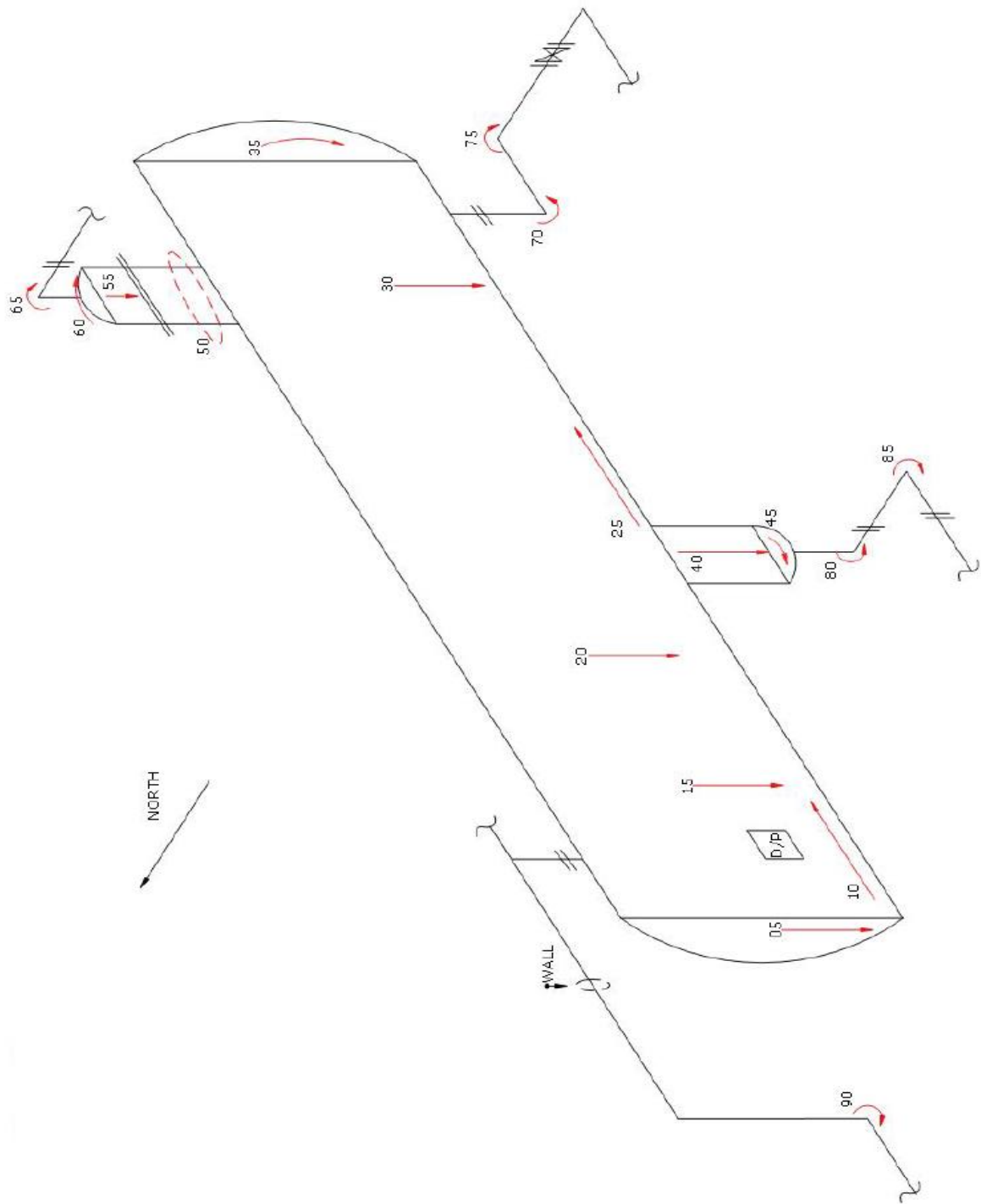




|                               |                 |                                |                   |
|-------------------------------|-----------------|--------------------------------|-------------------|
| <b>Location Name:</b>         | ANSELL          | <b>LSD:</b>                    | 07-21-051-19 W5M  |
| <b>Jur #:</b>                 | A0571608        | <b>Equipment/Tag No.</b>       | 66128609          |
| <b>Equipment Description:</b> | INLET SEPARATOR |                                |                   |
| <b>Manufacturer:</b>          | TOROMONT        |                                |                   |
| <b>Serial Number:</b>         | 12306200        | <b>CRN:</b>                    | U0192.213         |
| <b>Shell MAWP:</b>            | 2689            | <b>KPA Shell Design Temp:</b>  | 66 °C             |
| <b>Tube MAWP:</b>             |                 | <b>KPA Tube Design Temp:</b>   | °C                |
| <b>Shell Material:</b>        | SA-516-70N      | <b>Head Material:</b>          | SA-516-70N        |
| <b>Shell Thickness:</b>       | 15.88           | <b>mm Head Thickness:</b>      | 14.29 mm          |
| <b>Corrosion Allowance:</b>   | 1.5875          | <b>mm Date Built:</b>          | 2007              |
| <b>Size:</b>                  | 1117.6          | <b>mm Pipe / Rolled Plate:</b> | PLATE             |
| <b>RT:</b>                    | 2               | <b>Streamline Report #:</b>    | STL-190246-DMS 63 |

