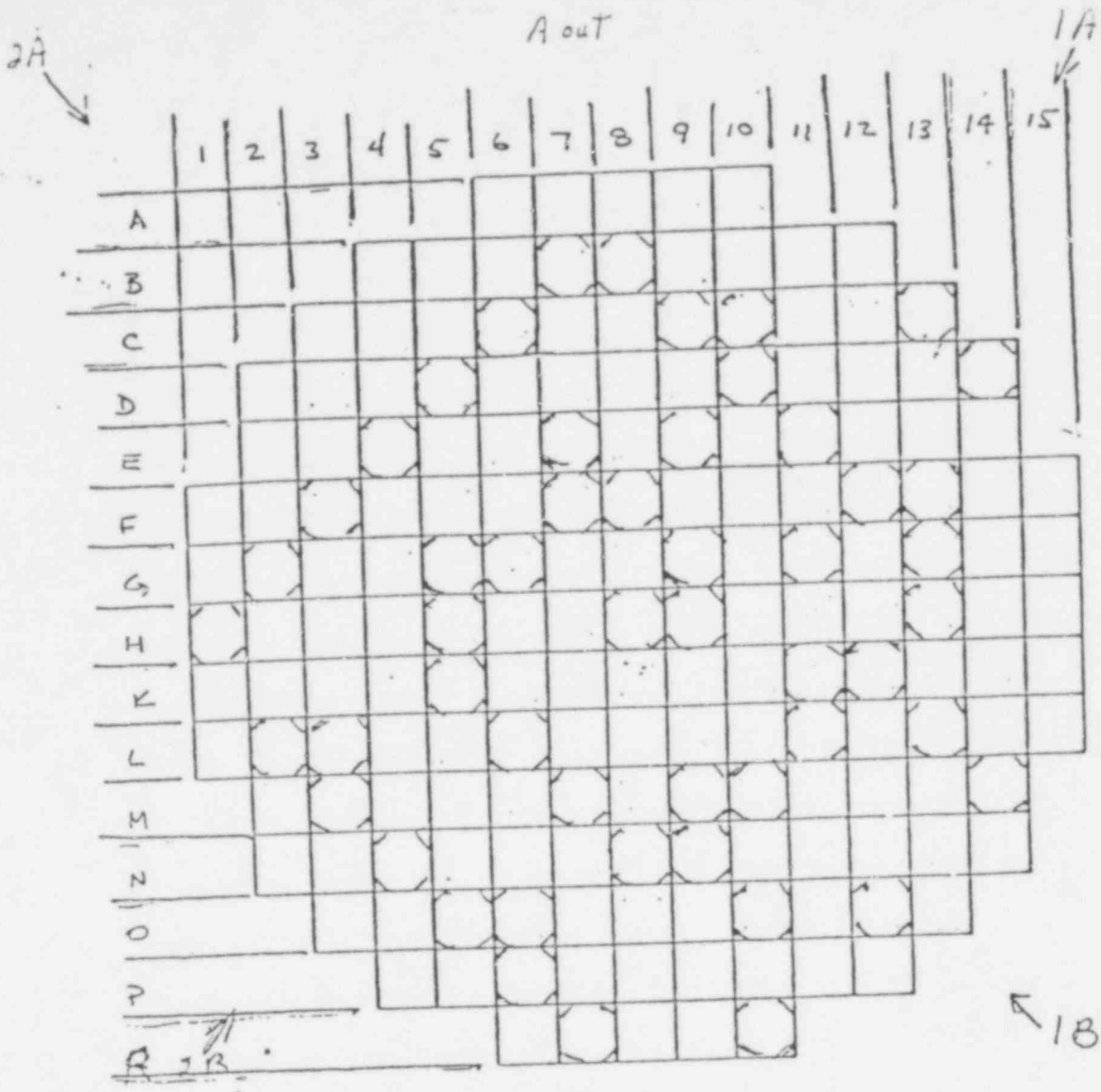
556106

Hydrogen Concentration ____ %

CONTAINMENT: Pressure -.7 psig, Temperature 96 F

Thermocouple Read-out Sequence

8H	290	12F	219	10-O
9H	225	11G	223	12-O
9G	233	11E	221	14-M
8F	171	10D	223	13-L
9E	231	10C	222	14-O
7F	202	9C	223	13-C
7E	224	8B	223	
6G	239	7B	218	
5G	271	6C	222	
5H	305	5D	222	
5K	231	4E	221	
6L	236	3F	222	
7M	224	2G	221	
8N	228	1H		
9N	219	2L		
9M	270	3L		
10M	Blank	3M		
11L	217	4N		
11K	236	5-O		
12K	220	6-O		
13H	218	6P		
13G	249	7R		
13F	189	10R		



Date 4/14

Time 2000

Press. Pressure 980

T_A inlet 213

T_B inlet 212

T pressure 551

L Pressurizer 291

Press SG A ____

Press SG B ____

Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAINING BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNIT

