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SUBJECT: Forwards results of SG tube eddy current insps completed in
 Apr 1996 during Unit 2 seventh refueling outage.

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Pacific Gas and Electric Company

Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424
805/545-6000

Robert P. Powers
Vice President—Diablo Canyon
Operations and Plant Manager

April 22, 1997

PG&E Letter DCL-97-037



U.S. Nuclear Regulatory Commission
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Docket No. 50-323, OL-DPR-82
Diablo Canyon Unit 2
Special Report 96-08: Results of Steam Generator Tube Eddy Current
Inspections During Unit 2 Seventh Refueling Outage

Dear Commissioners and Staff:

In accordance with Diablo Canyon Power Plant Technical Specifications 6.9.2 and 4.4.5.5b, this Special Report provides the results of steam generator (SG) tube eddy current inspections completed in April 1996 during the Unit 2 seventh refueling outage.

The enclosed tables provide the number and extent of tubes inspected in each SG and the location and percent through-wall of each indication identified.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. P. Powers'. The signature is fluid and cursive.

Robert P. Powers

cc: Steven D. Bloom
Ellis W. Merschoff
Kenneth E. Perkins
Michael D. Tschiltz
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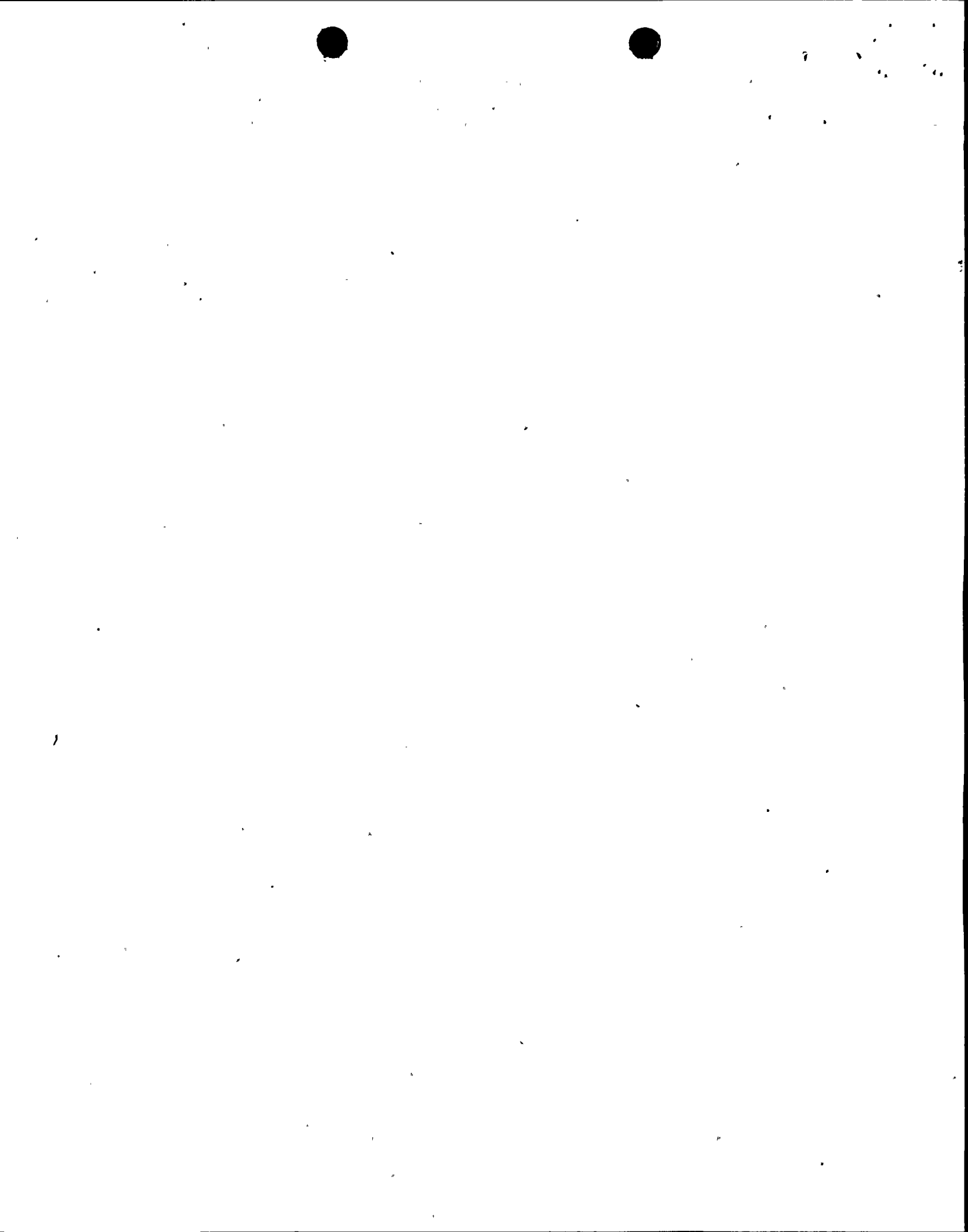
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SPECIAL REPORT 96-08

**RESULTS OF STEAM GENERATOR TUBE EDDY CURRENT INSPECTIONS
DURING UNIT 2 SEVENTH REFUELING OUTAGE**



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Table 1
Definitions of Abbreviations and Terms Used in Tables 2 and 3