**NOTES:**









# Ultrasonic Corrosion Survey

\*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: JUNE 15/ 19

Streamline Report #: STL-190246-DMS 63

Inspector: JAEHUN LEE

|                              |                             |                                     |
|------------------------------|-----------------------------|-------------------------------------|
| <b>LSD:</b> 07-21-051-19 W5M | <b>Area:</b> ANSELL         | <b>Location:</b> ANSELL GAS PLANT   |
| <b>Jur #:</b> A0571608       | <b>Tag Number:</b> 66128609 | <b>Vessel Name:</b> INLET SEPARATOR |
| <b>CRN:</b> U0192.213        | <b>Year Built:</b> 2007     | <b>Serial Number:</b> 12306200      |
| <b>RT:</b> 2                 | <b>Vessel CA:</b> 1.588 mm  | <b>Manufacturer:</b> TOROMONT       |
|                              | <b>Shell MAWP:</b> 2689 KPA | <b>Tube MAWP:</b> KPA               |
|                              | <b>MAWT:</b> 66 °C          | <b>MAWT:</b> °C                     |
|                              |                             | <b>Pipe/Plate</b><br>PLATE          |

|                        |                            |                     |                         |
|------------------------|----------------------------|---------------------|-------------------------|
| <b>CML Description</b> | Baseline                   | <b>Flange ANSI:</b> | <b>Material:</b>        |
| <b>00</b>              | <b>2014 2019</b>           | <b>CA Nominal</b>   | <b>T Min</b>            |
| <b>Shape:</b>          | <b>Min</b>                 |                     | <b>STCR mm/yr</b>       |
| <b>OD:</b>             | <b>Avg</b>                 |                     | <b>LTCR mm/yr</b>       |
| <b>Spec:</b>           | <b>Comments:</b> NO CML 00 |                     | <b>Remaining Life:</b>  |
|                        |                            |                     | <b>Retirement Date:</b> |

|                              |                  |                     |                             |
|------------------------------|------------------|---------------------|-----------------------------|
| <b>CML Description</b>       | Baseline         | <b>Flange ANSI:</b> | <b>Material:</b> SA-516-70N |
| <b>05 HEAD</b>               | <b>2014 2019</b> | <b>CA Nominal</b>   | <b>T Min</b>                |
| <b>Shape:</b> Ellipsoidal    | <b>Min</b>       |                     | <b>STCR mm/yr</b>           |
| <b>OD:</b> 1117.6            | <b>Avg</b>       |                     | <b>LTCR mm/yr</b>           |
| <b>Spec:</b> ASME VIII Div.1 | <b>Comments:</b> |                     | <b>Remaining Life:</b>      |
|                              |                  |                     | <b>Retirement Date:</b>     |

|                              |                  |                     |                             |
|------------------------------|------------------|---------------------|-----------------------------|
| <b>CML Description</b>       | Baseline         | <b>Flange ANSI:</b> | <b>Material:</b> SA-516-70N |
| <b>10 SHELL</b>              | <b>2014 2019</b> | <b>CA Nominal</b>   | <b>T Min</b>                |
| <b>Shape:</b> Cylindrical    | <b>Min</b>       |                     | <b>STCR mm/yr</b>           |
| <b>OD:</b> 1117.6            | <b>Avg</b>       |                     | <b>LTCR mm/yr</b>           |
| <b>Spec:</b> ASME VIII Div.1 | <b>Comments:</b> |                     | <b>Remaining Life:</b>      |
|                              |                  |                     | <b>Retirement Date:</b>     |

|                              |                  |                     |                             |
|------------------------------|------------------|---------------------|-----------------------------|
| <b>CML Description</b>       | Baseline         | <b>Flange ANSI:</b> | <b>Material:</b> SA-516-70N |
| <b>15 SHELL</b>              | <b>2014 2019</b> | <b>CA Nominal</b>   | <b>T Min</b>                |
| <b>Shape:</b> Cylindrical    | <b>Min</b>       |                     | <b>STCR mm/yr</b>           |
| <b>OD:</b> 1117.6            | <b>Avg</b>       |                     | <b>LTCR mm/yr</b>           |
| <b>Spec:</b> ASME VIII Div.1 | <b>Comments:</b> |                     | <b>Remaining Life:</b>      |
|                              |                  |                     | <b>Retirement Date:</b>     |



# Ultrasonic Corrosion Survey

\*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

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|               |                  |                    |          |                       |                   |
|---------------|------------------|--------------------|----------|-----------------------|-------------------|
| <b>LSD:</b>   | 07-21-051-19 W5M | <b>Area:</b>       | ANSELL   | <b>Location:</b>      | ANSELL GAS PLANT  |
| <b>Jur #:</b> | A0571608         | <b>Tag Number:</b> | 66128609 | <b>Vessel Name:</b>   | INLET SEPARATOR   |
| <b>CRN:</b>   | U0192.213        | <b>Year Built:</b> | 2007     | <b>Serial Number:</b> | 12306200          |
| <b>RT:</b>    | 2                | <b>Vessel CA:</b>  | 1.588 mm | <b>Manufacturer:</b>  | TOROMONT          |
|               |                  | <b>Shell MAWP:</b> | 2689 KPA | <b>Tube MAWP:</b>     | KPA               |
|               |                  | <b>MAWT:</b>       | 66 °C    | <b>MAWT:</b>          | °C                |
|               |                  |                    |          |                       | <b>Pipe/Plate</b> |
|               |                  |                    |          |                       | <b>PLATE</b>      |

