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Diablo Canyon Unit 2

Special Report 02-01: Results of Steam Generator Tube Eddy Current Inspections  
During Unit 2 Tenth Refueling Outage

Dear Commissioners and Staff:

In accordance with Diablo Canyon Power Plant Technical Specification 5.6.10.b, this special report provides the results of steam generator (SG) tube eddy current inspections performed during the Unit 2 tenth refueling outage, completed in May 2001.

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

Sincerely,

David H. Oatley

ddm/469

Enclosure

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A001

**SPECIAL REPORT 02-01**

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

### Introduction

TS 5.6.10.b requires that the results of steam generator tube inspections be submitted to the NRC within 12 months following completion of the inspection. The report shall include:

1. Number and extent of tubes inspected,
2. Location and percent of wall thickness penetration for each indication of an imperfection, and
3. Identification of tubes plugged.

Table 1 provides the number and extent of tubes inspected in each SG.

Table 2 provides the location and percent through-wall of each indication identified, and identifies the tubes that were plugged in 2R10. One tube was preventively plugged due to data quality concerns, where no indication was detected by eddy current.

**Notes:**

1. Free span indications (e.g., manufacturing burnish mark) that had eddy current signals traceable to preservice inspection data are not considered as reportable indications and are not included in this report.
2. Table 2 provides axial outside diameter stress corrosion cracking (ODSCC) indications at TSPs that were confirmed by Plus Point. For simplicity, one indication per TSP is reported, even if multiple indications were reported by Plus Point. Bobbin distorted OD support signals (DOS) that were not confirmed by Plus Point are not reportable indications and are not included in this report. A discussion of DOS attributed to axial ODSCC are included in the 90 day report for voltage-based alternate repair criteria (ARC), submitted to the NRC in DCL-01-086 dated August 21, 2001.

### Abbreviations and Terms

The following provides a definition of abbreviations and terms used in Tables 1 and 2.

|                         |                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SG                      | Steam Generator                                                                                                                                                                                                                                                                                                                                          |
| Row                     | Row                                                                                                                                                                                                                                                                                                                                                      |
| Col                     | Column                                                                                                                                                                                                                                                                                                                                                   |
| Location                | SG location codes                                                                                                                                                                                                                                                                                                                                        |
| Inch                    | Distance above or below the center line of the TSP or the top of TS, inches                                                                                                                                                                                                                                                                              |
| Bobbin                  | Differential inside diameter coil probe                                                                                                                                                                                                                                                                                                                  |
| +Point                  | Plus Point rotating probe                                                                                                                                                                                                                                                                                                                                |
| TSP                     | Tube support plate                                                                                                                                                                                                                                                                                                                                       |
| TS                      | Tubesheet                                                                                                                                                                                                                                                                                                                                                |
| Indication              | Type of indication: Indication Code, anti-vibration bar (AVB) wear, or cold leg thinning (CLT)                                                                                                                                                                                                                                                           |
| ID/OD                   | Location of crack-like indications on tube surface, either ID or OD                                                                                                                                                                                                                                                                                      |
| %TW                     | Depth of indication as percent through-wall. 0% indicates a signal with shallow OD phase angle.                                                                                                                                                                                                                                                          |
| <b>INDICATION CODES</b> |                                                                                                                                                                                                                                                                                                                                                          |
| SAI                     | Single axial indication (from +Point exam)<br>Note: SAI may be left in service for the following reasons: <ul style="list-style-type: none"> <li>• Voltage-based ARC for axial ODSCC at TSP intersections</li> <li>• W* ARC for axial PWSCC in WEXTEx tubesheet</li> <li>• Less than 40% through-wall axial PWSCC at dented TSP intersections</li> </ul> |
| SCI                     | Single circumferential indication (from +Point exam)                                                                                                                                                                                                                                                                                                     |