FIGURE 4.3-

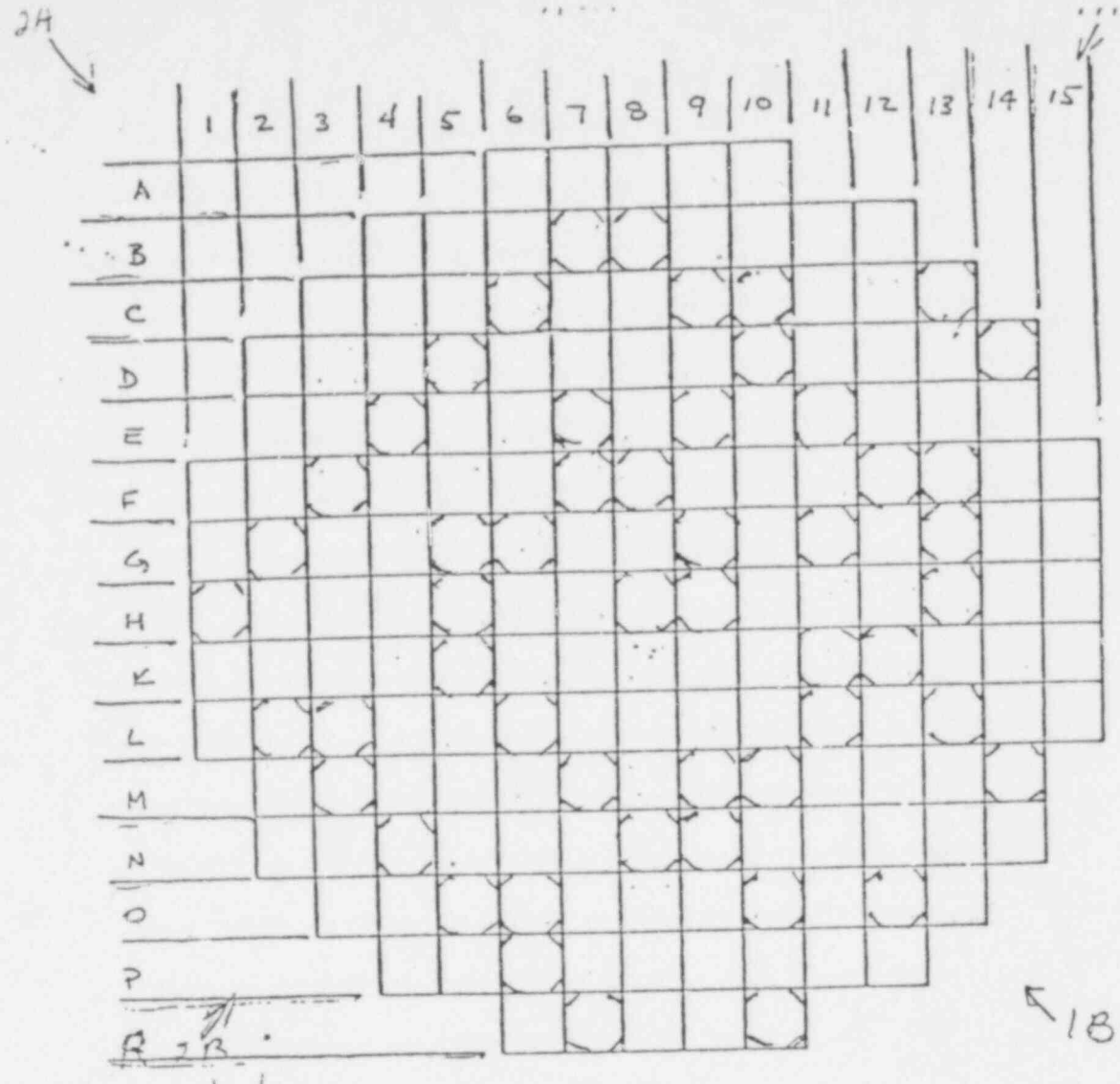
556108

Hydrogen Concentration ____ %

CONTAINMENT: Pressure .7 psig Temperature 91 F

Thermocouple Read-out Sequence

8H	287	12F	216	10-O	219
9H	222	11G	220	12-O	218
9G	223	11E	217	14-M	222
8F	168	10D	220	13-L	[illegible]?
9E	227	10C	219	14-D	212
7F	198	9C	219	13-C	219
7E	221	8B	220		
6G	234	7B	215		
5G	267	6C	219		
5H	301	5D	220		
5K	227	4E	218		
6L	232	3F	218		
7M	221	2G	213		
8N	225	1H	218		
9N	276	2L	220		
9M	266	3L	—		
10M	—	3M	224		
11L	214	4N	228		
11K	233	5-O	222		
12K	217	6-O	224		
13H	216	6P	205		
13G	248	7R	230		
13F	185	10R	215		