|                        |                 |                  |             |             |                     |                |                  |                         |                   |
|------------------------|-----------------|------------------|-------------|-------------|---------------------|----------------|------------------|-------------------------|-------------------|
| <b>CML Description</b> |                 | Baseline         |             |             | <b>Flange ANSI:</b> |                | <b>Material:</b> | SA-516-70N              |                   |
| <b>20</b>              | SHELL           | <b>2014</b>      | <b>2019</b> | <b>Flag</b> | <b>CA</b>           | <b>Nominal</b> | <b>T Min</b>     | <b>STCR mm/yr</b>       | <b>LTCR mm/yr</b> |
| <b>Shape:</b>          | Cylindrical     | <b>Min</b>       | 16.64       | 16.61       | 14.288              | 1.588          | 15.875           | 0.006                   | 0.000             |
| <b>OD:</b>             | 1117.6          | <b>Avg</b>       | 16.87       | 16.71       |                     |                |                  | <b>Remaining Life:</b>  |                   |
| <b>Spec:</b>           | ASME VIII Div.1 | <b>Comments:</b> |             |             |                     |                |                  | <b>Retirement Date:</b> |                   |

|                        |                 |                  |             |             |                     |                |                  |                         |                   |
|------------------------|-----------------|------------------|-------------|-------------|---------------------|----------------|------------------|-------------------------|-------------------|
| <b>CML Description</b> |                 | Baseline         |             |             | <b>Flange ANSI:</b> |                | <b>Material:</b> | SA-516-70N              |                   |
| <b>25</b>              | SHELL           | <b>2014</b>      | <b>2019</b> | <b>Flag</b> | <b>CA</b>           | <b>Nominal</b> | <b>T Min</b>     | <b>STCR mm/yr</b>       | <b>LTCR mm/yr</b> |
| <b>Shape:</b>          | Cylindrical     | <b>Min</b>       | 16.15       | 16.08       | 14.288              | 1.588          | 15.875           | 0.014                   | 0.000             |
| <b>OD:</b>             | 1117.6          | <b>Avg</b>       | 16.46       | 16.21       |                     |                |                  | <b>Remaining Life:</b>  |                   |
| <b>Spec:</b>           | ASME VIII Div.1 | <b>Comments:</b> |             |             |                     |                |                  | <b>Retirement Date:</b> |                   |

|                        |                 |                  |             |             |                     |                |                  |                         |                   |
|------------------------|-----------------|------------------|-------------|-------------|---------------------|----------------|------------------|-------------------------|-------------------|
| <b>CML Description</b> |                 | Baseline         |             |             | <b>Flange ANSI:</b> |                | <b>Material:</b> | SA-516-70N              |                   |
| <b>30</b>              | SHELL           | <b>2014</b>      | <b>2019</b> | <b>Flag</b> | <b>CA</b>           | <b>Nominal</b> | <b>T Min</b>     | <b>STCR mm/yr</b>       | <b>LTCR mm/yr</b> |
| <b>Shape:</b>          | Cylindrical     | <b>Min</b>       | 16.10       | 16.08       | 14.288              | 1.588          | 15.875           | 0.004                   | 0.000             |
| <b>OD:</b>             | 1117.6          | <b>Avg</b>       | 16.33       | 16.21       |                     |                |                  | <b>Remaining Life:</b>  |                   |
| <b>Spec:</b>           | ASME VIII Div.1 | <b>Comments:</b> |             |             |                     |                |                  | <b>Retirement Date:</b> |                   |

|                        |                 |                  |             |             |                     |                |                  |                         |                   |
|------------------------|-----------------|------------------|-------------|-------------|---------------------|----------------|------------------|-------------------------|-------------------|
| <b>CML Description</b> |                 | Baseline         |             |             | <b>Flange ANSI:</b> |                | <b>Material:</b> | SA-516-70N              |                   |
| <b>35</b>              | HEAD            | <b>2014</b>      | <b>2019</b> | <b>Flag</b> | <b>CA</b>           | <b>Nominal</b> | <b>T Min</b>     | <b>STCR mm/yr</b>       | <b>LTCR mm/yr</b> |
| <b>Shape:</b>          | Ellipsoidal     | <b>Min</b>       | 15.95       | 15.85       | 12.700              | 1.588          | 14.287           | 0.020                   | 0.000             |
| <b>OD:</b>             | 1117.6          | <b>Avg</b>       | 16.18       | 16.08       |                     |                |                  | <b>Remaining Life:</b>  |                   |
| <b>Spec:</b>           | ASME VIII Div.1 | <b>Comments:</b> |             |             |                     |                |                  | <b>Retirement Date:</b> |                   |



# Ultrasonic Corrosion Survey

\*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

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Streamline Report #: STL-190246-DMS 63

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|               |                  |                    |          |                       |                   |
|---------------|------------------|--------------------|----------|-----------------------|-------------------|
| <b>LSD:</b>   | 07-21-051-19 W5M | <b>Area:</b>       | ANSELL   | <b>Location:</b>      | ANSELL GAS PLANT  |
| <b>Jur #:</b> | A0571608         | <b>Tag Number:</b> | 66128609 | <b>Vessel Name:</b>   | INLET SEPARATOR   |
| <b>CRN:</b>   | U0192.213        | <b>Year Built:</b> | 2007     | <b>Serial Number:</b> | 12306200          |
| <b>RT:</b>    | 2                | <b>Vessel CA:</b>  | 1.588 mm | <b>Manufacturer:</b>  | TOROMONT          |
|               |                  | <b>Shell MAWP:</b> | 2689 KPA | <b>Tube MAWP:</b>     | KPA               |
|               |                  | <b>MAWT:</b>       | 66 °C    | <b>MAWT:</b>          | °C                |
|               |                  |                    |          |                       | <b>Pipe/Plate</b> |
|               |                  |                    |          |                       | <b>PLATE</b>      |