SG	--	Steam Generator
Row	--	Row
Col	--	Column
LOC	--	SG location codes (see Figure 1 for definitions)
Extent	--	Extent of tube inspection (see Figure 1 for definitions)
Distance	--	Distance above or below the center line of the TSP or the top of TS
Plugged	--	Tube identified as defective and plugged
PID	--	Positive identification
TSP	--	Tube support plate
TS	--	Tubesheet
Indication--		Either percent through-wall or an Indication Code (below)
SAI	--	Single axial indication
MAI	--	Multiple axial indication
SCI	--	Single circumferential indication
MCI	--	Multiple circumferential indication
SVI	--	Single volumetric indication
MBM	--	Manufacturer's burnish mark
MMB	--	Multiple Manufacturer's burnish marks



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Table 2
Number and Extent of Tubes Inspected During 2R7

Probe	Size	Extent	Comments	SG 2-1	SG 2-2	SG 2-3	SG 2-4
Bobbin	720/700*	TEH-TEC	Full length	3183	3163	3178	3187
Bobbin	720	TEH-7H	Rows 1-2	184	182	179	182
Bobbin	720	7C-TEC	Rows 1-2	184	182	179	182
+ Point	680	7H-7C	Row 1-2 U-Bend	184	182	179	182
+ Point	720	1H-1H	Hot Leg TSP	113	912	156	439
+ Point	720	2H-2H	Hot Leg TSP	88	186	115	300
+ Point	720	3H-3H	Hot Leg TSP	105	115	131	346
+ Point	720	4H-4H	Hot Leg TSP	96	296	115	119
+ Point	720	5H-5H	Hot Leg TSP	109	99	96	99
+ Point	720	6H-6H	Hot Leg TSP	6	8	17	17
+ Point	720	7H-7H	Hot Leg TSP	30	25	26	72
+ Point	720	TSH-1H	Hot Leg Freespan	1	2	2	3
+ Point	720	TSH-3H	Hot Leg Freespan			1	
+ Point	720	1H-2H	Hot Leg Freespan	2	14	1	1
+ Point	720	2H-3H	Hot Leg Freespan	1	1		1
+ Point	720	3H-4H	Hot Leg Freespan				1
+ Point	720	4H-5H	Hot Leg Freespan		3		
+ Point	720	5H-6H	Hot Leg Freespan	1	1		
+ Point	720	6H-7H	Hot Leg Freespan		1	1	
+ Point	720	1C-1C	Cold Leg TSP	2	2	3	1
+ Point	720	2C-2C	Cold Leg TSP	6	11	1	2
+ Point	720	3C-3C	Cold Leg TSP	1			
+ Point	720	4C-4C	Cold Leg TSP	1	1		
+ Point	680	5C-5C	Cold Leg TSP	1			
+ Point	720	1C-2C	Cold Leg Freespan		1		
+ Point	720	2C-3C	Cold Leg Freespan		1	1	
+ Point	720	4C-5C	Cold Leg Freespan		1		
+ Point	720	5C-6C	Cold Leg Freespan		1		
+ Point	720	6C-7C	Cold Leg Freespan		2		
+ Point	720	TEH-TEH	Hot Leg Tubesheet		1		
+ Point	720	TEH-TSH	Hot Leg Tubesheet	2	2	1	
+ Point	720	TSH-TSH	Hot Leg Tubesheet	1592	2192	1572	2207
+ Point	720	TEC-TSC	Cold Leg Tubesheet	1	1		
+ Point	720	TSC-TSC	Cold Leg Tubesheet	2		5	
MagBias	680	1H-1H	Hot Leg TSP PID	1		1	
MagBias	680	3H-3H	Hot Leg TSP PID	10	8	12	2
MagBias	680	4H-4H	Hot Leg TSP PID	8	13	6	10
MagBias	680	5H-5H	Hot Leg TSP PID	4	2	2	2
MagBias	680	7H-7C	Row 1-2 U-Bend PID	11	15	13	15
RPC	680	7H-7C	Row 1-2 U-Bend	10	8	9	8
+ Point	720	1H-1H	Hot Leg TSP/ PG&E standard	8	4	5	10
+ Point	720	2H-2H	Hot Leg TSP/ PG&E standard		2	1	30
+ Point	720	3H-3H	Hot Leg TSP/ PG&E standard	1	1		2

* Regarding the full length bobbin exams, some tubes in rows 3, 4 and 5 were examined (either full length or partial length) with a 700 bobbin probe.

Probe Nomenclature:

Size: Probe diameter is specified in mils (e.g., 720 equals 0.720 inch probe diameter)

Bobbin: Differential inside diameter coil probe

+ Point: Three coil rotating probe (.115 pancake, .080 high frequency shielded pancake, and + Point coils)