B out

Date 4/24/79

Time 1700

Press. Pressure 976

TA inlet 209

TB inlet 208

T pressure 551

L Pressurizer 292

Press SGA ___

Press SGB ___

Letdown Flow ___

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNIT

FIGURE 4.3

556110

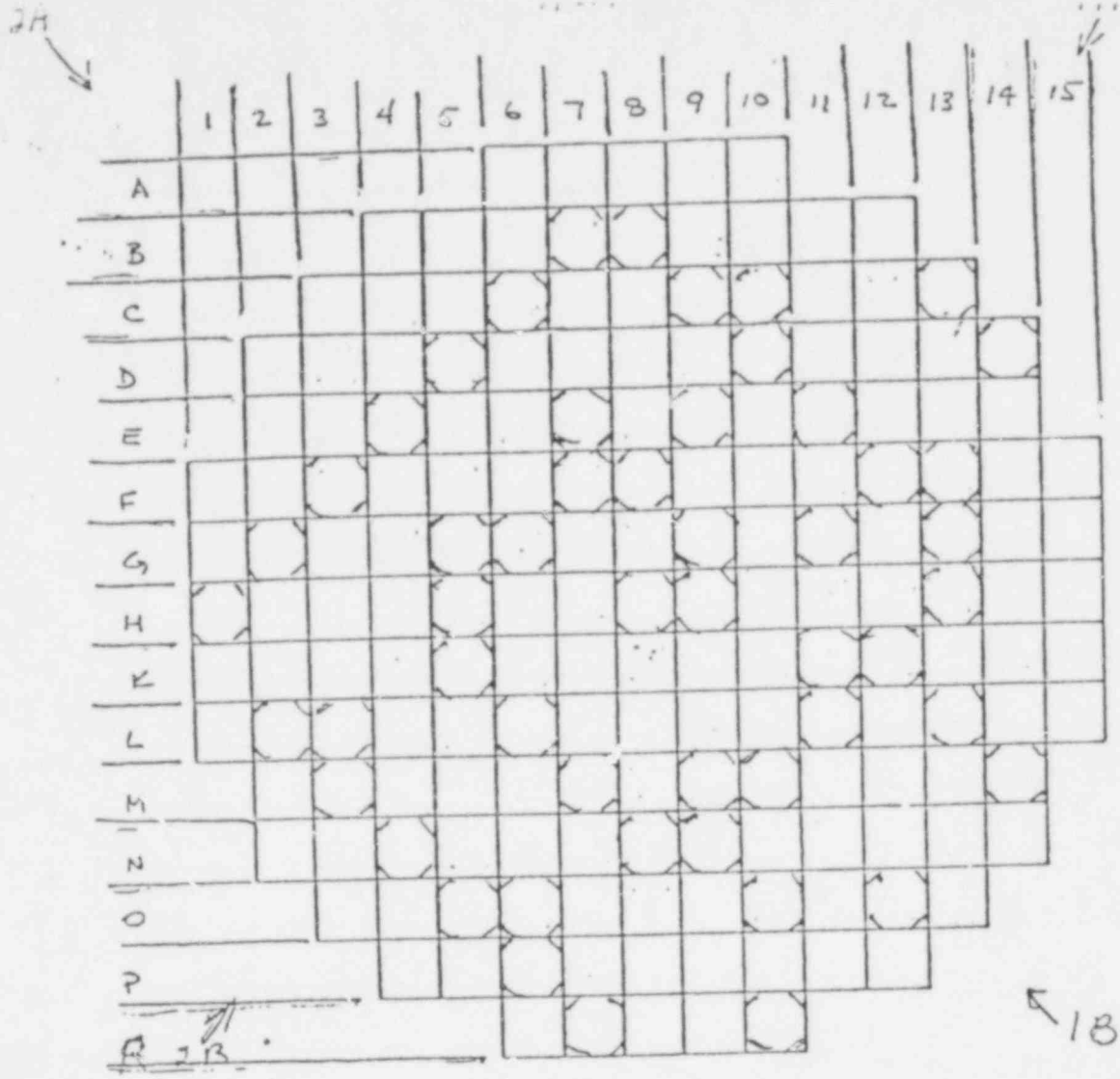
Hydrogen Concentration ___ %

CONTAINMENT: Pressure -.9 psig, Temperature 96 F

Thermocouple Read-out Sequence

8H	208	12F	210	10-O	213
9H	216	11G	215	12-O	213
9G	225	11E	211	14-M	216
8F	165	10D	214	13-L	103
9E	219	10C	213	14-O	204
7F	193	9C	214	13-C	213
7E	214	8B	214		
6G	227	7B	209		
5G	259	6C	214		
5H	295	5D	214		
5K	221	4E	212		
6L	226	3F	213		
7M	216	2G	206		
8N	219	1H	212		
9N	210	2L	214		
9M	262	3L	—		
10M	—	3M	218		
11L	208	4N	224		
11K	227	5-O	215		
12K	212	6-O	218		
13H	211	6P	198		
13G	246	7R	225		
13F	178	10R	208		

