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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 | | | |  | | |
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|  | 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 | | Reinforcement  Material | 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** | | | | | | | | | |
|  | | | | | | | | | |
| 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** | | | | | | | | | | |
|  | | | | | | | | | | |
| 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)] | |