MagBias: Single + Point rotating coil probe

RPC: Single .115 rotating pancake coil probe

Bobbin: Differential inside diameter coil



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Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-1	1	1	2C	-0.1	30	
	3	1	2C	0.0	24	
	4	2	2C	-0.2	28	
	10	2	2C	-0.1	30	
	6	3	2C	-0.2	30	
	8	3	2C	-0.2	28	
	13	4	2C	-0.2	40	Plugged
	12	6	4C	11.7	17	
	12	6	4C	19.9	11	
	12	6	4C	21.0	14	
	12	6	2C	10.1	36	
	12	6	4C	11.0	14	
	22	8	1C	0.0	12	
	6	9	5H	32.3	10	
	26	10	2C	-0.2	30	
	27	10	2C	-0.2	30	
	27	11	2C	-0.1	11	
	28	11	1C	0.1	17	
	8	12	1H	25.9	14	
	23	14	7C	-0.1	30	
	28	14	2C	-0.2	35	
	14	15	TSC	20.0	17	
	33	17	2C	0.0	32	
	34	17	3C	41.5	10	
	37	19	2C	-0.3	27	
	10	20	1C	9.1	MBM	
	34	20	7H	29.7	22	
	24	21	TSC	1.5	MBM	
	24	21	TSC	3.0	MBM	
	24	21	TSC	6.0	MBM	
	24	21	TSC	9.6	MBM	
	26	21	TSH	-2.1	SAI	Plugged
	36	21	3C	-0.3	41	Plugged
	38	22	1C	0.3	26	
	21	23	TSC	24.6	15	
	7	24	TSH	-2.1	SAI	Plugged
	20	27	1C	34.9	18	
	32	28	7H	97.2	12	
	26	29	7H	87.2	15	
	25	32	7H	46.5	12	
	25	32	7H	66.0	18	
	9	33	1C	37.4	MBM	
	17	33	1H	-0.2	SAI	Plugged
	22	33	2C	14.0	MBM	
	43	34	1C	0.2	41	Plugged
	32	35	TSH	0.1	SVI	
	36	35	7H	62.9	24	
	13	36	1H	-0.2	SAI	Plugged
	29	36	7H	76.0	15	

Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-1	35	37	5H	17.9	MBM	
	35	38	7H	90.9	10	
	35	38	7H	59.2	22	
	3	39	TSC	31.1	MBM	
	3	39	TSC	33.7	MBM	
	11	39	TSH	-1.7	SAI	Plugged
	17	39	TSC	28.5	MBM	
	43	40	2C	10.4	MBM	
	27	42	7H	48.3	38	
	11	43	TSH	-0.4	SAI	Plugged
	15	43	TSH	-2.7	SVI	
	23	43	1H	-0.1	SAI	Plugged
	16	44	6H	32.7	MBM	
	24	44	7H	44.2	12	
	22	45	TSC	30.4	23	
	27	45	1H	-0.1	SAI	Plugged
	10	46	3C	8.9	MBM	
	10	46	3C	5.8	MBM	
	20	46	TSC	0.6	20	
	24	46	1H	-0.1	MAI	Plugged
	28	46	5C	16.0	MBM	
	23	47	1H	-0.1	SAI	Plugged
	34	47	7H	115.1	11	
	34	47	7H	58.8	36	
	19	48	7H	36.5	19	
	20	48	7H	37.8	18	
	26	48	1H	-0.2	SAI	Plugged
	34	48	7H	114.6	22	
	27	49	1H	-0.1	SAI	Plugged
	23	53	7H	27.1	17	
	23	53	7H	60.7	10	
	23	53	7H	42.9	18	
	28	53	1C	28.8	MBM	
	36	53	7H	61.3	20	
	36	53	7H	33.3	19	
	42	53	5H	46.0	MBM	
	36	54	7H	62.3	29	
	11	55	TSH	-0.4	SAI	Plugged
	25	55	5C	16.5	MBM	
	28	56	3H	40.6	14	
	30	56	TSH	-0.7	SCI	Plugged
	19	57	7H	49.9	19	
	3	59	TSH	-1.4	SAI	Plugged
	23	59	TSC	31.2	MBM	
	33	59	7H	56.6	13	
	1	61	7H	6.3	SCI	Plugged
	20	61	7H	38.3	12	
	22	61	5H	29.1	MBM	
	24	61	7H	63.0	18	



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Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-1	24	61	7H	44.5	14	
	7	62	TSH	-2.0	SAI	Plugged
	24	62	7H	62.6	11	
	24	62	7H	44.2	15	
	38	62	1H	1.1	<10	
	4	63	3H	31.3	MBM	
	22	63	7H	41.0	11	
	22	63	7H	25.8	15	
	22	63	7H	57.8	17	
	23	63	7H	59.5	25	
	24	63	7H	62.8	16	
	24	63	7H	27.0	17	
	24	63	7H	44.0	18	
	7	64	TSH	-1.8	SAI	Plugged
	23	64	7H	60.5	18	
	27	64	7H	91.0	14	
	27	64	7H	70.6	24	
	23	65	7H	60.2	24	
	23	65	7H	42.3	12	
	27	65	7H	29.3	13	
	27	65	7H	70.5	18	
	26	66	3H	12.7	16	
	27	66	7H	70.4	20	
	27	66	7H	49.0	19	
	27	66	7H	28.8	24	
	42	66	3C	28.4	18	
	1	67	7H	3.7	SAI	Plugged
	23	67	7H	28.0	14	
	26	67	7H	29.0	18	
	26	67	7H	68.0	14	
	26	67	7H	47.7	13	
	26	67	7H	87.2	14	
	24	68	7H	27.6	19	
	1	69	7H	10.4	SAI	Plugged
	1	71	7H	10.3	SAI	Plugged
	23	71	7H	60.4	16	
	1	72	7H	10.4	MAI	Plugged
	2	74	1C	17.0	MBM	
	23	74	7H	26.5	17	
	1	75	7H	10.3	SAI	Plugged
	6	77	TSH	-1.5	SAI	Plugged
	35	77	4C	0.0	32	
	6	78	4H	7.5	22	
	1	79	7H	10.4	SAI	Plugged
	27	80	TSH	-1.1	SAI	Plugged
	25	83	4H	41.5	14	
	29	84	5H	47.9	10	
	1	85	7H	10.3	SAI	Plugged
	8	85	TSH	-0.4	SAI	Plugged