556111



Date 4/24/71

Time 1500

Press. Pressure 1806 PSI

T_A inlet 203

T_B inlet 202

T pressure 556

L Pressurizer .297

Press SGA ____

Press SGB ____

Letdown Flow ____

B out

LOCATION OF FUEL ASSEMBLIES CONTAINING BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNIT

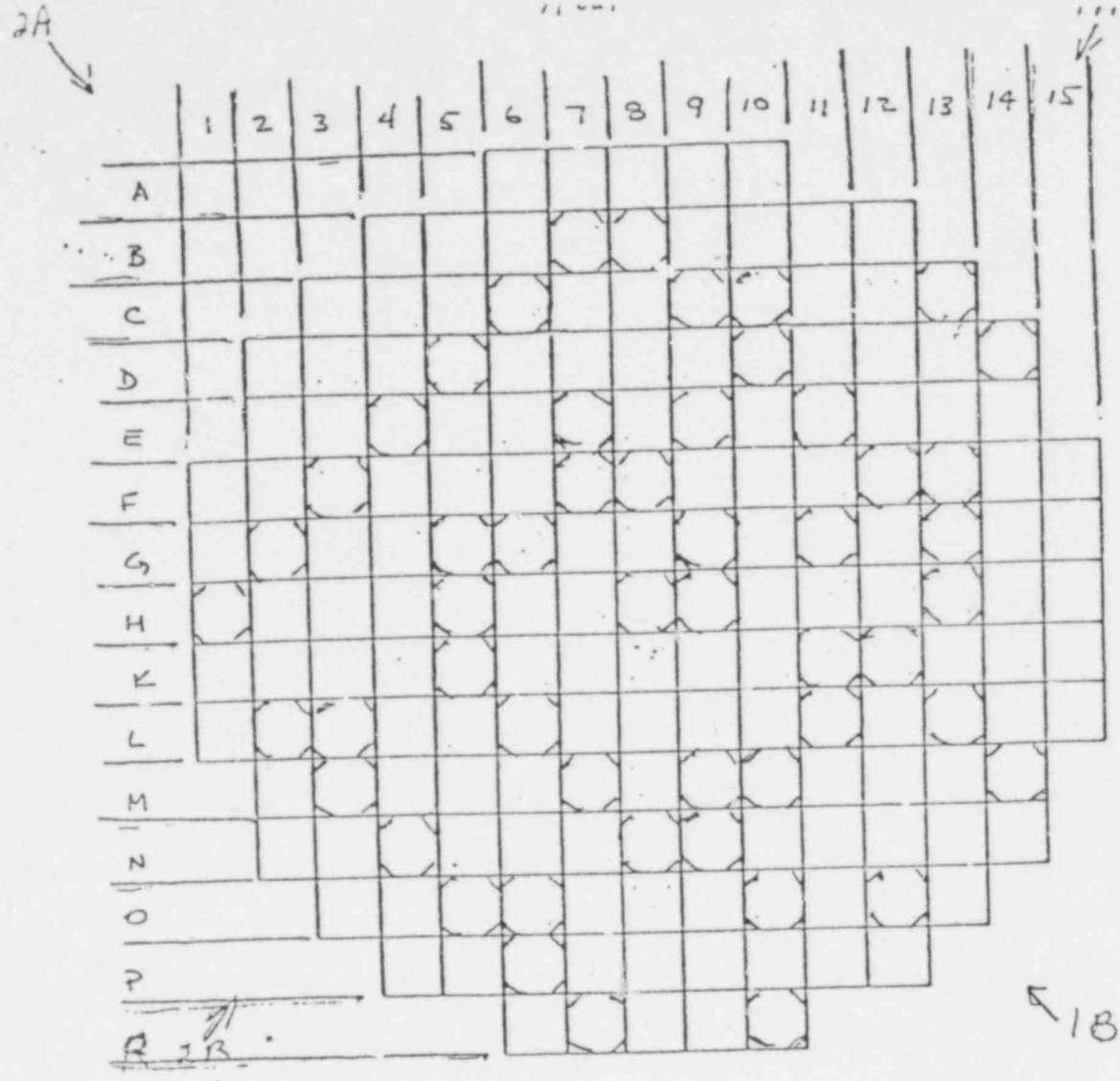
FIGURE 4.3-

556112

Hydrogen Concentration ____ %

CONTAINMENT:

Pressure -0.6 psig, Temperature 95 F



B out

Date 4/24/79

Time 1730

Press. Pressure 791 psi

TA inlet 199

TB inlet 199

T Pressure 554 F°

L Pressurizer 298 inches

Press SGA

Press SGB

Letdown Flow

LOCATION OF FUEL ASSEMBLIES CONTAINING BURNABLE POISON RODS

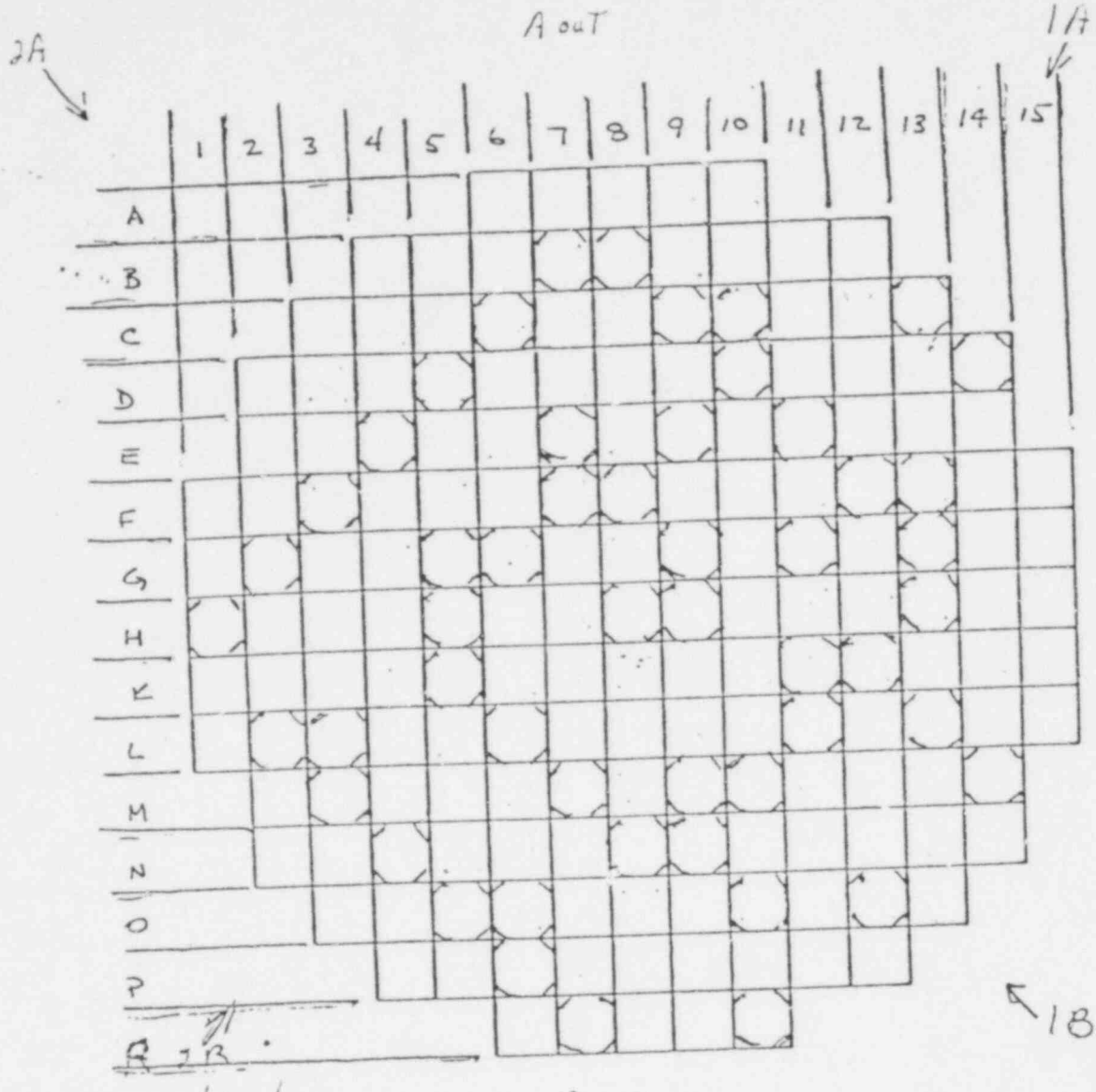
THREE MILE ISLAND NUCLEAR STATION UNIT

FIGURE 4.3

556113

Hydrogen Concentration ? %

CONTAINMENT: Pressure -.5 psig, Temperature 94 F



Date 4/24/79
Time 1630
Press. Pressure 951 PSI
TA inlet 192 °F
TB inlet 192 °F
T pressure 551 °F
L Pressurizer 302 INCHES
Press SGA ____
Press SGB ____
Letdown Flow ____

LOCATION OF FUEL ASSEMBLIES CONTAINI
BURNABLE POISON RODS
THREE MILE ISLAND NUCLEAR STATION UNIT
FIGURE 4.3

556114

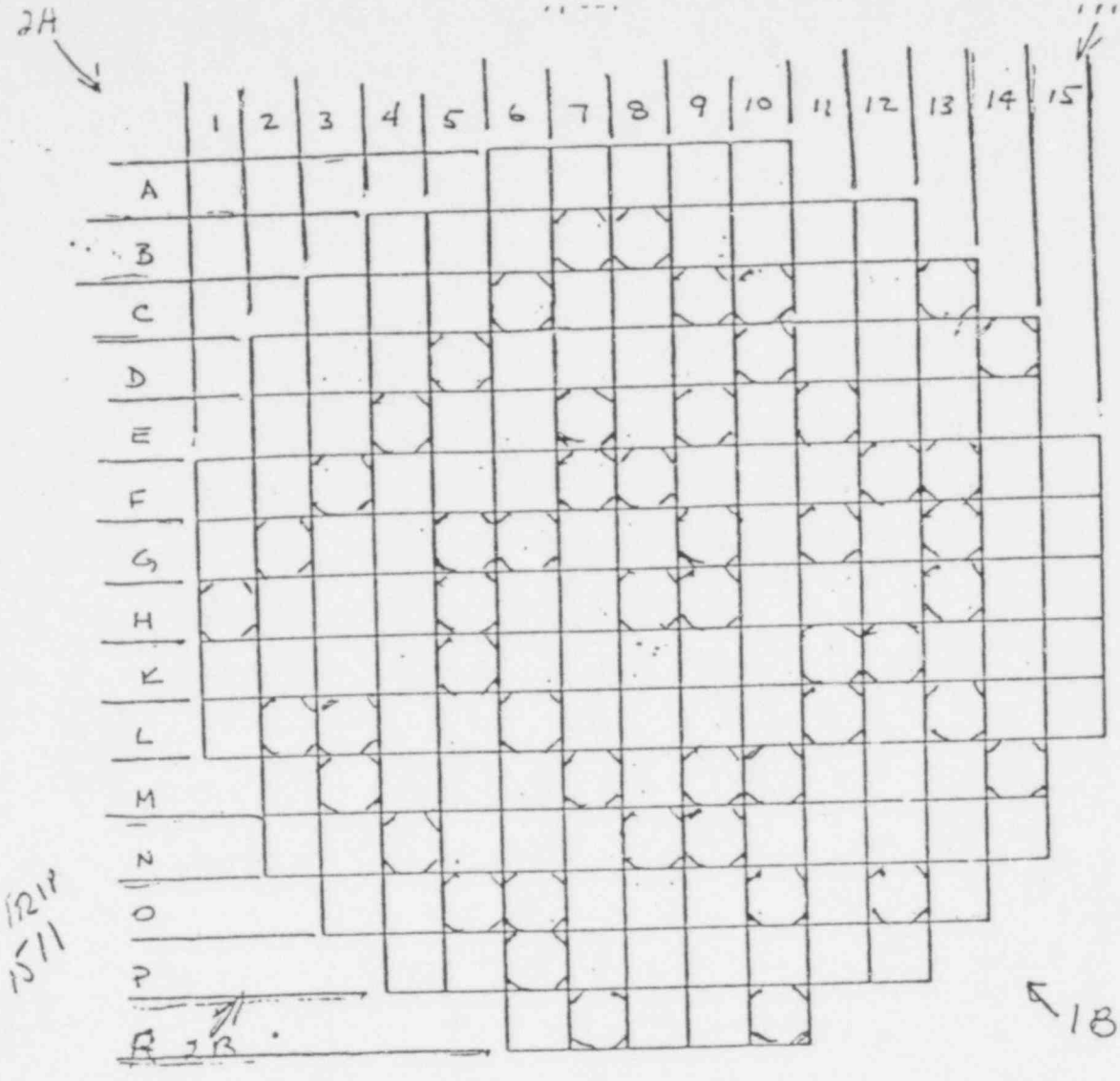
Hydrogen Concentration ____ %

CONTAINMENT:
Pressure ____ (gauge) Temperature ____ F

CONFIDENTIAL

Thermocouple Read-out Sequence

8H	263	12F	192	10-0	195
9H	199	11G	196	12-0	196
9G	207	11E	195	14-M	199
8F	155	10D	197	13-L	155
9E	201	10C	196	14-0	183
7F	181	9C	199	13-C	196
7E	196	8B	197		
6G	212	7B	194		
5G	243	6C	196		
5H	279	5D	197		
5K	264	4E	194		
6L	204	3F	194		
7M	199	2G	189		
8N	201	1H	196		
9N	190	2L	197		
9M	246	3L	=		
10M	=	3M	200		
11L	191	4N	206		
11K	210	5-0	197		
12K	196	6-0	200		
13H	191	6P	178		
13G	237	7R	208		
13F	158	10R	190		



