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| **FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS** |
| **(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)** |
| **As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1** |

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| 1. | Manufactured and certified by  |  |
| (Name and address of Manufacturer) |
| 2. | Manufactured for |  |
| (Name and address of Purchaser) |
| 3. | Location of installation |  |
| (Name and address) |
| 4. | Type |  |  |  |  |  |  |  |  |  |  |  |
|  | (Horizontal or vertical, tank) |  | (Manufacturer’s serial number) |  | (CRN) |  | (Drawing number) |  | (National Board number) |  | (Year built) |
| 5. | ASME Code, Section VIII, Division 1 |  |  |  |  |  |
|  | [Edition and Addenda, if applicable (date)] |  | (Code Case numbers) |  | [Special service per UG-120(d)] |
| 6. | Shell |  |  |  |  |  |  |  |  |  |
|  | (Material spec. number, grade) |  | (Nominal thickness) |  | (Corr. allow.) |  | (Inner diameter) |  | [Length (overall)] |

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| Body Flanges on Shells |
| No. | Type | ID | OD | Flange Thk | Min Hub Thk | Material | How Attached | Location | Bolting |
| Num & Size | Bolting Material | Washer (OD, ID, thk) | Washer Material |
| (a) |  |  |  |  |  |  |  |  |  |  |  |  |
| (b) |  |  |  |  |  |  |  |  |  |  |  |  |

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| 7. | Seams |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | [Long. (welded, dbl., sngl., lap, butt)] |  | [R.T. (spot or full)] |  | (Eff., %) |  | (H.T. temp.) |  | (Time, hr) |  | [Girth (welded, dbl., sngl., lap, butt)] |  | [R.T. (spot or full)] |  | (Eff., %) |  | (No. of courses) |
| 8. | Heads: (a) Material |  | (b) Material |  |
| (Spec. no., grade) |  |  | (Spec. no., grade) |

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|  | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
| (a) |  |  |  |  |  |  |  |  |  |  |
| (b) |  |  |  |  |  |  |  |  |  |  |

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| Body Flanges on Heads |
| No. | Location | Type | ID | OD | Flange Thk | Min Hub Thk | Material | How Attached | Bolting |
| Num & Size | Bolting Material | Washer (OD, ID, thk) | Washer Material |
| (a) |  |  |  |  |  |  |  |  |  |  |  |  |
| (a) |  |  |  |  |  |  |  |  |  |  |  |  |

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| 9. | MAWP |  |  |  |  | at max. temp. |  |  |  |  |
|  | (Internal) |  | (External) |  |  |  | (Internal) |  | (External) |
|  | Min. design metal temp. |  | at |  | Hydro., ~~pneu., or comb.~~ test pressure |  |
|  |
|  | Proof test | - |  . |

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| 10. | Nozzles, inspection, and safety valve openings: |  |

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| Purpose(Inlet, Outlet, Drain etc.) | No. | Diameter or Size | Type | Material | Nozzle Thickness | ReinforcementMaterial | Attachment Details | Location (Insp. Open.) |
| Nozzle | Flange | Nom. | Corr. | Nozzle | Flange |
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| 11. | Supports: Skirt |  | Lugs |  | Legs |  | Other |  | Attached |  |
|  | (Yes or no) |  | (Number) |  | (Number) |  | (Describe) |  | (Where and how) |
| 12. | Remarks: Manufacturer’s Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following |
| items of the report: | none |
| (Name of part, item number, Manufacturer’s name and identifying stamp) |
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| **CERTIFICATE OF SHOP/FIELD COMPLIANCE** |
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| We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel  |
| conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. “U” Certificate of Authorization Number |  |  |
| expires |  | . |
|  |
| Date |  | Co. Name |  | Signed |  |
|  | (Manufacturer) | (Representative) |  |

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| **CERTIFICATE OF SHOP/FIELD INSPECTION** |
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| Vessel constructed by |  | at |  | . |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by |
|  |  |  |
|  |
| have inspected the component described in this Manufacturer's Data Report on |  | , and state that, |
| to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE |
| VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or |
| implied, concerning the pressure vessel described in this Manufacturer’s Data Report. Furthermore, neither the Inspector nor his / her employer |
| shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. |
|  |
| Date |  | Signed |  | Commissions |  |  |
|  | (Authorized Inspector) | [National Board (incl. endorsements)] |