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Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-1	1	88	7H	10.1	SAI	Plugged
	16	89	3H	0.0	SAI	Plugged
	1	90	7H	10.4	SAI	Plugged
	8	90	5H	18.7	<10	
	4	94	1C	-0.2	28	
2-2	1	1	TSC	19.9	34	
	2	1	1C	-0.2	38	
	5	1	1C	-0.1	15	
	7	1	1C	-0.2	33	
	1	2	1C	-0.1	12	
	1	2	7H	10.2	SAI	Plugged
	4	2	1C	-0.1	29	
	11	2	2C	-0.2	57	Plugged
	1	3	7H	10.3	SAI	Plugged
	2	4	1H	-0.4	SAI	Plugged
	1	6	7H	5.7	SCI	Plugged
	4	7	1H	-0.6	SAI	Plugged
	4	7	1H	0.3	SAI	Plugged
	4	7	1H	0.0	SAI	Plugged
	15	7	1H	-0.5	SAI	Plugged
	15	7	1H	-0.2	SAI	Plugged
	8	8	2H	39.3	MBM	
	8	8	2H	41.2	MBM	
	14	8	1H	-0.5	SAI	Plugged
	16	8	1H	-0.2	SCI	Plugged
	13	9	1H	0.3	SCI	Plugged
	9	12	7H	41.8	MBM	
	14	12	1H	0.0	SCI	Plugged
	14	12	1H	0.2	SAI	Plugged
	30	14	2C	-0.1	14	
	31	14	2C	-0.2	<10	
	12	15	1H	-0.3	SAI	Plugged
	13	15	1H	-0.2	SCI	Plugged
	22	15	2H	41.0	22	
	28	15	TSH	-2.9	SAI	Plugged
	28	15	TSH	-2.4	SAI	Plugged
	6	16	1H	-0.3	SAI	Plugged
	6	16	1H	-0.1	SCI	Plugged
	10	16	1H	-0.4	SAI	Plugged
	11	16	4H	-0.2	SAI	Plugged
	4	17	1H	0.1	SCI	Plugged
	10	17	4H	-0.3	SAI	Plugged
	9	18	2H	31.2	11	
	9	18	4H	-0.2	SAI	Plugged
	12	21	1H	-0.1	SAI	Plugged
	16	21	1H	0.5	SAI	Plugged
	11	22	1H	-0.4	SAI	Plugged
	5	23	1H	-0.5	SAI	Plugged



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Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-2	19	23	2H	0.1	SAI	Plugged
	23	23	1H	-0.1	MAI	Plugged
	27	23	1H	-0.3	SAI	Plugged
	39	23	2C	-0.3	29	
	8	24	1H	-0.3	SAI	Plugged
	26	24	4H	-0.2	SAI	Plugged
	3	25	1H	0.0	SCI	Plugged
	12	25	1H	0.4	SAI	Plugged
	12	25	1H	-0.6	SAI	Plugged
	12	25	1H	0.2	SCI	Plugged
	26	25	5C	23.9	MBM	
	31	25	TSH	-1.9	SAI	Plugged
	14	26	1H	-0.1	SCI	Plugged
	20	26	1H	0.1	SCI	Plugged
	35	26	2H	2.3	MBM	
	7	27	1H	-0.3	SAI	Plugged
	9	27	1H	-0.2	SAI	Plugged
	31	27	1H	-0.2	SAI	Plugged
	31	27	1H	-0.1	SAI	Plugged
	39	27	7H	100.6	17	
	40	27	2C	-0.2	11	
	9	28	1H	-0.4	SAI	Plugged
	13	28	2H	0.2	SCI	Plugged
	14	28	1H	0.1	SCI	Plugged
	19	28	TSH	-0.1	SCI	Plugged
	25	28	2C	0.0	18	
	42	28	2C	-0.4	39	
	9	29	TSH	-0.1	SCI	Plugged
	12	29	4H	0.0	SCI	Plugged
	13	29	1H	-0.1	SCI	Plugged
	13	29	2H	-0.3	SAI	Plugged
	7	30	1H	-0.3	SAI	Plugged
	22	31	7H	40.2	27	
	23	31	7H	27.8	17	
	23	31	7H	41.9	14	
	23	31	7H	60.1	18	
	23	31	7H	78.8	<10	
	43	31	2C	-0.4	29	
	8	32	1H	0.2	SCI	Plugged
	23	32	7H	42.2	18	
	27	32	7H	28.5	21	
	27	32	7H	47.5	30	
	27	32	7H	69.9	34	
	27	32	7H	48.5	17	
	28	32	7H	49.8	25	
	28	32	7H	50.7	34	
	28	32	7H	30.6	16	
	28	32	7H	72.7	34	
	43	32	2C	-0.3	21	