**Table 1**  
Number and Extent of Tube Inspections During 2R10

| SCOPE                                            | PROBE TYPE | SG 21                             | SG 22                             | SG 23                             | SG 24                             |
|--------------------------------------------------|------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Full length (except Rows 1 and 2 U-bends)        | Bobbin     | 100%                              | 100%                              | 100%                              | 100%                              |
| Rows 1 and 2 U-bends                             | + Point    | 100%                              | 100%                              | 100%                              | 100%                              |
| Hot Leg top-of tubesheet                         | + Point    | 100%                              | 100%                              | 100%                              | 100%                              |
| ≥ 5 volt dented TSP intersections                | + Point    | 100%                              | 100%                              | 100%                              | 100%                              |
| >2 and < 5 volt dented TSP intersections         | + Point    | 20% at 1H                         | 100% from 1H to 5H, 20% at 6H     | 100% from 1H to 3H, 20% at 4H     | 100% from 1H to 3H, 20% at 4H     |
| Hot leg roll plugs                               | + Point    | NA                                | 100% of plugs installed in 2R7    | NA                                | 100% of plugs installed in 2R7    |
| Distorted OD bobbin signals at TSP intersections | + Point    | Per voltage-based repair criteria | Per voltage-based repair criteria | Per voltage-based repair criteria | Per voltage-based repair criteria |
| Distorted ID bobbin signals at TSP intersections | + Point    | 100%                              | 100%                              | 100%                              | 100%                              |
| Free span dings                                  | + Point    | 20% TSH to 1H                     | 20% TSH to 5H                     | 20% TSH to 3H                     | 20% TSH to 3H                     |
| Baseline TSP ligament indications                | + Point    | NA                                | NA                                | 100%                              | 100%                              |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch  | Ind | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|-------|-----|-----|-------|-------------------------------|
| 21 | 2   | 2   | 2C   | -0.10 | CLT | 31  |       |                               |
| 21 | 2   | 4   | 3C   | 0.13  | CLT | 3   |       |                               |
| 21 | 2   | 47  | 2H   | -0.07 | SAI |     | OD    |                               |
| 21 | 3   | 1   | 2C   | 0.00  | CLT | 31  |       |                               |
| 21 | 3   | 4   | 2C   | -0.13 | CLT | 0   |       |                               |
| 21 | 3   | 46  | 2H   | 0.05  | SAI |     | OD    |                               |
| 21 | 3   | 59  | TSH  | -1.10 | SAI |     | ID    |                               |
| 21 | 4   | 1   | 2C   | -0.07 | CLT | 8   |       |                               |
| 21 | 4   | 2   | 2C   | -0.08 | CLT | 32  |       |                               |
| 21 | 4   | 3   | 2C   | -0.09 | CLT | 19  |       |                               |
| 21 | 4   | 3   | 3C   | -0.07 | CLT | 5   |       |                               |
| 21 | 4   | 94  | 1C   | -0.15 | CLT | 32  |       |                               |
| 21 | 5   | 2   | 2C   | 0.02  | CLT | 3   |       |                               |
| 21 | 5   | 17  | 2H   | -0.05 | SAI |     | OD    | >2V DOS and SAI-OD @ 2H       |
| 21 | 6   | 1   | 2C   | -0.06 | CLT | 6   |       |                               |
| 21 | 6   | 77  | TSH  | -1.27 | SAI |     | ID    |                               |
| 21 | 7   | 1   | 2C   | 0.00  | CLT | 35  |       |                               |
| 21 | 7   | 24  | TSH  | -1.78 | SAI |     | ID    |                               |
| 21 | 7   | 62  | TSH  | -1.78 | SAI |     | ID    |                               |
| 21 | 8   | 2   | 2C   | -0.04 | CLT | 0   |       |                               |
| 21 | 8   | 3   | 2C   | -0.04 | CLT | 49  |       | ≥40% TW CLT @ 2C              |
| 21 | 8   | 22  | 1H   | 0.04  | SAI |     | OD    |                               |
| 21 | 8   | 32  | TSH  | -1.73 | SAI |     | ID    |                               |
| 21 | 9   | 49  | TSH  | -2.00 | SAI |     | ID    |                               |
| 21 | 10  | 2   | 2C   | -0.08 | CLT | 17  |       |                               |
| 21 | 10  | 3   | 2C   | -0.10 | CLT | 0   |       |                               |
| 21 | 11  | 27  | 1H   | 0.04  | SAI |     | OD    | >2V DOS and SAI-OD @ 1H       |
| 21 | 11  | 37  | TSH  | -1.81 | SAI |     | ID    |                               |
| 21 | 11  | 37  | TSH  | -7.22 | SAI |     | ID    |                               |
| 21 | 11  | 37  | TSH  | -6.32 | SAI |     | ID    |                               |
| 21 | 11  | 39  | TSH  | -1.37 | SAI |     | ID    |                               |
| 21 | 11  | 40  | TSH  | -0.88 | SAI |     | ID    |                               |
| 21 | 11  | 48  | TSH  | -4.88 | SAI |     | ID    |                               |
| 21 | 12  | 3   | 2C   | 0.02  | CLT | 8   |       |                               |
| 21 | 12  | 30  | 1H   | -0.05 | SAI |     | OD    |                               |
| 21 | 12  | 68  | 2H   | -0.02 | SAI |     | OD    |                               |
| 21 | 12  | 68  | 2H   | 0.17  | SAI |     | OD    |                               |
| 21 | 12  | 92  | 2C   | 0.02  | CLT | 9   |       |                               |
| 21 | 13  | 3   | 2C   | -0.04 | CLT | 0   |       |                               |
| 21 | 13  | 39  | 1H   | 0.06  | SAI |     | OD    |                               |
| 21 | 13  | 39  | 1H   | -0.19 | SAI |     | OD    |                               |
| 21 | 13  | 92  | 2C   | 0.04  | CLT | 0   |       |                               |
| 21 | 15  | 32  | TSH  | -0.42 | SAI |     | ID    | TSH Axial PWSCC Failed W*     |
| 21 | 18  | 43  | 1H   | 0.03  | SAI |     | OD    |                               |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch  | Ind      | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|-------|----------|-----|-------|-------------------------------|
| 21 | 19  | 48  | 7H   | 36.49 | AVB wear | 29  |       |                               |
| 21 | 19  | 57  | 7H   | 49.84 | AVB wear | 13  |       |                               |
| 21 | 19  | 70  | 7H   | 50.12 | AVB wear | 16  |       |                               |
| 21 | 20  | 48  | 7H   | 37.95 | AVB wear | 20  |       |                               |
| 21 | 20  | 61  | 7H   | 37.81 | AVB wear | 15  |       |                               |
| 21 | 21  | 70  | 7H   | 40.27 | AVB wear | 20  |       |                               |
| 21 | 21  | 70  | 7H   | 69.47 | AVB wear | 9   |       |                               |
| 21 | 22  | 8   | 1C   | 0.00  | CLT      | 23  |       |                               |
| 21 | 22  | 37  | 7H   | 25.51 | AVB wear | 22  |       |                               |
| 21 | 22  | 63  | 7H   | 25.59 | AVB wear | 20  |       |                               |
| 21 | 22  | 63  | 7H   | 40.98 | AVB wear | 23  |       |                               |
| 21 | 22  | 63  | 7H   | 57.83 | AVB wear | 17  |       |                               |
| 21 | 22  | 63  | 7H   | 73.26 | AVB wear | 25  |       |                               |
| 21 | 23  | 53  | 7H   | 26.82 | AVB wear | 25  |       |                               |
| 21 | 23  | 53  | 7H   | 42.78 | AVB wear | 27  |       |                               |
| 21 | 23  | 53  | 7H   | 60.55 | AVB wear | 18  |       |                               |
| 21 | 23  | 63  | 7H   | 27.38 | AVB wear | 12  |       |                               |
| 21 | 23  | 63  | 7H   | 42.58 | AVB wear | 22  |       |                               |
| 21 | 23  | 63  | 7H   | 60.61 | AVB wear | 37  |       |                               |
| 21 | 23  | 64  | 7H   | 42.71 | AVB wear | 16  |       |                               |
| 21 | 23  | 64  | 7H   | 60.57 | AVB wear | 28  |       |                               |
| 21 | 23  | 65  | 7H   | 42.69 | AVB wear | 24  |       |                               |
| 21 | 23  | 65  | 7H   | 60.63 | AVB wear | 36  |       |                               |
| 21 | 23  | 65  | 7H   | 77.02 | AVB wear | 14  |       |                               |
| 21 | 23  | 67  | 7H   | 28.06 | AVB wear | 17  |       |                               |
| 21 | 23  | 70  | TSH  | -1.36 | SAI      |     | ID    |                               |
| 21 | 23  | 71  | 7H   | 43.31 | AVB wear | 9   |       |                               |
| 21 | 23  | 71  | 7H   | 60.60 | AVB wear | 25  |       |                               |
| 21 | 23  | 72  | 7H   | 43.33 | AVB wear | 17  |       |                               |
| 21 | 23  | 72  | 7H   | 60.93 | AVB wear | 19  |       |                               |
| 21 | 23  | 72  | 7H   | 76.99 | AVB wear | 12  |       |                               |
| 21 | 23  | 74  | 7H   | 26.90 | AVB wear | 24  |       |                               |
| 21 | 24  | 39  | 7H   | 27.98 | AVB wear | 18  |       |                               |
| 21 | 24  | 61  | 7H   | 44.33 | AVB wear | 17  |       |                               |
| 21 | 24  | 61  | 7H   | 63.04 | AVB wear | 18  |       |                               |
| 21 | 24  | 62  | 7H   | 27.26 | AVB wear | 16  |       |                               |
| 21 | 24  | 62  | 7H   | 44.15 | AVB wear | 14  |       |                               |
| 21 | 24  | 62  | 7H   | 62.84 | AVB wear | 15  |       |                               |
| 21 | 24  | 63  | 7H   | 27.07 | AVB wear | 23  |       |                               |