Date 4/24/79

Time 1601

Press. Pressure 968

T_A inlet 188

T_B inlet 188

T pressure 556

L Pressurizer 316

Press SG A ____

Press SG B ____

Letdown Flow ____

B out

TRIP RECORDED AT 1511

LOCATION OF FUEL ... BLIES CONTAINING BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNIT

FIGURE 4.3-

556116

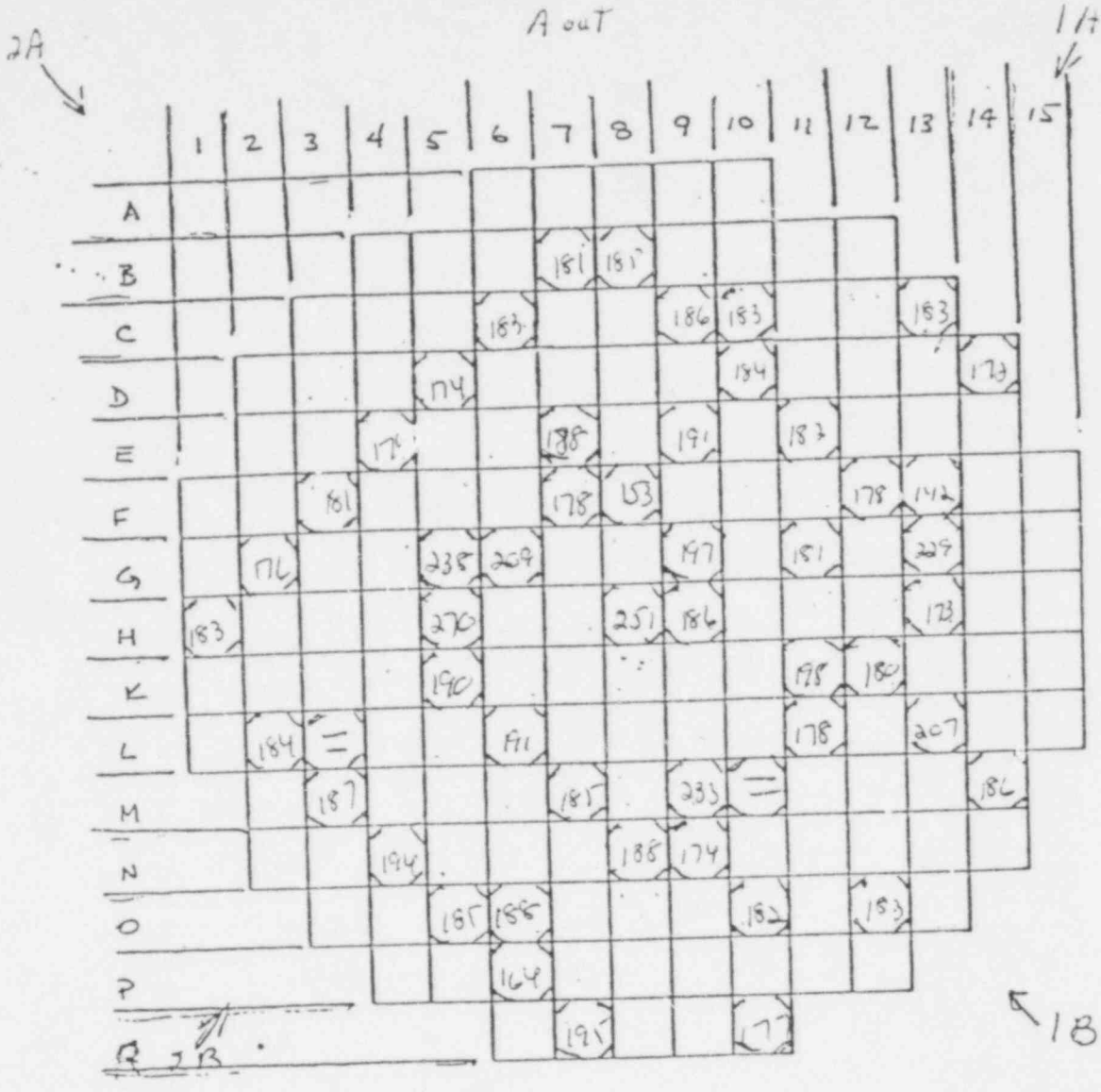
Hydrogen Concentration ____ %

CONTAINMENT:

Pressure -.8 psig, Temperature 92 F

Thermocouple Read-out Sequence

8H	260	12F	189	10-O	192
9H	196	11G	193	12-O	193
9G	206	11E	192	14-M	196
8F	155	10D	194	13-L	165
9E	200	10C	193	14-O	180
7F	179	9C	196	13-C	193
7E	194	8B	195		
6G	210	7B	190		
5G	241	6C	194		
5H	277	5D	194		
5K	201	4E	191		
6L	201	3F	192		
7M	195	2G	186		
8N	198	1H	193		
9N	187	2L	195		
9M	243	3L	=		
10M	=	3M	198		
11L	188	4N	204		
11K	207	5-O	195		
12K	193	6-O	198		
13H	187	6P	174		
13G	234	7R	204		
13F	155	10R	187		