| CML Description |                 | Baseline         |                 | Flag   | Flange ANSI: |         | Material: SA-516-70N |                         |            |
|-----------------|-----------------|------------------|-----------------|--------|--------------|---------|----------------------|-------------------------|------------|
|                 |                 | 2014             | 2019            |        | CA           | Nominal | T Min                | STCR mm/yr              | LTCR mm/yr |
| <b>40</b>       | SHELL           |                  |                 |        |              |         |                      |                         |            |
| <b>Shape:</b>   | Boot            | <b>Min</b>       | 12.40 12.62     | 11.113 | 1.588        | 12.700  |                      | 0.000                   | 0.006      |
| <b>OD:</b>      | 323.85          | <b>Avg</b>       | 12.95 12.80     |        |              |         |                      |                         |            |
| <b>Spec:</b>    | ASME VIII Div.1 | <b>Comments:</b> | ASSUMED NOMINAL |        |              |         |                      | <b>Remaining Life:</b>  |            |
|                 |                 |                  |                 |        |              |         |                      | <b>Retirement Date:</b> |            |

| CML Description |                 | Baseline         |                 | Flag   | Flange ANSI: |         | Material: SA-516-70N |                         |            |
|-----------------|-----------------|------------------|-----------------|--------|--------------|---------|----------------------|-------------------------|------------|
|                 |                 | 2014             | 2019            |        | CA           | Nominal | T Min                | STCR mm/yr              | LTCR mm/yr |
| <b>45</b>       | HEAD            |                  |                 |        |              |         |                      |                         |            |
| <b>Shape:</b>   | Boot            | <b>Min</b>       | 10.90 10.64     | 11.113 | 1.588        | 12.700  | 3.835                | 0.051                   | 0.171      |
| <b>OD:</b>      | 323.85          | <b>Avg</b>       | 11.48 11.53     |        |              |         |                      |                         |            |
| <b>Spec:</b>    | ASME VIII Div.1 | <b>Comments:</b> | ASSUMED NOMINAL |        |              |         |                      | <b>Remaining Life:</b>  | 134 yrs    |
|                 |                 |                  |                 |        |              |         |                      | <b>Retirement Date:</b> | 2153       |

| CML Description |                 | Baseline         |                 | Flag   | Flange ANSI: |         | Material: SA-106-B |                         |            |
|-----------------|-----------------|------------------|-----------------|--------|--------------|---------|--------------------|-------------------------|------------|
|                 |                 | 2014             | 2019            |        | CA           | Nominal | T Min              | STCR mm/yr              | LTCR mm/yr |
| <b>50</b>       | NOZZLE          |                  |                 |        |              |         |                    |                         |            |
| <b>Shape:</b>   | Cylindrical     | <b>Min</b>       | 16.10 12.73     | 11.113 | 1.588        | 12.700  |                    | 0.675                   | 0.000      |
| <b>OD:</b>      | 558.8           | <b>Avg</b>       | 16.33 13.26     |        |              |         |                    |                         |            |
| <b>Spec:</b>    | ASME VIII Div.1 | <b>Comments:</b> | ASSUMED NOMINAL |        |              |         |                    | <b>Remaining Life:</b>  |            |
|                 |                 |                  |                 |        |              |         |                    | <b>Retirement Date:</b> |            |

| CML Description |                 | Baseline         |                 | Flag   | Flange ANSI: |         | Material: SA-516-70N |                         |            |
|-----------------|-----------------|------------------|-----------------|--------|--------------|---------|----------------------|-------------------------|------------|
|                 |                 | 2014             | 2019            |        | CA           | Nominal | T Min                | STCR mm/yr              | LTCR mm/yr |
| <b>55</b>       | SHELL           |                  |                 |        |              |         |                      |                         |            |
| <b>Shape:</b>   | Cylindrical     | <b>Min</b>       | 15.95 12.60     | 11.113 | 1.588        | 12.700  |                      | 0.670                   | 0.008      |
| <b>OD:</b>      | 558.8           | <b>Avg</b>       | 16.18 12.93     |        |              |         |                      |                         |            |
| <b>Spec:</b>    | ASME VIII Div.1 | <b>Comments:</b> | ASSUMED NOMINAL |        |              |         |                      | <b>Remaining Life:</b>  |            |
|                 |                 |                  |                 |        |              |         |                      | <b>Retirement Date:</b> |            |



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\*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

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Inspector: JAEHUN LEE

|               |                  |                    |          |                       |                   |
|---------------|------------------|--------------------|----------|-----------------------|-------------------|
| <b>LSD:</b>   | 07-21-051-19 W5M | <b>Area:</b>       | ANSELL   | <b>Location:</b>      | ANSELL GAS PLANT  |
| <b>Jur #:</b> | A0571608         | <b>Tag Number:</b> | 66128609 | <b>Vessel Name:</b>   | INLET SEPARATOR   |
| <b>CRN:</b>   | U0192.213        | <b>Year Built:</b> | 2007     | <b>Serial Number:</b> | 12306200          |
| <b>RT:</b>    | 2                | <b>Vessel CA:</b>  | 1.588 mm | <b>Manufacturer:</b>  | TOROMONT          |
|               |                  | <b>Shell MAWP:</b> | 2689 KPA | <b>Tube MAWP:</b>     | KPA               |
|               |                  | <b>MAWT:</b>       | 66 °C    | <b>MAWT:</b>          | °C                |
|               |                  |                    |          |                       | <b>Pipe/Plate</b> |
|               |                  |                    |          |                       | <b>PLATE</b>      |