| 21 | 24  | 63  | 7H   | 44.43 | AVB wear | 26  |       |                               |
| 21 | 24  | 63  | 7H   | 63.14 | AVB wear | 18  |       |                               |
| 21 | 24  | 68  | 7H   | 27.38 | AVB wear | 25  |       |                               |
| 21 | 25  | 9   | 3C   | -0.02 | CLT      | 37  |       |                               |
| 21 | 25  | 11  | 2C   | -0.16 | CLT      | 1   |       |                               |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch   | Ind      | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|--------|----------|-----|-------|-------------------------------|
| 21 | 25  | 32  | 7H   | 46.43  | AVB wear | 22  |       |                               |
| 21 | 25  | 32  | 7H   | 66.51  | AVB wear | 28  |       |                               |
| 21 | 26  | 10  | 2C   | -0.15  | CLT      | 39  |       |                               |
| 21 | 26  | 29  | 7H   | 87.06  | AVB wear | 18  |       |                               |
| 21 | 26  | 67  | 7H   | 28.63  | AVB wear | 28  |       |                               |
| 21 | 26  | 67  | 7H   | 47.60  | AVB wear | 18  |       |                               |
| 21 | 26  | 67  | 7H   | 68.13  | AVB wear | 26  |       |                               |
| 21 | 26  | 67  | 7H   | 87.41  | AVB wear | 24  |       |                               |
| 21 | 27  | 10  | 2C   | -0.15  | CLT      | 31  |       |                               |
| 21 | 27  | 11  | 2C   | -0.17  | CLT      | 0   |       |                               |
| 21 | 27  | 38  | 1H   | 0.04   | SAI      |     | OD    |                               |
| 21 | 27  | 42  | 7H   | 29.89  | AVB wear | 12  |       |                               |
| 21 | 27  | 42  | 7H   | 49.67  | AVB wear | 36  |       |                               |
| 21 | 27  | 42  | 7H   | 71.55  | AVB wear | 18  |       |                               |
| 21 | 27  | 42  | 7H   | 91.73  | AVB wear | 20  |       |                               |
| 21 | 27  | 48  | 1H   | 0.00   | SAI      |     | OD    |                               |
| 21 | 27  | 48  | 1H   | 0.03   | SAI      |     | OD    |                               |
| 21 | 27  | 64  | 7H   | 48.65  | AVB wear | 21  |       |                               |
| 21 | 27  | 64  | 7H   | 70.91  | AVB wear | 31  |       |                               |
| 21 | 27  | 64  | 7H   | 91.21  | AVB wear | 30  |       |                               |
| 21 | 27  | 65  | 7H   | 29.08  | AVB wear | 11  |       |                               |
| 21 | 27  | 65  | 7H   | 70.49  | AVB wear | 24  |       |                               |
| 21 | 27  | 65  | 7H   | 90.47  | AVB wear | 18  |       |                               |
| 21 | 27  | 66  | 7H   | 29.24  | AVB wear | 35  |       |                               |
| 21 | 27  | 66  | 7H   | 49.13  | AVB wear | 34  |       |                               |
| 21 | 27  | 66  | 7H   | 70.49  | AVB wear | 23  |       |                               |
| 21 | 28  | 11  | 1C   | 0.15   | CLT      | 31  |       |                               |
| 21 | 28  | 14  | 2C   | -0.15  | CLT      | 35  |       |                               |
| 21 | 29  | 11  | 2C   | -0.16  | CLT      | 0   |       |                               |
| 21 | 29  | 31  | 7H   | 75.84  | AVB wear | 13  |       |                               |
| 21 | 29  | 36  | 7H   | 75.98  | AVB wear | 30  |       |                               |
| 21 | 30  | 52  | 2H   | -0.02  | SAI      |     | OD    |                               |
| 21 | 32  | 79  | 4C   | -0.09  | CLT      | 1   |       |                               |
| 21 | 33  | 59  | 7H   | 58.38  | AVB wear | 27  |       |                               |
| 21 | 34  | 47  | 7H   | 33.64  | AVB wear | 22  |       | >40%TW AVB Wear               |
| 21 | 34  | 47  | 7H   | 59.13  | AVB wear | 40  |       | >40%TW AVB Wear               |
| 21 | 34  | 47  | 7H   | 88.46  | AVB wear | 23  |       | >40%TW AVB Wear               |
| 21 | 34  | 47  | 7H   | 115.63 | AVB wear | 29  |       | >40%TW AVB Wear               |
| 21 | 34  | 48  | 7H   | 88.22  | AVB wear | 20  |       |                               |
| 21 | 34  | 48  | 7H   | 114.99 | AVB wear | 36  |       |                               |
| 21 | 34  | 53  | 7H   | 115.08 | AVB wear | 15  |       |                               |
| 21 | 35  | 38  | 7H   | 59.35  | AVB wear | 30  |       |                               |
| 21 | 35  | 77  | 4C   | 0.09   | CLT      | 39  |       |                               |
| 21 | 36  | 19  | 1C   | 0.44   | CLT      | 20  |       |                               |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch  | Ind      | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|-------|----------|-----|-------|-------------------------------|
| 21 | 36  | 20  | 2C   | 0.07  | CLT      | 0   |       |                               |
| 21 | 36  | 35  | 7H   | 62.61 | AVB wear | 36  |       |                               |
| 21 | 36  | 53  | 7H   | 34.34 | AVB wear | 22  |       |                               |
| 21 | 36  | 53  | 7H   | 62.40 | AVB wear | 25  |       |                               |
| 21 | 36  | 54  | 7H   | 34.39 | AVB wear | 18  |       |                               |
| 21 | 36  | 54  | 7H   | 62.60 | AVB wear | 34  |       |                               |
| 21 | 37  | 19  | 2C   | -0.06 | CLT      | 34  |       |                               |
| 21 | 37  | 21  | 1C   | 0.18  | CLT      | 35  |       |                               |
| 21 | 38  | 46  | 2H   | 0.00  | SAI      |     | OD    |                               |
| 21 | 39  | 58  | 3H   | 0.07  | SAI      |     | OD    | SAI-OD @ 3H Wedge             |
| 21 | 40  | 37  | 2H   | 0.02  | SAI      |     | OD    |                               |
| 21 | 42  | 32  | 1C   | 0.00  | CLT      | 0   |       |                               |
| 21 | 44  | 36  | 3C   | -0.30 | CLT      | 3   |       |                               |
| 22 | 1   | 51  | 7H   | 3.83  | SAI      |     |       | SAI-ID in U-bend              |
| 22 | 2   | 23  | 1H   | 0.02  | SAI      | 27  | ID    |                               |
| 22 | 2   | 26  | 1H   | -0.62 | SAI      | 61  | ID    | SAI-ID >40%TW @ 1H            |
| 22 | 2   | 36  | 1H   | -0.11 | SCI      |     | OD    | SCI-OD @ 1H                   |
| 22 | 2   | 93  | 2C   | -0.11 | CLT      | 24  |       |                               |
| 22 | 2   | 94  | 2C   | -0.04 | CLT      | 25  |       |                               |
| 22 | 3   | 34  | 1H   | -0.49 | SAI      | 44  | ID    | SAI-ID >40%TW @ 1H            |
| 22 | 4   | 2   | 1C   | -0.09 | CLT      | 29  |       |                               |
| 22 | 4   | 2   | 2C   | 0.02  | CLT      | 6   |       |                               |
| 22 | 4   | 28  | 1H   | 0.22  | SAI      | 32  | ID    |                               |
| 22 | 4   | 34  | 4H   | 0.17  | SAI      | 20  | ID    |                               |
| 22 | 4   | 83  | 2C   | -0.15 | CLT      | 6   |       |                               |
| 22 | 4   | 93  | 2C   | -0.15 | CLT      | 6   |       |                               |
| 22 | 5   | 1   | 1C   | -0.13 | CLT      | 24  |       |                               |
| 22 | 5   | 3   | 1H   | -0.04 | SAI      | 32  | ID    |                               |
| 22 | 5   | 18  | TSH  | -0.93 | SAI      |     | ID    |                               |
| 22 | 5   | 26  | 1H   | -0.20 | SAI      | 39  | ID    |                               |
| 22 | 5   | 33  | 1H   | -0.30 | SAI      | 37  | ID    |                               |
| 22 | 5   | 41  | 2H   | -0.04 | SAI      |     | OD    |                               |
| 22 | 6   | 24  | 1H   | -0.37 | SAI      | 20  | ID    |                               |
| 22 | 6   | 29  | 1H   | -0.16 | SCI      |     | OD    | SCI-OD @ 1H                   |
| 22 | 6   | 30  | 1H   | 0.17  | SCI      |     | ID    | SCI-ID @ 1H                   |
| 22 | 6   | 31  | 1H   | -0.08 | SAI      | 20  | ID    |                               |
| 22 | 6   | 36  | 1H   | -0.15 | SAI      | 39  | ID    |                               |
| 22 | 6   | 93  | 1C   | 0.04  | CLT      | 47  |       | >40%TW CLT @ 1C               |
| 22 | 6   | 93  | 2C   | -0.08 | CLT      | 35  |       | >40%TW CLT @ 1C               |
| 22 | 6   | 93  | 4C   | 0.06  | CLT      | 6   |       | >40%TW CLT @ 1C               |
| 22 | 7   | 27  | 1H   | 0.21  | SAI      | 26  | ID    |                               |
| 22 | 7   | 32  | 1H   | -0.29 | SAI      | 29  | ID    |                               |
| 22 | 7   | 73  | 2H   | 0.00  | SAI      |     | OD    |                               |
| 22 | 7   | 82  | 1H   | -0.07 | SAI      |     | OD    |                               |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch  | Ind | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|-------|-----|-----|-------|-------------------------------|
| 22 | 7   | 93  | 2C   | -0.09 | CLT | 36  |       |                               |
| 22 | 8   | 3   | 2C   | -0.15 | CLT | 0   |       |                               |
| 22 | 8   | 26  | 1H   | 0.07  | SAI | 62  | ID    | SAI-ID $\geq$ 40%TW @ 1H      |
| 22 | 8   | 36  | 1H   | -0.21 | SAI | 37  | ID    |                               |
| 22 | 8   | 43  | 4H   | -0.02 | SAI | 37  | ID    |                               |
| 22 | 8   | 93  | 2C   | -0.06 | CLT | 1   |       |                               |
| 22 | 9   | 9   | 1H   | 0.02  | SAI |     | OD    |                               |
| 22 | 9   | 32  | 1H   | -0.12 | SAI | 29  | ID    |                               |
| 22 | 10  | 2   | 3C   | 0.00  | CLT | 18  |       |                               |
| 22 | 10  | 48  | TSH  | -2.90 | SAI |     | ID    |                               |
| 22 | 10  | 56  | TSH  | -1.05 | SAI |     | ID    |                               |
| 22 | 10  | 93  | 2C   | -0.04 | CLT | 37  |       |                               |
| 22 | 11  | 19  | 1H   | -0.52 | SAI | 42  | ID    | SCI-ID and SAI-ID @ 1H        |