Date 4/24/79

Time 1500

Press. Pressure 933

T_A inlet 182

T_B inlet 181

T pressure 551

L Pressurizer 329

Press SG A

Press SG B

Letdown Flow

LOCATION OF FUEL ASSEMBLIES CONTAINING BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNIT

FIGURE 4.3-

556 ppm

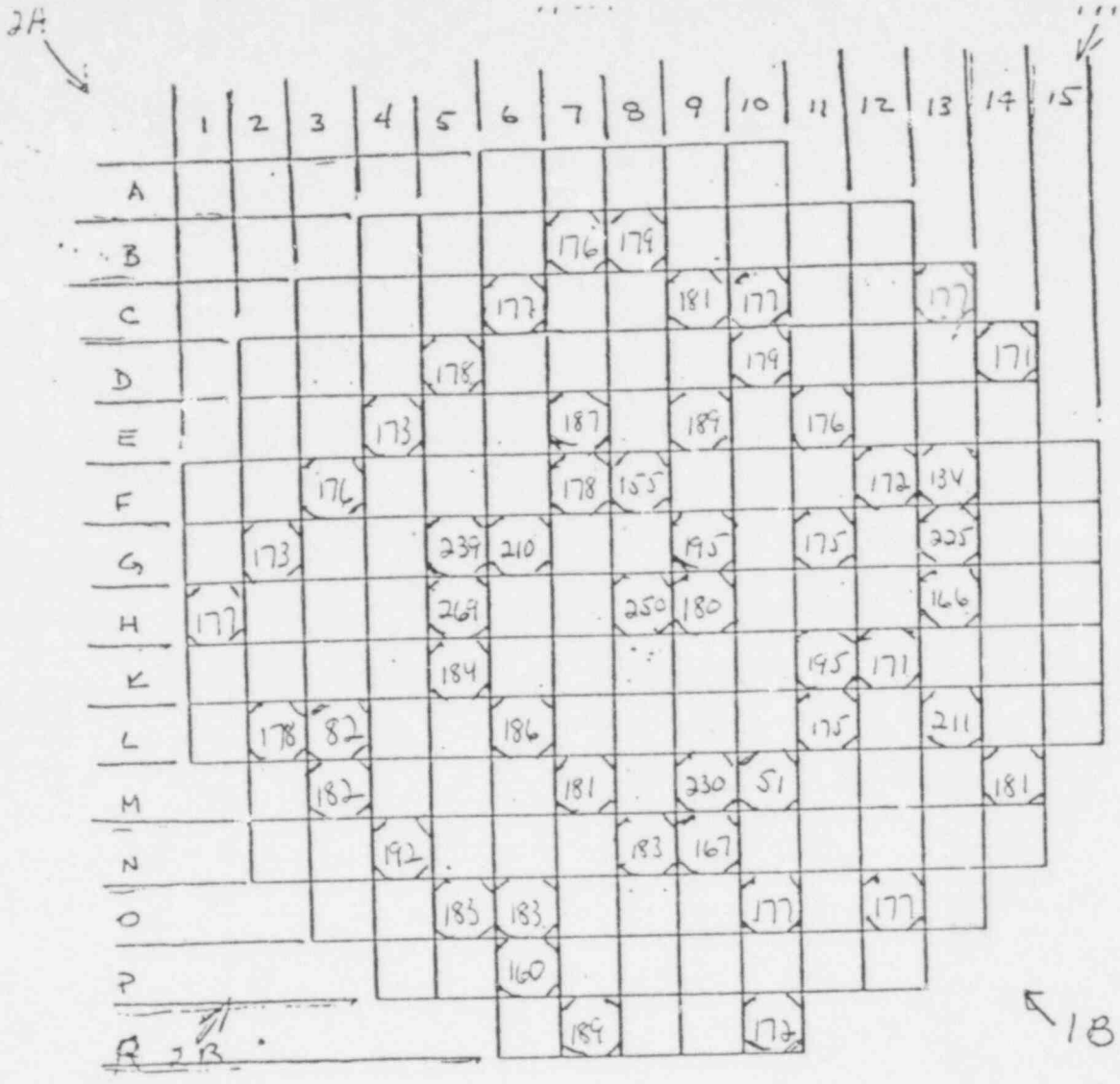
Hydrogen Concentration — %

CONTAINMENT:

Pressure -1.6 psig, Temperature 92 F

Thermocouple Read-out Sequence

8H	251	12F	178	10-O	182
9H	186	11G	181	12-O	183
9G	197	11E	182	14-M	186
8F	153	10D	184	13-L	207
9E	191	10C	183	14-O	172
7F	178	9C	186	13-C	183
7E	188	8B	185		
6G	209	7B	181		
5G	238	6C	183		
5H	270	5D	174		
5K	190	4E	179		
6L	191	3F	181		
7M	185	2G	176		
8N	188	1H	183		
9N	174	2L	184		
9M	233	3L	=		
10M	=	3M	187		
11L	178	4N	194		
11K	198	5-O	185		
12K	180	6-O	188		
13H	173	6P	164		
13G	229	7R	195		
13F	142	10R	177		