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Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-2	14	33	1H	0.1	SAI	Plugged
	14	33	1H	-0.3	SAI	Plugged
	42	33	2C	-0.2	26	
	8	34	1H	0.0	MCI	Plugged
	13	34	1H	0.0	SCI	Plugged
	6	35	TSH	41.4	14	
	12	35	1H	-0.1	SAI	Plugged
	42	35	2C	-0.2	<10	
	5	36	1H	35.8	MBM	
	8	36	1H	-0.3	SAI	Plugged
	45	37	2C	-0.3	12	
	23	38	7H	60.6	19	
	31	38	1H	-0.2	SAI	Plugged
	11	39	1H	-0.3	SCI	Plugged
	15	39	4H	-0.4	SAI	Plugged
	24	39	1H	0.0	SAI	Plugged
	41	39	7H	36.9	18	
	23	40	7H	78.1	12	
	23	40	7H	60.0	<10	
	28	40	7H	51.0	30	
	28	40	7H	72.8	17	
	34	40	TSH	-0.9	SVI	
	36	40	7H	34.6	13	
	21	41	1H	0.2	SAI	Plugged
	21	41	1H	-0.3	SAI	Plugged
	23	41	7H	42.9	19	
	23	41	7H	27.4	14	
	23	41	7H	60.6	17	
	29	41	7H	52.1	16	
	29	41	7H	98.6	<10	
	29	41	7H	30.4	10	
	36	42	7H	33.8	18	
	36	42	7H	62.1	28	
	41	42	3H	-0.2	SAI	Plugged
	13	43	TSH	-1.5	SAI	Plugged
	17	44	1C	31.4	19	
	23	44	7H	60.5	25	
	23	44	7H	27.3	16	
	25	44	5H	-0.2	SAI	Plugged
	25	44	1H	0.0	MAI	Plugged
	27	44	7H	29.8	15	
	27	44	7H	49.3	11	
	27	44	7H	70.9	31	
	34	44	3C	39.0	MBM	
	29	45	7H	30.5	13	
	29	45	7H	51.6	20	
	29	45	7H	75.3	22	
	29	45	7H	98.5	12	
	1	47	7H	3.8	MAI	Plugged



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Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-2	21	47	7H	40.4	20	
	14	48	1H	0.5	SAI	Plugged
	14	48	1H	0.1	SAI	Plugged
	14	48	1H	-0.3	SAI	Plugged
	14	48	1H	-0.6	SAI	Plugged
	15	48	1H	-0.3	SAI	Plugged
	15	48	1H	0.2	SAI	Plugged
	16	49	1H	-0.2	SAI	Plugged
	17	49	1H	0.0	SAI	Plugged
	21	49	2H	25.4	14	
	23	49	7H	43.1	27	
	23	49	7H	26.9	20	
	23	49	7H	60.2	13	
	27	49	7H	70.4	20	
	27	49	7H	49.4	11	
	37	49	7H	95.8	16	
	1	50	7H	3.8	SAI	Plugged
	25	50	6H	1.1	16	
	34	50	3H	21.1	11	
	37	50	7H	95.3	20	
	29	51	7H	75.9	13	
	29	51	7H	52.1	10	
	29	51	7H	29.8	<10	
	33	52	7H	32.4	10	
	33	52	7H	85.7	16	
	33	52	7H	58.3	26	
	14	53	1H	0.3	SCI	Plugged
	14	53	1H	0.1	SCI	Plugged
	16	53	TSH	-0.2	SCI	Plugged
	23	53	7H	43.5	23	
	23	53	7H	60.7	26	
	33	53	7H	113.3	13	
	1	54	7H	3.7	SAI	Plugged
	17	54	1H	-0.2	SAI	Plugged
	29	54	7H	51.4	16	
	29	54	7H	75.4	16	
	34	54	4H	0.1	SAI	Plugged
	27	55	7H	49.1	29	
	41	55	TSH	45.3	MBM	
	41	55	2H	25.5	MBM	
	1	56	7H	3.7	SAI	Plugged
	10	56	TSH	-1.0	SAI	Plugged
	17	56	1C	12.6	MBM	
	22	56	1H	0.5	SAI	Plugged
	32	56	7H	82.5	19	
	32	56	7H	55.2	13	
	37	56	7H	64.0	23	
	43	56	5H	49.3	MBM	
	28	57	7H	49.8	42	Plugged



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Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-2	28	57	1C	2.9	16	
	28	57	7H	28.7	15	
	28	57	7H	95.3	27	
	28	57	7H	72.5	26	
	40	57	7H	68.1	16	
	40	57	7H	34.9	12	
	20	58	7H	52.7	12	
	27	58	7H	70.5	10	
	31	58	6H	-0.9	18	
	44	58	2C	-0.2	13	
	14	59	6C	23.5	MBM	
	44	59	TSH	16.0	36	
	44	59	TSH	14.4	32	
	45	59	TSH	15.0	15	
	33	60	TSH	-0.4	SAI	Plugged
	44	61	1H	0.1	SVI	Plugged
	26	62	1C	24.6	MBM	
	19	63	7H	36.4	14	
	19	63	7H	50.1	22	
	22	63	7H	57.4	31	
	22	63	7H	25.9	10	
	22	63	7H	40.6	26	
	42	63	4C	-0.2	16	
	26	64	7H	47.1	28	
	26	64	7H	67.2	27	
	28	64	7H	71.4	20	
	33	64	6H	32.0	<10	
	43	64	6C	14.7	17	
	19	65	7H	63.5	21	
	19	65	7H	36.5	35	
	20	65	7H	37.5	27	
	20	65	7H	52.4	30	
	20	65	7H	67.8	25	
	25	65	4C	16.8	MBM	
	26	65	7H	67.0	26	
	26	65	7H	87.8	12	
	26	65	7H	46.6	17	
	19	66	4C	3.1	MBM	
	28	66	7H	72.2	17	
	19	67	2H	43.8	18	
	22	67	7H	40.8	14	
	22	67	7H	58.2	30	
	33	67	TSC	13.2	30	
	33	67	TSC	3.5	20	
	19	68	3H	6.6	28	
	22	69	7H	57.8	19	
	22	69	7H	24.6	17	
	39	69	2C	0.1	10	
	2	71	TSH	3.0	MBM	