| 22 | 11  | 19  | 1H   | 0.26  | SCI |     | ID    | SCI-ID and SAI-ID @ 1H        |
| 22 | 11  | 70  | 1H   | 0.03  | SAI |     | OD    |                               |
| 22 | 11  | 92  | 2C   | -0.08 | CLT | 41  |       | $\geq$ 40%TW CLT @ 2C         |
| 22 | 12  | 3   | 1C   | -0.09 | CLT | 2   |       |                               |
| 22 | 12  | 39  | 1H   | -0.12 | SAI | 29  | ID    |                               |
| 22 | 12  | 71  | 1H   | -0.20 | SAI |     | OD    |                               |
| 22 | 13  | 3   | 1C   | -0.06 | CLT | 21  |       |                               |
| 22 | 13  | 3   | 2C   | -0.06 | CLT | 24  |       |                               |
| 22 | 13  | 23  | 1H   | 0.27  | SCI |     | ID    | SCI-ID @ 1H                   |
| 22 | 13  | 25  | 3H   | -0.07 | SAI | 34  | ID    |                               |
| 22 | 13  | 41  | 1H   | -0.07 | SAI | 32  | ID    |                               |
| 22 | 13  | 43  | TSH  | -1.34 | SAI |     | ID    |                               |
| 22 | 14  | 15  | 2H   | -0.27 | SAI | 43  | ID    | SAI-ID $\geq$ 40%TW @ 2H      |
| 22 | 14  | 45  | 1H   | 0.01  | SAI | 20  | ID    |                               |
| 22 | 15  | 22  | 1H   | 0.03  | SAI | 31  | ID    |                               |
| 22 | 15  | 42  | 1H   | 0.07  | SAI | 23  | ID    |                               |
| 22 | 15  | 51  | 1H   | -0.12 | SAI | 20  | ID    |                               |
| 22 | 15  | 73  | 1H   | 0.12  | SAI |     | OD    |                               |
| 22 | 16  | 30  | 2H   | -0.18 | SAI |     | OD    |                               |
| 22 | 16  | 39  | 4H   | -0.09 | SAI | 40  | ID    | SAI-ID $\geq$ 40%TW @ 4H      |
| 22 | 16  | 39  | 4H   | -0.01 | SAI | 37  | ID    | SAI-ID $\geq$ 40%TW @ 4H      |
| 22 | 16  | 49  | 1H   | -0.17 | SAI | 34  | ID    |                               |
| 22 | 16  | 50  | 1H   | -0.04 | SAI |     | OD    |                               |
| 22 | 17  | 12  | 1H   | 0.27  | SAI | 30  | ID    |                               |
| 22 | 17  | 88  | 1H   | 0.15  | SAI |     | OD    |                               |
| 22 | 18  | 21  | 1H   | -0.12 | SAI |     | OD    |                               |
| 22 | 18  | 51  | 1H   | -0.11 | SAI | 29  | ID    | SAI-ID $\geq$ 40%TW @ 1H      |
| 22 | 18  | 51  | 1H   | -0.22 | SAI | 55  | ID    | SAI-ID $\geq$ 40%TW @ 1H      |
| 22 | 18  | 82  | 1H   | 0.00  | SAI |     | OD    |                               |
| 22 | 19  | 7   | 1H   | -0.13 | SCI |     | ID    | SCI-ID @ 1H                   |
| 22 | 19  | 9   | 1H   | 0.28  | SCI |     | ID    | SCI-ID @ 1H                   |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch  | Ind      | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|-------|----------|-----|-------|-------------------------------|
| 22 | 19  | 15  | 1H   | 0.10  | SAI      | 20  | ID    |                               |
| 22 | 19  | 17  | 1H   | -0.46 | SAI      | 25  | ID    |                               |
| 22 | 19  | 52  | 7H   | 37.16 | AVB wear | 15  |       |                               |
| 22 | 19  | 61  | 1H   | -0.02 | SAI      |     | OD    |                               |
| 22 | 19  | 63  | 7H   | 36.09 | AVB wear | 23  |       |                               |
| 22 | 19  | 63  | 7H   | 50.20 | AVB wear | 30  |       |                               |
| 22 | 19  | 65  | 7H   | 37.52 | AVB wear | 33  |       |                               |
| 22 | 19  | 65  | 7H   | 50.13 | AVB wear | 21  |       |                               |
| 22 | 19  | 65  | 7H   | 50.86 | AVB wear | 18  |       |                               |
| 22 | 19  | 65  | 7H   | 63.95 | AVB wear | 28  |       |                               |
| 22 | 19  | 65  | 7H   | 64.12 | AVB wear | 22  |       |                               |
| 22 | 19  | 75  | 1H   | 0.09  | SAI      |     | OD    |                               |
| 22 | 19  | 78  | 2H   | 0.01  | SAI      |     | OD    |                               |
| 22 | 19  | 81  | 2H   | -0.04 | SAI      |     | OD    |                               |
| 22 | 20  | 55  | 7H   | 38.36 | AVB wear | 18  |       |                               |
| 22 | 20  | 55  | 7H   | 66.66 | AVB wear | 19  |       |                               |
| 22 | 20  | 58  | 7H   | 52.74 | AVB wear | 17  |       |                               |
| 22 | 20  | 65  | 7H   | 37.49 | AVB wear | 27  |       |                               |
| 22 | 20  | 65  | 7H   | 38.04 | AVB wear | 36  |       |                               |
| 22 | 20  | 65  | 7H   | 52.43 | AVB wear | 35  |       |                               |
| 22 | 20  | 65  | 7H   | 67.69 | AVB wear | 28  |       |                               |
| 22 | 21  | 23  | 2H   | 0.00  | SAI      | 43  | ID    | SAI-ID >40%TW @ 2H            |
| 22 | 21  | 36  | 7H   | 40.30 | AVB wear | 14  |       |                               |
| 22 | 21  | 40  | 1H   | -0.19 | SAI      | 26  | ID    |                               |
| 22 | 21  | 41  | 1H   | 0.34  | SAI      | 29  | ID    |                               |
| 22 | 21  | 47  | 7H   | 40.02 | AVB wear | 25  |       |                               |
| 22 | 21  | 85  | 2H   | 0.08  | SAI      |     | OD    |                               |
| 22 | 22  | 31  | 7H   | 40.45 | AVB wear | 31  |       |                               |
| 22 | 22  | 44  | 4H   | -0.34 | SAI      | 36  | ID    |                               |
| 22 | 22  | 45  | 1H   | -0.02 | SAI      | 46  | ID    | SAI-ID >40%TW @ 1H            |
| 22 | 22  | 63  | 7H   | 25.40 | AVB wear | 25  |       |                               |
| 22 | 22  | 63  | 7H   | 40.67 | AVB wear | 27  |       |                               |
| 22 | 22  | 63  | 7H   | 57.27 | AVB wear | 33  |       |                               |
| 22 | 22  | 63  | 7H   | 74.45 | AVB wear | 10  |       |                               |
| 22 | 22  | 67  | 7H   | 41.24 | AVB wear | 23  |       |                               |
| 22 | 22  | 67  | 7H   | 58.44 | AVB wear | 35  |       |                               |
| 22 | 22  | 69  | 7H   | 24.38 | AVB wear | 21  |       |                               |
| 22 | 22  | 69  | 7H   | 40.89 | AVB wear | 16  |       |                               |
| 22 | 22  | 69  | 7H   | 57.80 | AVB wear | 22  |       |                               |
| 22 | 22  | 87  | 1C   | -0.21 | CLT      | 4   |       |                               |
| 22 | 23  | 31  | 7H   | 28.10 | AVB wear | 23  |       |                               |
| 22 | 23  | 31  | 7H   | 42.37 | AVB wear | 24  |       |                               |
| 22 | 23  | 31  | 7H   | 60.06 | AVB wear | 21  |       |                               |
| 22 | 23  | 31  | 7H   | 79.97 | AVB wear | 19  |       |                               |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch  | Ind      | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|-------|----------|-----|-------|-------------------------------|
| 22 | 23  | 32  | 7H   | 42.17 | AVB wear | 25  |       |                               |
| 22 | 23  | 32  | 7H   | 78.13 | AVB wear | 13  |       |                               |
| 22 | 23  | 38  | 7H   | 60.55 | AVB wear | 25  |       |                               |
| 22 | 23  | 40  | 7H   | 42.92 | AVB wear | 14  |       |                               |
| 22 | 23  | 40  | 7H   | 60.17 | AVB wear | 14  |       |                               |
| 22 | 23  | 40  | 7H   | 78.14 | AVB wear | 18  |       |                               |
| 22 | 23  | 41  | 7H   | 26.85 | AVB wear | 19  |       |                               |
| 22 | 23  | 41  | 7H   | 42.94 | AVB wear | 25  |       |                               |
| 22 | 23  | 41  | 7H   | 43.44 | AVB wear | 30  |       |                               |
| 22 | 23  | 41  | 7H   | 60.63 | AVB wear | 32  |       |                               |
| 22 | 23  | 44  | 7H   | 27.50 | AVB wear | 28  |       |                               |
| 22 | 23  | 44  | 7H   | 60.67 | AVB wear | 35  |       |                               |
| 22 | 23  | 49  | 7H   | 27.72 | AVB wear | 28  |       |                               |
| 22 | 23  | 49  | 7H   | 43.87 | AVB wear | 36  |       |                               |
| 22 | 23  | 49  | 7H   | 60.76 | AVB wear | 29  |       |                               |
| 22 | 23  | 53  | 7H   | 27.05 | AVB wear | 19  |       |                               |
| 22 | 23  | 53  | 7H   | 43.17 | AVB wear | 36  |       |                               |
| 22 | 23  | 53  | 7H   | 60.48 | AVB wear | 39  |       |                               |
| 22 | 23  | 77  | 2H   | 0.00  | SAI      |     | OD    |                               |
| 22 | 24  | 39  | 1H   | 0.10  | SAI      | 40  | ID    | SAI-ID $\geq$ 40%TW @ 1H      |
| 22 | 24  | 87  | 2C   | -0.17 | CLT      | 31  |       |                               |
| 22 | 25  | 13  | 1H   | 0.04  | SAI      |     | OD    |                               |
| 22 | 25  | 21  | 1H   | -0.02 | SAI      |     | OD    |                               |
| 22 | 25  | 44  | 1H   | 0.10  | SAI      |     | OD    |                               |
| 22 | 25  | 44  | 1H   | 0.09  | SAI      |     | OD    |                               |
| 22 | 25  | 44  | 5H   | 0.00  | SAI      | 20  | ID    |                               |
| 22 | 25  | 70  | 7H   | 65.49 | AVB wear | 12  |       |                               |
| 22 | 26  | 64  | 7H   | 46.82 | AVB wear | 33  |       |                               |
| 22 | 26  | 64  | 7H   | 67.50 | AVB wear | 31  |       |                               |
| 22 | 26  | 65  | 7H   | 26.79 | AVB wear | 17  |       |                               |
| 22 | 26  | 65  | 7H   | 47.08 | AVB wear | 24  |       |                               |
| 22 | 26  | 65  | 7H   | 67.63 | AVB wear | 33  |       |                               |
| 22 | 26  | 65  | 7H   | 89.03 | AVB wear | 18  |       |                               |
| 22 | 27  | 23  | 1H   | -0.28 | SAI      | 46  | ID    | SAI-ID $\geq$ 40%TW @ 1H      |