|                        |                 |                  |                 |             |                     |                |                  |                         |                   |
|------------------------|-----------------|------------------|-----------------|-------------|---------------------|----------------|------------------|-------------------------|-------------------|
| <b>CML Description</b> |                 | Baseline         |                 |             | <b>Flange ANSI:</b> |                | <b>Material:</b> | SA-516-70N              |                   |
| <b>60</b>              | HEAD            | <b>2014</b>      | <b>2019</b>     | <b>Flag</b> | <b>CA</b>           | <b>Nominal</b> | <b>T Min</b>     | <b>STCR mm/yr</b>       | <b>LTCR mm/yr</b> |
| <b>Shape:</b>          | Ellipsoidal     | <b>Min</b>       | 12.40           | 12.52       | 11.113              | 1.588          | 12.700           | 0.000                   | 0.015             |
| <b>OD:</b>             | 558.8           | <b>Avg</b>       | 12.95           | 13.34       |                     |                |                  |                         |                   |
| <b>Spec:</b>           | ASME VIII Div.1 | <b>Comments:</b> | ASSUMED NOMINAL |             |                     |                |                  | <b>Remaining Life:</b>  |                   |
|                        |                 |                  |                 |             |                     |                |                  | <b>Retirement Date:</b> |                   |

|                        |                 |                  |                 |             |                     |                |                  |                         |                   |
|------------------------|-----------------|------------------|-----------------|-------------|---------------------|----------------|------------------|-------------------------|-------------------|
| <b>CML Description</b> |                 | Baseline         |                 |             | <b>Flange ANSI:</b> |                | <b>Material:</b> | SA-234-WPB              |                   |
| <b>65</b>              | NOZZLE          | <b>2014</b>      | <b>2019</b>     | <b>Flag</b> | <b>CA</b>           | <b>Nominal</b> | <b>T Min</b>     | <b>STCR mm/yr</b>       | <b>LTCR mm/yr</b> |
| <b>Shape:</b>          | 90° Elbow       | <b>Min</b>       | 10.72           | 11.15       | 9.385               | 1.588          | 10.973           | 0.000                   | 0.000             |
| <b>OD:</b>             | 168.275         | <b>Avg</b>       | 11.40           | 11.53       |                     |                |                  |                         |                   |
| <b>Spec:</b>           | ASME VIII Div.1 | <b>Comments:</b> | ASSUMED NOMINAL |             |                     |                |                  | <b>Remaining Life:</b>  |                   |
|                        |                 |                  |                 |             |                     |                |                  | <b>Retirement Date:</b> |                   |

|                        |            |                  |                 |             |                     |                |                  |                         |                   |
|------------------------|------------|------------------|-----------------|-------------|---------------------|----------------|------------------|-------------------------|-------------------|
| <b>CML Description</b> |            | Baseline         |                 |             | <b>Flange ANSI:</b> |                | <b>Material:</b> | SA-234-WPB              |                   |
| <b>70</b>              | PIPING     | <b>2014</b>      | <b>2019</b>     | <b>Flag</b> | <b>CA</b>           | <b>Nominal</b> | <b>T Min</b>     | <b>STCR mm/yr</b>       | <b>LTCR mm/yr</b> |
| <b>Shape:</b>          | 90° Elbow  | <b>Min</b>       | 3.71            | 3.63        | 3.423               | 0.489          | 3.912            | 0.016                   | 0.023             |
| <b>OD:</b>             | 60.325     | <b>Avg</b>       | 4.11            | 3.91        |                     |                |                  |                         |                   |
| <b>Spec:</b>           | ASME B31.3 | <b>Comments:</b> | ASSUMED NOMINAL |             |                     |                |                  | <b>Remaining Life:</b>  |                   |
|                        |            |                  |                 |             |                     |                |                  | <b>Retirement Date:</b> |                   |

|                        |            |                  |                 |             |                     |                |                  |                         |                   |
|------------------------|------------|------------------|-----------------|-------------|---------------------|----------------|------------------|-------------------------|-------------------|
| <b>CML Description</b> |            | Baseline         |                 |             | <b>Flange ANSI:</b> |                | <b>Material:</b> | SA-234-WPB              |                   |
| <b>75</b>              | PIPING     | <b>2014</b>      | <b>2019</b>     | <b>Flag</b> | <b>CA</b>           | <b>Nominal</b> | <b>T Min</b>     | <b>STCR mm/yr</b>       | <b>LTCR mm/yr</b> |
| <b>Shape:</b>          | 90° Elbow  | <b>Min</b>       | 3.99            | 3.53        | 3.423               | 0.489          | 3.912            | 0.092                   | 0.032             |
| <b>OD:</b>             | 60.325     | <b>Avg</b>       | 4.29            | 3.96        |                     |                |                  |                         |                   |
| <b>Spec:</b>           | ASME B31.3 | <b>Comments:</b> | ASSUMED NOMINAL |             |                     |                |                  | <b>Remaining Life:</b>  |                   |
|                        |            |                  |                 |             |                     |                |                  | <b>Retirement Date:</b> |                   |



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\*All values are in millimeters unless otherwise stated.