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Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-2	34	71	7H	87.1	10	
	40	71	1C	-0.4	29	
	28	72	7H	93.6	20	
	20	73	2H	-0.1	SAI	Plugged
	19	75	2H	-0.2	SAI	Plugged
	31	75	7C	0.2	37	
	36	76	2C	-0.2	36	
	36	76	7H	121.6	18	
	10	78	5C	40.9	MBM	
	32	78	2C	-0.3	48	Plugged
	35	78	3C	0.0	27	
	18	79	TEH	19.3	SVI	
	33	79	2C	-0.3	44	Plugged
	34	79	2C	-0.3	19	
	10	80	6H	6.5	35	
	1	83	1H	0.2	SVI	
	29	83	2C	-0.2	14	
	11	85	2C	33.6	MBM	
	24	87	2C	-0.2	20	
	2	89	1H	39.9	13	
	3	91	1C	39.4	MBM	
	3	91	2C	28.5	MBM	
	1	92	7H	3.5	SAI	Plugged
	9	92	2C	-0.2	41	Plugged
	10	92	5C	21.9	MBM	
	11	92	2C	-0.2	39	
	2	93	2C	-0.1	29	
6	93	2C	-0.2	31		
7	93	2C	-0.2	26		
10	93	2C	-0.2	26		
1	94	TSH	20.4	MBM		
2	94	2C	0.0	26		
2-3	7	1	1C	-0.2	<10	
	24	8	1C	-0.1	37	
	13	9	6C	30.0	17	
	33	16	3C	-0.1	19	
	1	17	7H	3.7	SAI	Plugged
	36	19	1C	0.0	18	
	27	20	1H	0.0	SVI	
	38	21	2C	-0.2	31	
	13	24	TSH	-2.4	SVI	
	24	26	2C	11.2	MBM	
	38	26	2H	5.1	<10	
	22	30	7H	42.8	27	
	1	34	7H	10.3	SAI	Plugged
	33	34	2H	-0.2	SAI	Plugged
	43	35	1C	0.1	33	
33	36	7H	86.4	18		



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Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-3	33	36	7H	60.0	23	
	36	36	7H	64.0	21	
	36	36	7H	93.7	21	
	36	36	7H	122.9	14	
	25	37	TSH	-1.5	SAI	Plugged
	21	38	TSH	-1.2	SAI	Plugged
	36	38	7H	93.4	18	
	23	40	7H	26.9	14	
	23	40	7H	43.2	10	
	23	40	7H	60.3	12	
	19	41	7H	36.9	14	
	23	41	7H	60.1	11	
	23	41	7H	43.8	10	
	1	42	7H	3.7	SAI	Plugged
	1	42	7H	3.3	SAI	Plugged
	1	42	7H	3.9	SAI	Plugged
	1	42	7H	7.3	SCI	Plugged
	23	42	7H	60.3	19	
	23	42	7H	44.3	13	
	33	42	7H	85.9	18	
	44	44	1H	0.0	SAI	Plugged
	45	46	2C	-0.3	20	
	4	47	1H	-0.2	SAI	Plugged
	1	48	7H	10.3	SAI	Plugged
	46	48	2C	-0.3	25	
	1	49	7H	10.3	SAI	Plugged
	1	49	7H	10.4	SAI	Plugged
	19	49	TSH	4.0	MBM	
	33	49	1H	4.4	MBM	
	1	51	7H	10.1	SAI	Plugged
	1	51	7H	10.5	SAI	Plugged
	5	51	TSH	-2.1	SAI	Plugged
	34	51	7H	89.2	14	
	22	53	5H	40.8	MBM	
	23	54	7H	43.8	10	
	29	54	3H	18.7	13	
	34	54	7H	88.1	37	
	34	54	7H	60.2	33	
	45	56	2C	-0.2	10	
	1	57	7H	10.1	SAI	Plugged
	17	57	1H	-0.1	MAI	Plugged
	17	57	1H	-0.2	SAI	Plugged
	1	59	7H	10.3	SAI	Plugged
	7	59	TSH	-1.6	SAI	Plugged
	45	59	3C	-0.3	18	
	29	61	7H	51.2	22	
	43	61	2C	-0.2	47	Plugged
	35	64	1C	38.6	11	
	15	65	1H	22.8	11	