| 22 | 27  | 32  | 7H   | 29.01 | AVB wear | 27  |       | $\geq$ 40% TW AVB Wear        |
| 22 | 27  | 32  | 7H   | 47.78 | AVB wear | 37  |       | $\geq$ 40% TW AVB Wear        |
| 22 | 27  | 32  | 7H   | 48.81 | AVB wear | 16  |       | $\geq$ 40% TW AVB Wear        |
| 22 | 27  | 32  | 7H   | 70.09 | AVB wear | 40  |       | $\geq$ 40% TW AVB Wear        |
| 22 | 27  | 44  | 7H   | 29.41 | AVB wear | 21  |       |                               |
| 22 | 27  | 44  | 7H   | 48.82 | AVB wear | 16  |       |                               |
| 22 | 27  | 44  | 7H   | 70.84 | AVB wear | 33  |       |                               |
| 22 | 27  | 49  | 7H   | 49.11 | AVB wear | 15  |       |                               |
| 22 | 27  | 49  | 7H   | 70.42 | AVB wear | 25  |       |                               |
| 22 | 27  | 49  | 7H   | 91.95 | AVB wear | 12  |       |                               |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch   | Ind      | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|--------|----------|-----|-------|-------------------------------|
| 22 | 27  | 55  | 7H   | 48.93  | AVB wear | 32  |       |                               |
| 22 | 27  | 57  | 7H   | 27.91  | AVB wear | 14  |       |                               |
| 22 | 27  | 58  | 7H   | 70.36  | AVB wear | 24  |       |                               |
| 22 | 27  | 58  | 7H   | 92.91  | AVB wear | 10  |       |                               |
| 22 | 27  | 59  | 1H   | -0.53  | SAI      | 46  | ID    | SAI-ID ≥40%TW @ 1H            |
| 22 | 28  | 15  | TSH  | -10.57 | SAI      |     | ID    |                               |
| 22 | 28  | 15  | TSH  | -19.34 | SAI      |     | ID    |                               |
| 22 | 28  | 15  | TSH  | -18.81 | SAI      |     | ID    |                               |
| 22 | 28  | 15  | TSH  | -2.39  | SAI      |     | ID    |                               |
| 22 | 28  | 15  | TSH  | -1.92  | SAI      |     | ID    |                               |
| 22 | 28  | 32  | 7H   | 30.74  | AVB wear | 20  |       |                               |
| 22 | 28  | 32  | 7H   | 49.69  | AVB wear | 31  |       |                               |
| 22 | 28  | 32  | 7H   | 50.39  | AVB wear | 36  |       |                               |
| 22 | 28  | 32  | 7H   | 72.95  | AVB wear | 37  |       |                               |
| 22 | 28  | 38  | 1H   | 0.00   | SAI      | 34  | ID    |                               |
| 22 | 28  | 40  | 7H   | 50.70  | AVB wear | 34  |       |                               |
| 22 | 28  | 40  | 7H   | 72.79  | AVB wear | 21  |       |                               |
| 22 | 28  | 40  | 7H   | 73.02  | AVB wear | 23  |       |                               |
| 22 | 28  | 40  | 7H   | 95.35  | AVB wear | 18  |       |                               |
| 22 | 28  | 40  | 7H   | 95.69  | AVB wear | 17  |       |                               |
| 22 | 28  | 53  | 2H   | 0.02   | SAI      |     | OD    |                               |
| 22 | 28  | 64  | 7H   | 50.27  | AVB wear | 11  |       |                               |
| 22 | 28  | 64  | 7H   | 72.58  | AVB wear | 24  |       |                               |
| 22 | 28  | 66  | 7H   | 72.63  | AVB wear | 18  |       |                               |
| 22 | 28  | 72  | 7H   | 93.96  | AVB wear | 28  |       |                               |
| 22 | 29  | 36  | 7H   | 75.40  | AVB wear | 16  |       |                               |
| 22 | 29  | 41  | 7H   | 30.71  | AVB wear | 10  |       |                               |
| 22 | 29  | 41  | 7H   | 52.02  | AVB wear | 21  |       |                               |
| 22 | 29  | 41  | 7H   | 98.94  | AVB wear | 12  |       |                               |
| 22 | 29  | 42  | 7H   | 30.64  | AVB wear | 14  |       |                               |
| 22 | 29  | 42  | 7H   | 51.71  | AVB wear | 15  |       |                               |
| 22 | 29  | 45  | 7H   | 30.88  | AVB wear | 17  |       |                               |
| 22 | 29  | 45  | 7H   | 51.78  | AVB wear | 33  |       |                               |
| 22 | 29  | 45  | 7H   | 75.84  | AVB wear | 30  |       |                               |
| 22 | 29  | 45  | 7H   | 99.25  | AVB wear | 17  |       |                               |
| 22 | 29  | 51  | 7H   | 29.61  | AVB wear | 11  |       |                               |
| 22 | 29  | 51  | 7H   | 51.90  | AVB wear | 18  |       |                               |
| 22 | 29  | 51  | 7H   | 75.77  | AVB wear | 15  |       |                               |
| 22 | 29  | 54  | 7H   | 52.15  | AVB wear | 25  |       |                               |
| 22 | 29  | 54  | 7H   | 75.94  | AVB wear | 26  |       |                               |
| 22 | 29  | 83  | 2C   | -0.04  | CLT      | 23  |       |                               |
| 22 | 30  | 14  | 2C   | -0.13  | CLT      | 14  |       |                               |
| 22 | 30  | 82  | 2C   | -0.15  | CLT      | 6   |       |                               |
| 22 | 31  | 14  | 2C   | -0.19  | CLT      | 16  |       |                               |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch   | Ind      | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|--------|----------|-----|-------|-------------------------------|
| 22 | 31  | 25  | TSH  | -2.16  | SAI      |     | ID    |                               |
| 22 | 31  | 29  | 2H   | 0.03   | SAI      |     | OD    |                               |
| 22 | 31  | 80  | 2C   | -0.09  | CLT      | 35  |       |                               |
| 22 | 31  | 80  | 3C   | -0.17  | CLT      | 9   |       |                               |
| 22 | 32  | 16  | 2C   | -0.21  | CLT      | 1   |       |                               |
| 22 | 32  | 56  | 7H   | 56.35  | AVB wear | 20  |       |                               |
| 22 | 32  | 56  | 7H   | 83.19  | AVB wear | 24  |       |                               |
| 22 | 32  | 56  | 7H   | 109.97 | AVB wear | 13  |       |                               |
| 22 | 32  | 79  | 3C   | -0.02  | CLT      | 13  |       |                               |
| 22 | 32  | 79  | 7H   | 107.19 | AVB wear | 16  |       |                               |
| 22 | 33  | 17  | 2C   | -0.13  | CLT      | 24  |       |                               |
| 22 | 33  | 50  | 2H   | -0.06  | SAI      |     | OD    |                               |
| 22 | 33  | 52  | 7H   | 32.76  | AVB wear | 15  |       |                               |
| 22 | 33  | 52  | 7H   | 33.03  | AVB wear | 16  |       |                               |
| 22 | 33  | 52  | 7H   | 59.11  | AVB wear | 33  |       |                               |
| 22 | 33  | 52  | 7H   | 86.08  | AVB wear | 29  |       |                               |
| 22 | 33  | 52  | 7H   | 86.99  | AVB wear | 22  |       |                               |
| 22 | 33  | 53  | 7H   | 58.09  | AVB wear | 14  |       |                               |
| 22 | 33  | 53  | 7H   | 113.31 | AVB wear | 13  |       |                               |
| 22 | 33  | 65  | 7H   | 57.95  | AVB wear | 18  |       |                               |
| 22 | 34  | 66  | 7H   | 59.94  | AVB wear | 14  |       |                               |
| 22 | 34  | 66  | 7H   | 116.03 | AVB wear | 11  |       |                               |
| 22 | 34  | 71  | 7H   | 87.25  | AVB wear | 14  |       |                               |
| 22 | 34  | 74  | 7H   | 60.16  | AVB wear | 12  |       |                               |
| 22 | 34  | 77  | 2C   | -0.11  | CLT      | 2   |       |                               |
| 22 | 34  | 79  | 2C   | -0.17  | CLT      | 23  |       |                               |
| 22 | 35  | 78  | 3C   | 0.07   | CLT      | 36  |       |                               |
| 22 | 36  | 40  | 7H   | 34.70  | AVB wear | 20  |       |                               |
| 22 | 36  | 42  | 7H   | 33.77  | AVB wear | 29  |       |                               |
| 22 | 36  | 42  | 7H   | 62.08  | AVB wear | 26  |       |                               |
| 22 | 36  | 56  | 2H   | -0.17  | SAI      |     | OD    |                               |
| 22 | 37  | 49  | 7H   | 96.03  | AVB wear | 22  |       |                               |
| 22 | 37  | 50  | 7H   | 95.46  | AVB wear | 24  |       |                               |
| 22 | 37  | 56  | 7H   | 64.16  | AVB wear | 31  |       |                               |
| 22 | 39  | 23  | 2C   | -0.21  | CLT      | 20  |       |                               |
| 22 | 39  | 27  | 7H   | 100.94 | AVB wear | 24  |       |                               |
| 22 | 39  | 35  | 2H   | 0.04   | SAI      |     | OD    | SAI-OD @ 2H Wedge             |
| 22 | 39  | 69  | 2C   | 0.13   | CLT      | 19  |       |                               |
| 22 | 39  | 71  | 1C   | -0.13  | CLT      | 5   |       |                               |
| 22 | 40  | 27  | 2C   | -0.20  | CLT      | 26  |       |                               |
| 22 | 40  | 31  | 2C   | -0.21  | CLT      | 10  |       |                               |
| 22 | 40  | 57  | 7H   | 35.25  | AVB wear | 15  |       |                               |
| 22 | 40  | 57  | 7H   | 68.70  | AVB wear | 19  |       |                               |
| 22 | 40  | 68  | 1C   | -0.26  | CLT      | 31  |       |                               |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch  | Ind      | %TW | ID/OD | Reason for 2R10 Tube Plugging   |
|----|-----|-----|------|-------|----------|-----|-------|---------------------------------|
| 22 | 40  | 71  | 1C   | -0.24 | CLT      | 35  |       |                                 |
| 22 | 41  | 26  | 2C   | -0.13 | CLT      | 11  |       |                                 |
| 22 | 41  | 39  | 7H   | 36.98 | AVB wear | 11  |       |                                 |
| 22 | 42  | 28  | 2C   | -0.26 | CLT      | 42  |       | >40%TW CLT @ 2C                 |
| 22 | 42  | 31  | 2C   | -0.24 | CLT      | 12  |       |                                 |
| 22 | 42  | 33  | 2C   | -0.17 | CLT      | 33  |       |                                 |