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|               |                  |                    |          |                       |                   |
|---------------|------------------|--------------------|----------|-----------------------|-------------------|
| <b>LSD:</b>   | 07-21-051-19 W5M | <b>Area:</b>       | ANSELL   | <b>Location:</b>      | ANSELL GAS PLANT  |
| <b>Jur #:</b> | A0571608         | <b>Tag Number:</b> | 66128609 | <b>Vessel Name:</b>   | INLET SEPARATOR   |
| <b>CRN:</b>   | U0192.213        | <b>Year Built:</b> | 2007     | <b>Serial Number:</b> | 12306200          |
| <b>RT:</b>    | 2                | <b>Vessel CA:</b>  | 1.588 mm | <b>Manufacturer:</b>  | TOROMONT          |
|               |                  | <b>Shell MAWP:</b> | 2689 KPA | <b>Tube MAWP:</b>     | KPA               |
|               |                  | <b>MAWT:</b>       | 66 °C    | <b>MAWT:</b>          | °C                |
|               |                  |                    |          |                       | <b>Pipe/Plate</b> |
|               |                  |                    |          |                       | <b>PLATE</b>      |

| CML Description |            | Baseline         |                 | Flag | Flange ANSI: |         | Material: SA-234-WPB |                         |            |
|-----------------|------------|------------------|-----------------|------|--------------|---------|----------------------|-------------------------|------------|
| 80              | PIPING     | 2014             | 2019            |      | CA           | Nominal | T Min                | STCR mm/yr              | LTCR mm/yr |
| <b>Shape:</b>   | 90° Elbow  | <b>Min</b>       | 8.28            | 8.26 | 7.623        | 1.089   | 8.712                | 0.005                   | 0.038      |
| <b>OD:</b>      | 60.325     | <b>Avg</b>       | 8.74            | 8.64 |              |         |                      | <b>Remaining Life:</b>  |            |
| <b>Spec:</b>    | ASME B31.3 | <b>Comments:</b> | ASSUMED NOMINAL |      |              |         |                      | <b>Retirement Date:</b> |            |

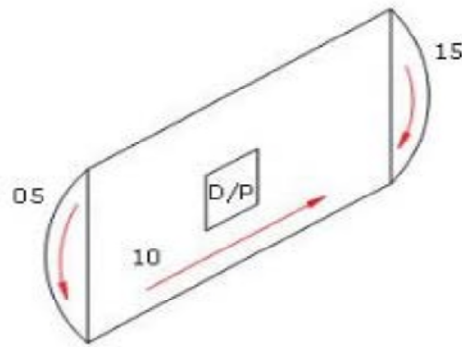
| CML Description |            | Baseline         |                 | Flag | Flange ANSI: |         | Material: SA-234-WPB |                         |            |
|-----------------|------------|------------------|-----------------|------|--------------|---------|----------------------|-------------------------|------------|
| 85              | PIPING     | 2014             | 2019            |      | CA           | Nominal | T Min                | STCR mm/yr              | LTCR mm/yr |
| <b>Shape:</b>   | 90° Elbow  | <b>Min</b>       | 3.58            | 3.48 | 3.423        | 0.489   | 3.912                | 0.020                   | 0.036      |
| <b>OD:</b>      | 60.325     | <b>Avg</b>       | 3.99            | 3.89 |              |         |                      | <b>Remaining Life:</b>  |            |
| <b>Spec:</b>    | ASME B31.3 | <b>Comments:</b> | ASSUMED NOMINAL |      |              |         |                      | <b>Retirement Date:</b> |            |

| CML Description |            | Baseline         |                 | Flag | Flange ANSI: |         | Material: SA-234-WPB |                         |            |
|-----------------|------------|------------------|-----------------|------|--------------|---------|----------------------|-------------------------|------------|
| 90              | PIPING     | 2014             | 2019            |      | CA           | Nominal | T Min                | STCR mm/yr              | LTCR mm/yr |
| <b>Shape:</b>   | 90° Elbow  | <b>Min</b>       | 8.15            | 8.23 | 7.156        | 1.022   | 8.179                | 0.000                   | 0.000      |
| <b>OD:</b>      | 219.075    | <b>Avg</b>       | 8.53            | 8.53 |              |         |                      | <b>Remaining Life:</b>  |            |
| <b>Spec:</b>    | ASME B31.3 | <b>Comments:</b> | ASSUMED NOMINAL |      |              |         |                      | <b>Retirement Date:</b> |            |



|                        |          |                         |                    |
|------------------------|----------|-------------------------|--------------------|
| Location Name:         | ANSELL   | LSD:                    | 07-21-051-19 W5M   |
| Jur #:                 |          | Equipment/Tag No.       |                    |
| Equipment Description: | FLOAT    |                         |                    |
| Manufacturer:          |          |                         |                    |
| Serial Number:         | 90025-11 | CRN:                    | UH5324.231         |
| Shell MAWP:            | 2758     | KPA Shell Design Temp:  | 121 °C             |
| Tube MAWP:             |          | KPA Tube Design Temp:   | °C                 |
| Shell Material:        | Unknown  | Head Material:          | Unknown            |
| Shell Thickness:       |          | Head Thickness:         | mm                 |
| Corrosion Allowance:   |          | Date Built:             | 2007               |
| Size:                  | 114.3    | mm Pipe / Rolled Plate: | PIPE               |
| RT:                    |          | Streamline Report #:    | STL-19-0246-DMS 64 |