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Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-3	31	65	TSH	9.1	MMB	
	43	65	2C	-0.3	15	
	33	67	7H	85.9	17	
	14	69	5H	37.7	MBM	
	27	69	4H	20.0	MBM	
	17	70	1H	-0.1	MAI	Plugged
	9	71	TSH	-0.3	SAI	Plugged
	33	74	1H	-0.1	MAI	Plugged
	6	77	TSH	-1.7	SAI	Plugged
	20	77	3H	-0.3	SAI	Plugged
	20	77	3H	0.1	SAI	Plugged
	27	80	5C	43.8	MBM	
	2	83	7H	14.4	SAI	Plugged
	2	83	7H	14.6	SAI	Plugged
	11	84	1H	-0.3	SAI	Plugged
	11	86	TSC	10.8	10	
	17	90	1H	-0.2	SAI	Plugged
	2	91	TSH	-0.9	SAI	Plugged
	14	91	1C	-0.1	18	
	10	92	2C	-0.1	34	
	12	92	2C	-0.1	25	
	14	92	2C	0.0	21	
	9	93	2C	-0.1	29	
	4	94	1C	0.0	41	Plugged
2-4	4	2	1C	0.0	35	
	8	6	1H	-0.2	SAI	Plugged
	2	10	TSH	-1.4	SAI	Plugged
	15	10	TSH	-1.0	SAI	Plugged
	16	11	3H	-0.2	SAI	Plugged
	3	12	TSH	-2.3	SAI	Plugged
	9	12	3H	-0.3	SAI	Plugged
	9	12	3H	-0.3	SAI	Plugged
	6	15	1H	-0.2	SAI	Plugged
	10	16	3H	-0.3	SAI	Plugged
	21	16	2C	40.5	MBM	
	32	16	1C	-0.3	35	
	6	20	1H	-0.2	SAI	Plugged
	23	20	2H	-0.3	SAI	Plugged
	30	20	2H	-0.2	SAI	Plugged
	6	21	3H	0.0	SAI	Plugged
	12	23	1H	-0.2	SAI	Plugged
	21	23	1H	-0.3	SAI	Plugged
	27	23	2H	-0.2	SAI	Plugged
	1	24	5H	13.6	MBM	
	26	24	TSH	-2.2	SAI	Plugged
	36	25	1H	-0.1	SAI	Plugged
	34	26	5C	7.2	MBM	
	1	27	7H	4.0	SAI	Plugged

Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-4	1	28	7H	3.8	SAI	Plugged
	12	28	1H	-0.3	SAI	Plugged
	19	28	1H	-0.3	SAI	Plugged
	8	29	1H	-0.1	SAI	Plugged
	9	29	1H	-0.1	SAI	Plugged
	15	29	1H	-0.2	SAI	Plugged
	19	29	7H	37.5	13	
	19	29	7H	26.0	12	
	24	29	7H	79.7	10	
	24	29	7H	28.6	18	
	24	29	7H	63.4	13	
	14	30	5H	37.3	MBM	
	22	30	7H	58.6	30	
	33	32	2H	-0.2	SAI	Plugged
	17	33	TSH	-0.7	SAI	Plugged
	21	34	1H	-0.1	SAI	Plugged
	35	34	2H	-0.1	SAI	Plugged
	6	35	TSH	-1.7	SAI	Plugged
	16	35	TSH	-0.2	SCI	Plugged
	12	36	TSH	-0.1	SCI	Plugged
	28	36	5H	21.2	MBM	
	9	37	3C	10.1	MBM	
	7	39	3H	-0.1	SAI	Plugged
	4	40	1H	-0.2	SAI	Plugged
	29	40	7H	29.8	23	
	29	40	7H	52.1	37	
	29	40	7H	75.2	25	
	29	40	7H	98.1	19	
	15	41	TSH	-0.6	SAI	Plugged
	19	41	2H	-0.2	SAI	Plugged
	42	41	2H	0.0	SAI	Plugged
	12	42	TSH	-1.8	SAI	Plugged
	19	42	3H	40.0	MBM	
	23	42	2H	-0.3	SAI	Plugged
	7	44	3H	-0.3	SAI	Plugged
	22	44	1H	-0.2	SAI	Plugged
	1	45	7H	10.6	SAI	Plugged
	19	45	1H	-0.4	SAI	Plugged
	31	45	1H	-0.2	SAI	Plugged
	1	46	7H	10.3	SAI	Plugged
	1	46	7H	10.2	SAI	Plugged
	5	46	TSH	-0.6	SAI	Plugged
	18	46	TSH	-0.1	SCI	Plugged
	37	46	2H	-0.2	SAI	Plugged
	8	47	2H	-0.2	SAI	Plugged
	13	47	6H	20.5	MBM	
	41	47	3H	0.1	SAI	Plugged
	16	48	1H	25.7	15	
	22	48	2H	-0.3	SAI	Plugged

Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-4	33	48	7H	32.1	19	
	33	48	7H	111.3	15	
	33	50	7H	57.7	11	
	22	51	3H	29.0	15	
	39	51	7H	35.4	23	
	17	53	TSH	-0.2	SCI	Plugged
	19	53	2C	19.7	27	
	3	56	3H	-0.1	SAI	Plugged
	22	56	3H	33.8	MBM	
	38	58	5H	11.8	17	
	2	59	2H	-0.2	MAI	Plugged
	2	59	2H	-0.3	SAI	Plugged
	2	59	2H	-0.1	SAI	Plugged
	4	59	1H	-0.1	SAI	Plugged
	33	60	7H	57.9	29	
	23	61	7H	60.8	11	
	23	61	7H	43.3	19	
	26	61	7H	47.2	42	Plugged
	26	61	7H	67.8	17	
	34	61	7H	87.8	19	
	23	63	7H	61.3	28	
	4	64	3H	-0.2	SAI	Plugged
	4	64	3H	-0.2	SAI	Plugged
	4	64	2H	-0.2	SAI	Plugged
	25	64	TSH	-1.4	SAI	Plugged
	3	65	3H	0.5	SAI	Plugged
	24	65	7H	25.7	19	
	24	65	7H	63.1	22	
	31	65	7H	30.9	25	
	38	65	2H	-0.2	MAI	Plugged
	13	66	2H	-0.3	SAI	Plugged
	42	66	3C	19.5	MBM	
	25	67	7H	27.5	16	
	25	67	7H	66.0	17	
	36	67	2H	0.0	SAI	Plugged
	36	67	2H	-0.1	SAI	Plugged
	4	68	2H	-0.1	MAI	Plugged
	6	68	TSH	-0.8	SAI	Plugged
	3	69	1H	-0.1	MAI	Plugged
	3	69	1H	-0.2	MAI	Plugged
	19	69	TSC	24.8	<10	
	20	70	7H	31.4	11	
	6	73	2H	0.0	MAI	Plugged
	19	73	7H	61.3	19	
	24	73	2H	-0.1	SAI	Plugged
	25	73	2H	-0.1	MAI	Plugged
	15	74	2H	-0.2	SAI	Plugged
	19	74	2H	-0.2	MAI	Plugged
	15	75	2H	-0.1	SAI	Plugged



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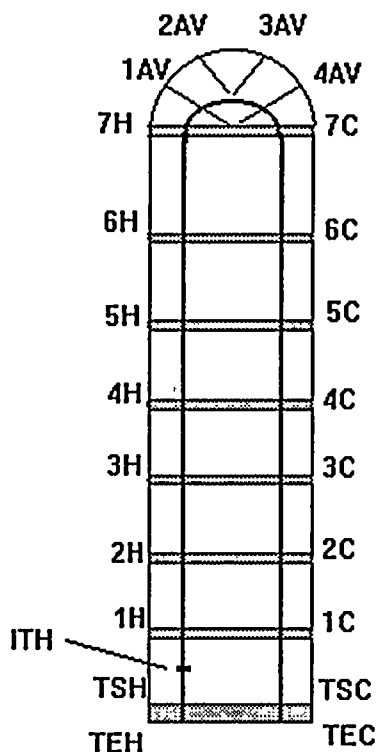
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Table 3
Location and Percent Through-wall of All Indications Identified During 2R7

SG	Row	Col	LOC	Distance	Indication	Remarks
2-4	11	74	2H	-0.1	SAI	Plugged
	23	75	2H	-0.1	SAI	Plugged
	7	76	2H	-0.2	SAI	Plugged
	15	76	2H	-0.2	MAI	Plugged
	15	76	2H	-0.1	SAI	Plugged
	19	76	5H	36.3	MBM	
	1	77	7H	10.3	SAI	Plugged
	15	77	2H	-0.2	SAI	Plugged
	20	77	2H	-0.2	SAI	Plugged
	13	79	2H	-0.2	SAI	Plugged
	25	79	2H	-0.1	SAI	Plugged
	2	80	5C	40.0	23	
	7	80	3H	-0.2	SAI	Plugged
	31	80	1C	-0.1	37	
	31	82	1C	0.1	15	
	14	83	2H	-0.4	SAI	Plugged
	1	84	7H	10.4	SAI	Plugged
	1	85	7H	3.5	SAI	Plugged
	11	87	2H	-0.1	SAI	Plugged
	24	87	1C	-0.2	29	
	10	88	2H	-0.2	MAI	Plugged
	10	88	2H	-0.1	SAI	Plugged
	14	88	2H	-0.4	SAI	Plugged
	1	90	7H	3.9	SAI	Plugged
	3	92	2C	-0.1	42	Plugged
	10	92	2C	-0.1	<10	
	2	93	2C	-0.2	<10	
	3	93	2C	-0.2	38	
	4	93	1C	0.0	37	
	4	93	2C	-0.2	31	



Figure 1
SG Eddy Current Location Code Definitions



- TEH -- Tube End HL (Hot Leg)
- TSH -- Top of Tube Sheet HL
- ITH -- Implant Top Hot (applies to
16 tubes in SG 1-1 only)
- 1H -- 1st TSP (Tube Support Plate) HL
- 2H -- 2nd TSP HL
- 3H -- 3rd TSP HL
- 4H -- 4th TSP HL
- 5H -- 5th TSP HL
- 6H -- 6th TSP HL
- 7H -- 7th TSP HL
- 1AV -- 1st AVB (Anti-Vibration Bar)
- 2AV -- 2nd AVB
- 3AV -- 3rd AVB
- 4AV -- 4th AVB
- 7C -- 7th TSP CL (Cold Leg)
- 6C -- 6th TSP CL
- 5C -- 5th TSP CL
- 4C -- 4th TSP CL
- 3C -- 3rd TSP CL
- 2C -- 2nd TSP CL
- 1C -- 1st TSP CL
- TSC -- Top of Tube Sheet CL
- TEC -- Tube End CL