| 22 | 42  | 35  | 2C   | -0.15 | CLT      | 27  |       |                                 |
| 22 | 42  | 60  | 2C   | -0.11 | CLT      | 26  |       |                                 |
| 22 | 42  | 63  | 3C   | -0.09 | CLT      | 62  |       | >40%TW CLT @ 3C                 |
| 22 | 42  | 63  | 4C   | -0.23 | CLT      | 24  |       | >40%TW CLT @ 3C                 |
| 22 | 43  | 31  | 2C   | -0.26 | CLT      | 27  |       |                                 |
| 22 | 43  | 32  | 2C   | -0.24 | CLT      | 27  |       |                                 |
| 22 | 43  | 33  | 2C   | -0.24 | CLT      | 33  |       |                                 |
| 22 | 44  | 44  | 1H   | -0.01 | SAI      |     | OD    |                                 |
| 22 | 44  | 58  | 2C   | -0.15 | CLT      | 21  |       |                                 |
| 22 | 45  | 37  | 2C   | -0.13 | CLT      | 11  |       |                                 |
| 22 | 45  | 45  | 2C   | -0.26 | CLT      | 17  |       |                                 |
| 22 | 45  | 53  | 2C   | -0.13 | CLT      | 29  |       |                                 |
| 23 | 2   | 2   | 2C   | -0.02 | CLT      | 3   |       |                                 |
| 23 | 2   | 75  |      |       |          |     |       | Preventive, U-bend data quality |
| 23 | 2   | 91  | TSH  | -0.69 | SAI      |     | ID    |                                 |
| 23 | 3   | 55  | 1H   | 0.02  | SAI      |     | OD    |                                 |
| 23 | 3   | 69  | TSH  | -0.95 | SAI      |     | ID    |                                 |
| 23 | 3   | 94  | 2C   | 0.07  | CLT      | 6   |       |                                 |
| 23 | 5   | 5   | 3H   | -0.08 | SAI      |     | OD    | >2V DOS and SAI-OD @ 3H         |
| 23 | 5   | 51  | TSH  | -2.00 | SAI      |     | ID    |                                 |
| 23 | 5   | 55  | TSH  | -2.00 | SAI      |     | ID    |                                 |
| 23 | 6   | 54  | 1H   | -0.03 | SAI      |     | OD    | >2V DOS and SAI-OD @ 1H         |
| 23 | 6   | 77  | TSH  | -1.68 | SAI      |     | ID    |                                 |
| 23 | 7   | 1   | 1C   | -0.07 | CLT      | 10  |       |                                 |
| 23 | 7   | 52  | TSH  | -1.22 | SAI      |     | ID    |                                 |
| 23 | 7   | 59  | TSH  | -1.35 | SAI      |     | ID    |                                 |
| 23 | 7   | 92  | TSH  | -0.76 | SAI      |     | ID    |                                 |
| 23 | 8   | 2   | 1C   | -0.04 | CLT      | 38  |       |                                 |
| 23 | 8   | 55  | 1H   | -0.03 | SAI      |     | OD    |                                 |
| 23 | 8   | 93  | TSH  | -0.71 | SAI      |     | ID    |                                 |
| 23 | 9   | 63  | TSH  | -1.11 | SAI      |     | ID    |                                 |
| 23 | 9   | 93  | 2C   | -0.11 | CLT      | 24  |       |                                 |
| 23 | 10  | 92  | 2C   | -0.13 | CLT      | 30  |       |                                 |
| 23 | 10  | 93  | 3C   | 0.06  | CLT      | 16  |       |                                 |
| 23 | 12  | 8   | 2H   | -0.04 | SAI      |     | OD    |                                 |
| 23 | 12  | 48  | TSH  | -2.14 | SAI      |     | ID    |                                 |
| 23 | 12  | 92  | 2C   | -0.04 | CLT      | 26  |       |                                 |
| 23 | 12  | 93  | 2C   | 0.02  | CLT      | 30  |       |                                 |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch  | Ind      | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|-------|----------|-----|-------|-------------------------------|
| 23 | 14  | 24  | TSH  | -1.86 | SAI      |     | ID    |                               |
| 23 | 14  | 91  | 1C   | 0.00  | CLT      | 31  |       |                               |
| 23 | 14  | 92  | 2C   | -0.04 | CLT      | 20  |       |                               |
| 23 | 16  | 24  | TSH  | -1.34 | SAI      |     | ID    |                               |
| 23 | 17  | 34  | 2H   | 0.01  | SAI      |     | OD    |                               |
| 23 | 17  | 43  | 2H   | 0.04  | SAI      |     | OD    |                               |
| 23 | 17  | 43  | 2H   | 0.01  | SAI      |     | OD    |                               |
| 23 | 17  | 72  | TSH  | -0.78 | SAI      |     | ID    |                               |
| 23 | 18  | 48  | 1H   | -0.03 | SAI      |     | OD    |                               |
| 23 | 18  | 50  | 1H   | -0.03 | SAI      |     | OD    |                               |
| 23 | 18  | 50  | 1H   | -0.10 | SAI      |     | OD    |                               |
| 23 | 18  | 50  | 1H   | -0.04 | SAI      |     | OD    |                               |
| 23 | 19  | 41  | 7H   | 37.40 | AVB wear | 24  |       |                               |
| 23 | 19  | 56  | 7H   | 50.75 | AVB wear | 19  |       |                               |
| 23 | 19  | 71  | TSH  | -1.94 | SAI      |     | ID    |                               |
| 23 | 20  | 32  | 1H   | 0.02  | SAI      |     | OD    |                               |
| 23 | 21  | 38  | TSH  | -1.35 | SAI      |     | ID    |                               |
| 23 | 21  | 78  | 3H   | -0.05 | SAI      | 25  | ID    |                               |
| 23 | 21  | 83  | TSH  | -0.93 | SAI      |     | ID    |                               |
| 23 | 22  | 30  | 7H   | 42.59 | AVB wear | 31  |       |                               |
| 23 | 22  | 78  | 1H   | -0.10 | SAI      | 66  | ID    | SAI-ID >40%TW @ 1H            |
| 23 | 23  | 9   | 1C   | -0.28 | CLT      | 1   |       |                               |
| 23 | 23  | 40  | 7H   | 27.15 | AVB wear | 25  |       |                               |
| 23 | 23  | 40  | 7H   | 43.25 | AVB wear | 18  |       |                               |
| 23 | 23  | 40  | 7H   | 60.59 | AVB wear | 22  |       |                               |
| 23 | 23  | 40  | 7H   | 77.37 | AVB wear | 16  |       |                               |
| 23 | 23  | 41  | 7H   | 44.08 | AVB wear | 17  |       |                               |
| 23 | 23  | 41  | 7H   | 60.50 | AVB wear | 18  |       |                               |
| 23 | 23  | 42  | 7H   | 31.40 | AVB wear | 19  |       |                               |
| 23 | 23  | 42  | 7H   | 44.26 | AVB wear | 25  |       |                               |
| 23 | 23  | 42  | 7H   | 60.52 | AVB wear | 32  |       |                               |
| 23 | 23  | 43  | 7H   | 43.73 | AVB wear | 15  |       |                               |
| 23 | 23  | 54  | 7H   | 44.37 | AVB wear | 20  |       |                               |
| 23 | 23  | 54  | 7H   | 59.91 | AVB wear | 15  |       |                               |
| 23 | 23  | 54  | 7H   | 76.03 | AVB wear | 12  |       |                               |
| 23 | 23  | 64  | 7H   | 60.94 | AVB wear | 21  |       |                               |
| 23 | 24  | 8   | 1C   | -0.04 | CLT      | 40  |       | CLT >40%TW @ 1C               |
| 23 | 24  | 16  | 1H   | 0.03  | SAI      |     | OD    |                               |
| 23 | 24  | 26  | 2H   | 0.02  | SAI      |     | OD    | >2V DOS and SAI-OD @ 2H       |
| 23 | 25  | 37  | TSH  | -1.43 | SAI      |     | ID    |                               |
| 23 | 27  | 59  | 1H   | 0.02  | SAI      |     | OD    | >2V DOS and SAI-OD @ 1H       |
| 23 | 28  | 12  | TSH  | -2.02 | SAI      |     | ID    |                               |
| 23 | 29  | 15  | 2C   | -0.17 | CLT      | 0   |       |                               |
| 23 | 29  | 61  | 7H   | 51.53 | AVB wear | 20  |       |                               |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch   | Ind      | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|--------|----------|-----|-------|-------------------------------|
| 23 | 32  | 55  | TSH  | -0.89  | SAI      |     | ID    |                               |
| 23 | 33  | 16  | 3C   | -0.04  | CLT      | 24  |       |                               |
| 23 | 33  | 36  | 7H   | 59.36  | AVB wear | 35  |       |                               |
| 23 | 33  | 36  | 7H   | 85.80  | AVB wear | 31  |       |                               |
| 23 | 33  | 42  | 7H   | 85.80  | AVB wear | 19  |       |                               |
| 23 | 33  | 67  | 7H   | 58.99  | AVB wear | 14  |       |                               |
| 23 | 33  | 67  | 7H   | 86.10  | AVB wear | 21  |       |                               |
| 23 | 34  | 51  | 7H   | 61.16  | AVB wear | 19  |       |                               |
| 23 | 34  | 51  | 7H   | 89.50  | AVB wear | 28  |       |                               |
| 23 | 34  | 54  | 7H   | 60.84  | AVB wear | 30  |       |                               |
| 23 | 34  | 54  | 7H   | 88.48  | AVB wear | 38  |       |                               |
| 23 | 34  | 58  | 7H   | 60.40  | AVB wear | 22  |       |                               |
| 23 | 34  | 58  | 7H   | 88.43  | AVB wear | 16  |       |                               |
| 23 | 36  | 19  | 1C   | -0.02  | CLT      | 23  |       |                               |
| 23 | 36  | 36  | 7H   | 63.94  | AVB wear | 24  |       |                               |
| 23 | 36  | 36  | 7H   | 93.58  | AVB wear | 21  |       |                               |
| 23 | 36  | 36  | 7H   | 123.12 | AVB wear | 22  |       |                               |
| 23 | 36  | 38  | 7H   | 93.30  | AVB wear | 17  |       |                               |
| 23 | 38  | 21  | 2C   | -0.17  | CLT      | 40  |       | CLT >40%TW @ 2C               |
| 23 | 39  | 45  | 1H   | 0.12   | SAI      |     | OD    |                               |
| 23 | 41  | 66  | 2C   | -0.04  | CLT      | 4   |       |                               |
| 23 | 42  | 31  | 1C   | -0.18  | CLT      | 19  |       |                               |
| 23 | 42  | 64  | 2C   | -0.10  | CLT      | 11  |       |                               |
| 23 | 42  | 65  | 2C   | -0.13  | CLT      | 0   |       |                               |
| 23 | 43  | 35  | 1C   | 0.13   | CLT      | 38  |       |                               |