NOTES: SAP#66128609.WITH A#0571608





# Ultrasonic Corrosion Survey

\*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: JUNE 15/ 19

Streamline Report #: STL-19-0246-DMS 64

Inspector: JAEHUN LEE

|                              |                             |                                   |
|------------------------------|-----------------------------|-----------------------------------|
| <b>LSD:</b> 07-21-051-19 W5M | <b>Area:</b> ANSELL         | <b>Location:</b> ANSELL GAS PLANT |
| <b>Jur #:</b>                | <b>Tag Number:</b>          | <b>Vessel Name:</b> FLOAT         |
| <b>CRN:</b> UH5324.231       | <b>Year Built:</b> 2007     | <b>Serial Number:</b> 90025-11    |
| <b>RT:</b>                   | <b>Vessel CA:</b> 0.000 mm  | <b>Manufacturer:</b>              |
|                              | <b>Shell MAWP:</b> 2758 KPA | <b>Tube MAWP:</b> KPA             |
|                              | <b>MAWT:</b> 121 °C         | <b>MAWT:</b> °C                   |
|                              |                             | <b>Pipe/Plate PIPE</b>            |

| CML Description              | Baseline         | 2014 | 2019 | Flag | Flange ANSI: CA | Nominal | Material: Unknown | T Min | STCR mm/yr             | LTCR mm/yr              |
|------------------------------|------------------|------|------|------|-----------------|---------|-------------------|-------|------------------------|-------------------------|
| <b>05</b> HEAD               |                  |      |      |      |                 |         |                   |       |                        |                         |
| <b>Shape:</b> Ellipsoidal    | <b>Min</b>       | 6.48 | 6.53 |      | 0.000           |         |                   |       | 0.000                  | 0.000                   |
| <b>OD:</b> 114.3             | <b>Avg</b>       | 7.87 | 7.04 |      |                 |         |                   |       |                        |                         |
| <b>Spec:</b> ASME VIII Div.1 | <b>Comments:</b> |      |      |      |                 |         |                   |       | <b>Remaining Life:</b> | <b>Retirement Date:</b> |

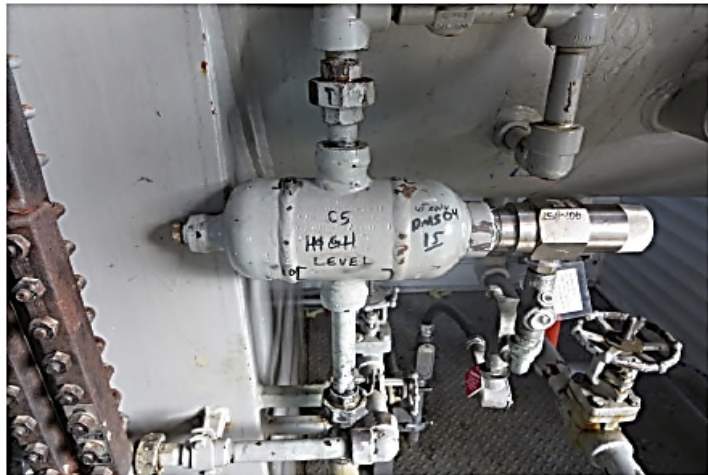
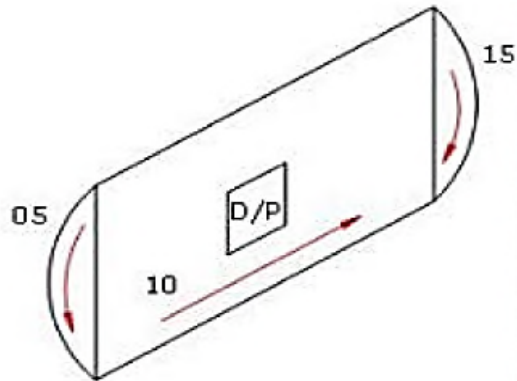
| CML Description              | Baseline         | 2014 | 2019 | Flag | Flange ANSI: CA | Nominal | Material: Unknown | T Min | STCR mm/yr             | LTCR mm/yr              |
|------------------------------|------------------|------|------|------|-----------------|---------|-------------------|-------|------------------------|-------------------------|
| <b>10</b> SHELL              |                  |      |      |      |                 |         |                   |       |                        |                         |
| <b>Shape:</b> Cylindrical    | <b>Min</b>       | 6.02 | 6.15 |      | 0.000           |         |                   |       | 0.000                  | 0.000                   |
| <b>OD:</b> 114.3             | <b>Avg</b>       | 6.48 | 6.40 |      |                 |         |                   |       |                        |                         |
| <b>Spec:</b> ASME VIII Div.1 | <b>Comments:</b> |      |      |      |                 |         |                   |       | <b>Remaining Life:</b> | <b>Retirement Date:</b> |

| CML Description              | Baseline         | 2014 | 2019 | Flag | Flange ANSI: CA | Nominal | Material: Unknown | T Min | STCR mm/yr             | LTCR mm/yr              |
|------------------------------|------------------|------|------|------|-----------------|---------|-------------------|-------|------------------------|-------------------------|
| <b>15</b> HEAD               |                  |      |      |      |                 |         |                   |       |                        |                         |
| <b>Shape:</b> Ellipsoidal    | <b>Min</b>       | 7.34 | 7.19 |      | 0.000           |         |                   |       | 0.030                  | 0.000                   |
| <b>OD:</b> 114.3             | <b>Avg</b>       | 8.46 | 8.00 |      |                 |         |                   |       |                        |                         |
| <b>Spec:</b> ASME VIII Div.1 | <b>Comments:</b> |      |      |      |                 |         |                   |       | <b>Remaining Life:</b> | <b>Retirement Date:</b> |