B out

Date 4/24/79

Time 1300

Press. Pressure 869

T_A inlet 173

T_B inlet 172

T pressure .543

L Pressurizer .327

Press SG A —

Press SG B —

Letdown Flow —

Aug Temp 180.45

LOCATION OF FUEL ASSEMBLIES CONTAINING BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNIT

FIGURE 4.3

556120

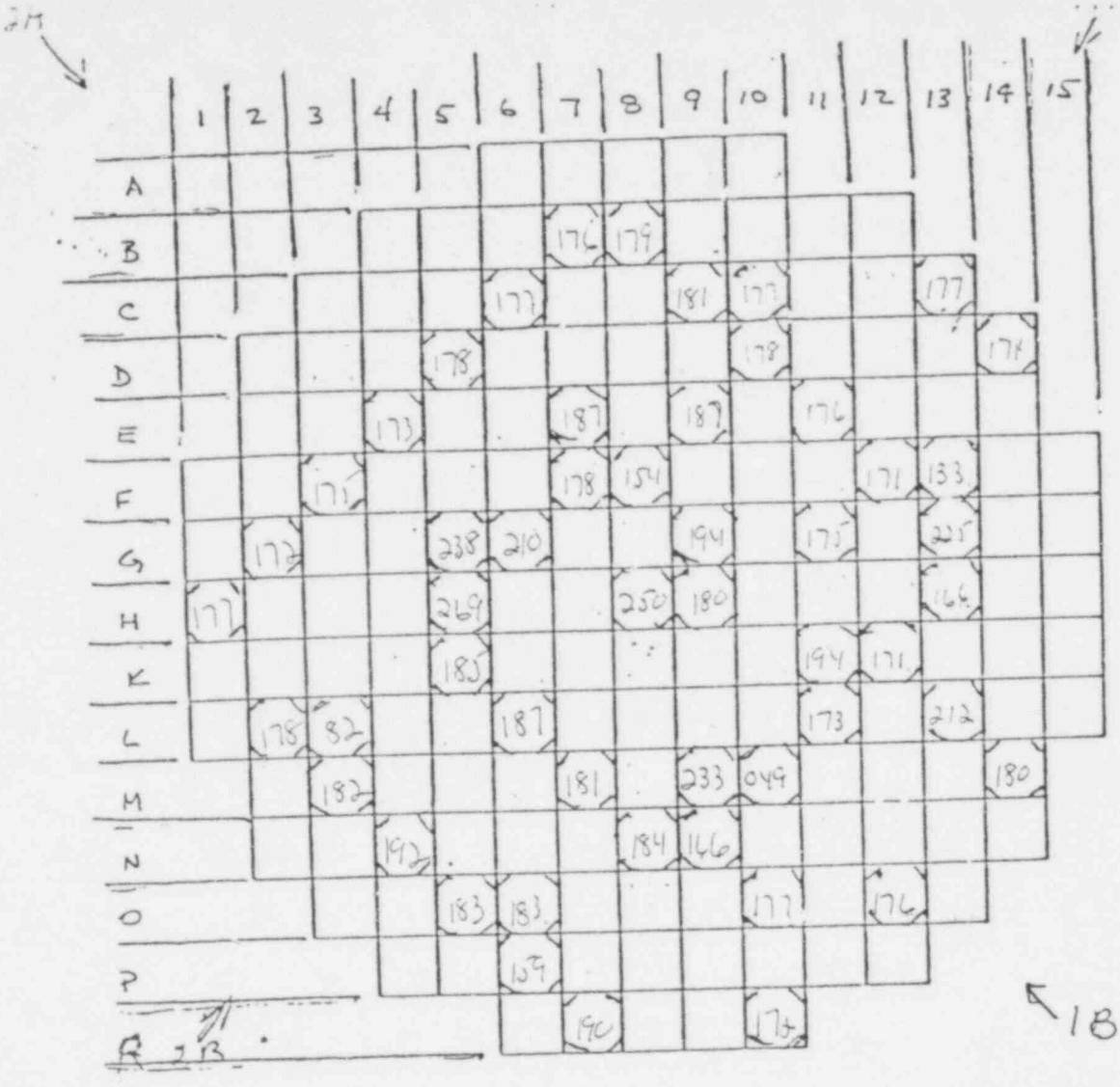
Hydrogen Concentration — — %

CONTAINMENT:

Pressure 2.9 psig, Temperature 92 F

Thermocouple Read-out Sequence

8H	250	12F	172	10-O	177
9H	180	11G	175	12-O	177
9G	195	11E	176	14-M	181
8F	155	10D	179	13-L	211
9E	189	10C	177	14-O	171
7F	178	9C	181	13-C	177
7E	187	8B	179		1094
6G	210	7B	176		
5G	239	6C	177		
5H	269	5D	178		
5K	184	4E	173	$\frac{7384}{52} = \overline{180.45}$	
6L	186	3F	176		
7M	181	2G	173		
8N	183	1H	177		
9N	167	2L	178		
9M	230	3L	82		
10M	51.	3M	182		
11L	175	4N	192		
11K	195	5-O	183		
12K	171	6-O	183		
13H	164	6P	160		
13G	225	7R	189		
13F	134	10R	172		
	4300		3790		



Date 4/24/79

Time 1100

Press. Pressure 936

T_A inlet 173

T_B inlet 172

T pressure 547

L Pressurizer 336

Press SGA —

Press SGB —

Letdown Flow —

Avg Temp 180.25

LOCATION OF FUEL ASSEMBLIES CONTAINING BURNABLE POISON RODS

THREE MILE ISLAND NUCLEAR STATION UNIT 1

FIGURE 4.3-

556122

Hydrogen Concentration — %

CONTAINMENT:

Pressure — psig, Temperature — F

Thermocouple Read-out Sequence

8H	250	12F	171	10-0	177
9H	180	11G	175	12-0	176
9G	194	11E	176	14-M	180
8F	154	10D	178	13-L	212
9E	187	10C	177	14-D	171
7F	178	9C	181	13-C	177
7E	187	8B	179		1093
6G	210	7B	176		
5G	238	6C	177		
5H	269	5D	178		
5K	185	4E	173	9373 / 52 =	180.25
6L	187	3F	175		
7M	181	2G	172		
8N	184	1H	177		
9N	166	2L	178		
9M	233	3L	182		
10M	049	3M	182		
11L	173	4N	192		
11K	194	5-O	183		
12K	171	6-O	183		
13H	166	6P	159		
13G	225	7R	190		
13F	133	10R	172		
	4294		3986		