| 23 | 43  | 65  | 2C   | -0.10  | CLT      | 38  |       |                               |
| 23 | 44  | 41  | 2C   | -0.17  | CLT      | 28  |       |                               |
| 23 | 44  | 42  | 3H   | -0.03  | SAI      |     | OD    |                               |
| 23 | 45  | 37  | TSH  | -1.66  | SAI      |     | ID    |                               |
| 23 | 45  | 38  | TSH  | -2.52  | SCI      |     | ID    | SCI-ID @ TSH                  |
| 23 | 45  | 46  | 2C   | -0.27  | CLT      | 28  |       |                               |
| 23 | 45  | 56  | 1H   | 0.27   | SAI      | 20  | ID    |                               |
| 23 | 45  | 56  | 2C   | -0.10  | CLT      | 1   |       |                               |
| 23 | 45  | 57  | 3C   | -0.11  | CLT      | 30  |       |                               |
| 23 | 45  | 59  | 3C   | -0.23  | CLT      | 17  |       |                               |
| 23 | 46  | 46  | 2C   | -0.22  | CLT      | 0   |       |                               |
| 23 | 46  | 48  | 2C   | -0.22  | CLT      | 27  |       |                               |
| 23 | 46  | 51  | 2C   | -0.21  | CLT      | 8   |       |                               |
| 24 | 2   | 10  | TSH  | -1.34  | SAI      |     | ID    |                               |
| 24 | 2   | 29  | TSH  | -2.26  | SAI      |     | ID    |                               |
| 24 | 2   | 29  | TSH  | -4.37  | SAI      |     | ID    |                               |
| 24 | 2   | 47  | 3H   | -0.02  | SAI      |     | OD    |                               |
| 24 | 2   | 47  | 3H   | -0.01  | SAI      |     | OD    |                               |
| 24 | 2   | 93  | 2C   | -0.16  | CLT      | 4   |       |                               |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch  | Ind      | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|-------|----------|-----|-------|-------------------------------|
| 24 | 3   | 5   | TSH  | -1.35 | SAI      |     | ID    |                               |
| 24 | 3   | 12  | TSH  | -2.21 | SAI      |     | ID    |                               |
| 24 | 3   | 12  | TSH  | -2.58 | SAI      |     | ID    |                               |
| 24 | 3   | 51  | 1H   | 0.01  | SAI      |     | OD    | >2V DOS and SAI-OD @ 1H       |
| 24 | 3   | 93  | 2C   | -0.09 | CLT      | 36  |       |                               |
| 24 | 4   | 2   | 1C   | 0.00  | CLT      | 40  |       | >40%TW CLT @ 1C               |
| 24 | 4   | 35  | TSH  | -1.81 | SAI      |     | ID    |                               |
| 24 | 4   | 45  | 1H   | -0.02 | SAI      |     | OD    | >2V DOS and SAI-OD @ 1H       |
| 24 | 5   | 36  | TSH  | -1.91 | SAI      |     | ID    |                               |
| 24 | 5   | 37  | TSH  | -3.78 | SAI      |     | ID    |                               |
| 24 | 5   | 37  | TSH  | -4.13 | SAI      |     | ID    |                               |
| 24 | 5   | 48  | 1H   | -0.12 | SAI      |     | OD    | >2V DOS and SAI-OD @ 1H       |
| 24 | 5   | 53  | TSH  | -1.79 | SAI      |     | ID    |                               |
| 24 | 5   | 93  | 1C   | -0.13 | CLT      | 13  |       |                               |
| 24 | 6   | 27  | 3H   | -0.14 | SAI      | 51  | ID    | SAI-ID >40%TW @ 3H            |
| 24 | 6   | 33  | TSH  | -2.58 | SAI      |     | ID    |                               |
| 24 | 7   | 4   | TSH  | -1.18 | SAI      |     | ID    |                               |
| 24 | 7   | 38  | TSH  | -4.27 | SAI      |     | ID    |                               |
| 24 | 7   | 38  | TSH  | -6.89 | SAI      |     | ID    |                               |
| 24 | 7   | 62  | 1H   | -0.04 | SAI      |     | OD    | >2V DOS and SAI-OD @ 1H       |
| 24 | 8   | 22  | 2H   | -0.08 | SAI      | 41  | ID    | SAI-ID >40%TW @ 2H            |
| 24 | 8   | 63  | 1H   | -0.07 | SAI      |     | OD    | >2V DOS and SAI-OD @ 1H       |
| 24 | 8   | 69  | 1H   | -0.04 | SAI      |     | OD    |                               |
| 24 | 10  | 11  | 1H   | 0.00  | SAI      |     | OD    |                               |
| 24 | 10  | 76  | 2H   | -0.17 | SAI      |     | OD    |                               |
| 24 | 10  | 92  | 2C   | 0.00  | CLT      | 2   |       |                               |
| 24 | 11  | 17  | 3H   | 0.00  | SAI      | 42  | ID    | SAI-ID >40%TW @ 3H            |
| 24 | 12  | 17  | 3H   | 0.19  | SAI      | 23  | ID    |                               |
| 24 | 13  | 4   | TSH  | -1.34 | SAI      |     | ID    |                               |
| 24 | 13  | 40  | TSH  | -1.55 | SAI      |     | ID    |                               |
| 24 | 13  | 63  | 1H   | -0.15 | SAI      |     | OD    | >2V DOS and SAI-OD @ 1H       |
| 24 | 13  | 66  | 2H   | -0.01 | SAI      |     | OD    |                               |
| 24 | 14  | 53  | 3H   | 0.05  | SAI      | 22  | ID    |                               |
| 24 | 15  | 10  | TSH  | -0.86 | SAI      |     | ID    |                               |
| 24 | 15  | 45  | 2H   | 0.01  | SAI      |     | OD    |                               |
| 24 | 16  | 10  | TSH  | -2.00 | SAI      |     | ID    |                               |
| 24 | 16  | 11  | 3H   | -0.08 | SAI      | 28  | ID    |                               |
| 24 | 16  | 42  | 1H   | -0.09 | SAI      |     | OD    |                               |
| 24 | 16  | 57  | 2H   | 0.04  | SAI      |     | OD    | >2V DOS and SAI-OD @ 1H       |
| 24 | 16  | 84  | 2H   | 0.07  | SAI      |     | OD    |                               |
| 24 | 19  | 29  | 7H   | 26.04 | AVB wear | 15  |       |                               |
| 24 | 19  | 29  | 7H   | 37.52 | AVB wear | 19  |       |                               |
| 24 | 19  | 29  | 7H   | 62.28 | AVB wear | 11  |       |                               |
| 24 | 19  | 73  | 7H   | 61.36 | AVB wear | 23  |       |                               |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch  | Ind      | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|-------|----------|-----|-------|-------------------------------|
| 24 | 19  | 84  | 1H   | 0.04  | SAI      |     | OD    |                               |
| 24 | 19  | 84  | 2H   | -0.10 | SAI      |     | OD    |                               |
| 24 | 19  | 84  | 2H   | -0.09 | SAI      |     | OD    |                               |
| 24 | 19  | 84  | 2H   | 0.02  | SAI      |     | OD    |                               |
| 24 | 19  | 88  | 1H   | -0.01 | SAI      |     | OD    |                               |
| 24 | 20  | 47  | TSH  | -1.43 | SAI      |     | ID    |                               |
| 24 | 20  | 83  | 1H   | 0.00  | SAI      |     | OD    |                               |
| 24 | 21  | 45  | 1H   | 0.06  | SAI      |     | OD    |                               |
| 24 | 22  | 7   | 2H   | -0.01 | SAI      |     | OD    |                               |
| 24 | 22  | 30  | 7H   | 41.40 | AVB wear | 23  |       |                               |
| 24 | 22  | 30  | 7H   | 42.06 | AVB wear | 23  |       |                               |
| 24 | 22  | 30  | 7H   | 58.77 | AVB wear | 30  |       |                               |
| 24 | 22  | 30  | 7H   | 73.93 | AVB wear | 16  |       |                               |
| 24 | 22  | 47  | 2H   | 0.02  | SAI      |     | OD    |                               |
| 24 | 22  | 47  | 2H   | 0.11  | SAI      |     | OD    |                               |
| 24 | 23  | 52  | 7H   | 76.10 | AVB wear | 15  |       |                               |
| 24 | 23  | 61  | 7H   | 43.17 | AVB wear | 21  |       |                               |
| 24 | 23  | 61  | 7H   | 60.69 | AVB wear | 14  |       |                               |
| 24 | 23  | 63  | 7H   | 61.01 | AVB wear | 29  |       |                               |
| 24 | 23  | 70  | 7H   | 43.06 | AVB wear | 11  |       |                               |
| 24 | 23  | 70  | 7H   | 75.13 | AVB wear | 14  |       |                               |
| 24 | 24  | 26  | TSH  | -1.75 | SAI      |     | ID    |                               |
| 24 | 24  | 29  | 7H   | 28.56 | AVB wear | 20  |       |                               |
| 24 | 24  | 29  | 7H   | 63.49 | AVB wear | 8   |       |                               |
| 24 | 24  | 29  | 7H   | 79.93 | AVB wear | 11  |       |                               |
| 24 | 24  | 65  | 7H   | 25.92 | AVB wear | 22  |       |                               |
| 24 | 24  | 65  | 7H   | 44.89 | AVB wear | 18  |       |                               |
| 24 | 24  | 65  | 7H   | 62.50 | AVB wear | 22  |       |                               |
| 24 | 24  | 73  | 2H   | 0.07  | SAI      |     | OD    |                               |
| 24 | 24  | 73  | 2H   | 0.05  | SAI      |     | OD    |                               |
| 24 | 24  | 84  | 1H   | -0.09 | SAI      |     | OD    | >2V DOS and SAI-OD @ 1H       |
| 24 | 24  | 87  | 1C   | -0.15 | CLT      | 2   |       |                               |
| 24 | 25  | 64  | TSH  | -1.14 | SAI      |     | ID    |                               |
| 24 | 25  | 67  | 7H   | 27.20 | AVB wear | 21  |       |                               |
| 24 | 25  | 67  | 7H   | 66.06 | AVB wear | 20  |       |                               |
| 24 | 25  | 82  | 1H   | -0.05 | SAI      |     | OD    |                               |
| 24 | 26  | 45  | TSH  | -3.36 | SAI      |     | ID    |                               |
| 24 | 27  | 69  | 2H   | 0.04  | SAI      |     | OD    | >2V DOS and SAI-OD @ 2H       |
| 24 | 29  | 35  | 1H   | -0.09 | SAI      |     | OD    | >2V DOS and SAI-OD @ 1H       |
| 24 | 29  | 40  | 7H   | 30.12 | AVB wear | 22  |       |                               |
| 24 | 29  | 40  | 7H   | 52.43 | AVB wear | 37  |       |                               |
| 24 | 29  | 40  | 7H   | 75.30 | AVB wear | 26  |       |                               |
| 24 | 29  | 40  | 7H   | 98.29 | AVB wear | 15  |       |                               |
| 24 | 30  | 36  | 3H   | -0.02 | SAI      |     | OD    |                               |