|                               |                  |                             |                    |
|-------------------------------|------------------|-----------------------------|--------------------|
| <b>Location Name:</b>         | ANSELL           | <b>LSD:</b>                 | 07-21-051-19 W5M   |
| <b>Jur #:</b>                 |                  | <b>Equipment/Tag No.</b>    |                    |
| <b>Equipment Description:</b> | HORIZONTAL FLOAT |                             |                    |
| <b>Manufacturer:</b>          |                  |                             |                    |
| <b>Serial Number:</b>         | 90025-605        | <b>CRN:</b>                 |                    |
| <b>Shell MAWP:</b>            | 2758             | <b>Shell Design Temp:</b>   | 121 °C             |
| <b>Tube MAWP:</b>             |                  | <b>Tube Design Temp:</b>    | °C                 |
| <b>Shell Material:</b>        | Unknown          | <b>Head Material:</b>       | Unknown            |
| <b>Shell Thickness:</b>       |                  | <b>Head Thickness:</b>      | mm                 |
| <b>Corrosion Allowance:</b>   |                  | <b>Date Built:</b>          | 2007               |
| <b>Size:</b>                  | 114.3            | <b>Pipe / Rolled Plate:</b> | PIPE               |
| <b>RT:</b>                    |                  | <b>Streamline Report #:</b> | STL-98-0246-DMS 65 |

**NOTES:** SAP#66128609.WITH A#0571608





# Ultrasonic Corrosion Survey

\*All values are in millimeters unless otherwise stated.

Survey Name: Husky Energy

Date: JUNE 15/ 19

Streamline Report #: STL-98-0246-DMS 65

Inspector: JAEHUN LEE

|               |                  |                    |          |                       |                        |
|---------------|------------------|--------------------|----------|-----------------------|------------------------|
| <b>LSD:</b>   | 07-21-051-19 W5M | <b>Area:</b>       | ANSELL   | <b>Location:</b>      | ANSELL GAS PLANT       |
| <b>Jur #:</b> |                  | <b>Tag Number:</b> |          | <b>Vessel Name:</b>   | HORIZONTAL FLOAT       |
| <b>CRN:</b>   |                  | <b>Year Built:</b> | 2007     | <b>Serial Number:</b> | 90025-605              |
| <b>RT:</b>    |                  | <b>Vessel CA:</b>  | 0.000 mm | <b>Manufacturer:</b>  |                        |
|               |                  | <b>Shell MAWP:</b> | 2758 KPA | <b>Tube MAWP:</b>     |                        |
|               |                  | <b>MAWT:</b>       | 121 °C   | <b>MAWT:</b>          |                        |
|               |                  |                    |          |                       | <b>Pipe/Plate PIPE</b> |

| CML Description |                 | Baseline         |      | Flag | Flange ANSI: |         | Material: Unknown |                        |                         |
|-----------------|-----------------|------------------|------|------|--------------|---------|-------------------|------------------------|-------------------------|
|                 |                 | 2014             | 2019 |      | CA           | Nominal | T Min             | STCR mm/yr             | LTCR mm/yr              |
| <b>05</b>       | HEAD            |                  |      |      |              |         |                   |                        |                         |
| <b>Shape:</b>   | Ellipsoidal     | <b>Min</b>       | 6.83 | 6.91 | 0.000        |         |                   | 0.000                  | 0.000                   |
| <b>OD:</b>      | 114.3           | <b>Avg</b>       | 7.42 | 8.10 |              |         |                   |                        |                         |
| <b>Spec:</b>    | ASME VIII Div.1 | <b>Comments:</b> |      |      |              |         |                   | <b>Remaining Life:</b> | <b>Retirement Date:</b> |

| CML Description |                 | Baseline         |      | Flag | Flange ANSI: |         | Material: Unknown |                        |                         |
|-----------------|-----------------|------------------|------|------|--------------|---------|-------------------|------------------------|-------------------------|
|                 |                 | 2014             | 2019 |      | CA           | Nominal | T Min             | STCR mm/yr             | LTCR mm/yr              |
| <b>10</b>       | SHELL           |                  |      |      |              |         |                   |                        |                         |
| <b>Shape:</b>   | Cylindrical     | <b>Min</b>       | 5.74 | 5.74 | 0.000        |         |                   | 0.000                  | 0.000                   |
| <b>OD:</b>      | 114.3           | <b>Avg</b>       | 6.02 | 5.82 |              |         |                   |                        |                         |
| <b>Spec:</b>    | ASME VIII Div.1 | <b>Comments:</b> |      |      |              |         |                   | <b>Remaining Life:</b> | <b>Retirement Date:</b> |

| CML Description |                 | Baseline         |      | Flag | Flange ANSI: |         | Material: Unknown |                        |                         |
|-----------------|-----------------|------------------|------|------|--------------|---------|-------------------|------------------------|-------------------------|
|                 |                 | 2014             | 2019 |      | CA           | Nominal | T Min             | STCR mm/yr             | LTCR mm/yr              |
| <b>15</b>       | HEAD            |                  |      |      |              |         |                   |                        |                         |
| <b>Shape:</b>   | Ellipsoidal     | <b>Min</b>       | 6.81 | 6.88 | 0.000        |         |                   | 0.000                  | 0.000                   |
| <b>OD:</b>      | 114.3           | <b>Avg</b>       | 8.18 | 8.05 |              |         |                   |                        |                         |
| <b>Spec:</b>    | ASME VIII Div.1 | <b>Comments:</b> |      |      |              |         |                   | <b>Remaining Life:</b> | <b>Retirement Date:</b> |