**Table 2**  
Location and Percent Through-Wall of Indications Identified During 2R10

| SG | Row | Col | Elev | Inch   | Ind      | %TW | ID/OD | Reason for 2R10 Tube Plugging |
|----|-----|-----|------|--------|----------|-----|-------|-------------------------------|
| 24 | 30  | 81  | 2C   | 0.04   | CLT      | 0   |       |                               |
| 24 | 30  | 83  | 2C   | -0.02  | CLT      | 0   |       |                               |
| 24 | 31  | 31  | 1H   | -0.08  | SAI      |     | OD    |                               |
| 24 | 31  | 31  | 2H   | -0.15  | SAI      |     | OD    |                               |
| 24 | 31  | 45  | 1H   | -0.08  | SAI      |     | OD    | >2V DOS and SAI-OD @ 1H       |
| 24 | 31  | 45  | TSH  | -1.78  | SAI      |     | ID    | >2V DOS and SAI-OD @ 1H       |
| 24 | 31  | 63  | 2H   | -0.02  | SAI      |     | OD    |                               |
| 24 | 31  | 65  | 7H   | 30.42  | AVB wear | 25  |       |                               |
| 24 | 31  | 79  | 1C   | 0.02   | CLT      | 0   |       |                               |
| 24 | 31  | 80  | 1C   | 0.00   | CLT      | 35  |       |                               |
| 24 | 31  | 82  | 1C   | 0.17   | CLT      | 0   |       |                               |
| 24 | 31  | 82  | 2C   | -0.02  | CLT      | 0   |       |                               |
| 24 | 32  | 16  | 1C   | -0.22  | CLT      | 30  |       |                               |
| 24 | 33  | 48  | 7H   | 32.30  | AVB wear | 23  |       |                               |
| 24 | 33  | 48  | 7H   | 111.43 | AVB wear | 17  |       |                               |
| 24 | 33  | 50  | 7H   | 57.52  | AVB wear | 10  |       |                               |
| 24 | 33  | 54  | 7H   | 31.76  | AVB wear | 18  |       |                               |
| 24 | 33  | 54  | 7H   | 111.14 | AVB wear | 13  |       |                               |
| 24 | 33  | 60  | 7H   | 58.22  | AVB wear | 36  |       |                               |
| 24 | 34  | 43  | 3H   | 0.00   | SAI      |     | OD    |                               |
| 24 | 34  | 43  | 3H   | -0.22  | SAI      |     | OD    |                               |
| 24 | 34  | 61  | 7H   | 32.78  | AVB wear | 16  |       |                               |
| 24 | 34  | 61  | 7H   | 88.37  | AVB wear | 25  |       |                               |
| 24 | 34  | 79  | 1C   | 0.04   | CLT      | 25  |       |                               |
| 24 | 35  | 28  | 1H   | -0.07  | SAI      |     | OD    |                               |
| 24 | 36  | 48  | 2H   | 0.12   | SAI      |     | OD    | >2V DOS and SAI-OD @ 2H       |
| 24 | 37  | 37  | 3H   | -0.12  | SAI      |     | OD    | SAI-OD @ Wedge @ 3H           |
| 24 | 38  | 35  | 3H   | -0.03  | SAI      |     | OD    | SAI-OD @ Wedge @ 3H           |
| 24 | 38  | 47  | 2H   | 0.06   | SAI      |     | OD    | >2V DOS and SAI-OD @ 2H       |
| 24 | 38  | 60  | 2H   | -0.02  | SAI      |     | OD    | >2V DOS and SAI-OD @ 2H       |
| 24 | 39  | 38  | 2H   | 0.00   | SAI      |     | OD    | SAI-OD @ Wedge @ 2H           |
| 24 | 39  | 51  | 7H   | 35.41  | AVB wear | 20  |       |                               |
| 24 | 39  | 51  | 7H   | 67.27  | AVB wear | 13  |       |                               |
| 24 | 39  | 62  | 7H   | 100.86 | AVB wear | 19  |       |                               |
| 24 | 40  | 30  | 1H   | -0.07  | SAI      |     | OD    |                               |
| 24 | 41  | 33  | 2H   | -0.08  | SAI      |     | OD    | SAI-OD @ Wedge @ 2H           |
| 24 | 42  | 41  | 2H   | 0.06   | SAI      |     | OD    |                               |
| 24 | 42  | 48  | 2H   | 0.05   | SAI      |     | OD    | >2V DOS and SAI-OD @ 2H       |
| 24 | 44  | 45  | 2H   | -0.13  | SAI      |     | OD    |                               |
| 24 | 44  | 45  | 2H   | 0.02   | SAI      |     | OD    |                               |