

## Radiography TEST Report for Piping

|                               |            |                                           |                               |                                          |                                                      |                |                              |                                 |                    |                                                                                   |                  |           |                        |                                     |                          |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------|------------|-------------------------------------------|-------------------------------|------------------------------------------|------------------------------------------------------|----------------|------------------------------|---------------------------------|--------------------|-----------------------------------------------------------------------------------|------------------|-----------|------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Report No.                    | HOMA-223   | Reference Standard:                       | ASME B 31.3                   | RT Device S/N:                           | 12689                                                | Density:       | 2-4                          | Received Dose(μsv)              |                    | Gelger                                                                            |                  | Dosimeter |                        | Radiographer Name                   | Personnel Code           |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Report Date:                  | 24/05/1405 | RT Instruction No.                        | J-104-1N-33                   | KV:                                      |                                                      | Sensitivity:   | 1/2                          |                                 |                    |                                                                                   |                  |           |                        | سهانت احمدی                         | 1281                     |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Radiography Date:             | 20/05/1405 | RT Technique:                             |                               | Source Power:                            | 37 ci                                                | Film Type:     | FUJIFILM-FB-10               | 150μsv                          |                    | PC536                                                                             | 0                |           |                        | مید مسلم موسوی                      | 1144                     |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Request No.                   | 495        | SWSI <input type="checkbox"/>             | DWSI <input type="checkbox"/> | DWDI <input checked="" type="checkbox"/> | Source Size:                                         | 2-2            | Total Film Length:           | 1,035CM                         | 100μsv             | 3C129                                                                             | 0                |           |                        | رضا آبهایی                          | 1252                     |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Page:                         | 1/2        | IQI                                       | 10 - 16                       | Fe                                       | DIN                                                  | Exposure Time: | 70min                        | Spilled Film:                   |                    | ---                                                                               |                  | ---       |                        | ---                                 |                          |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Number of locations:          | 54         | Total request (inch diameter/film sheet): |                               |                                          |                                                      |                | 70                           | Number of radiographic lesions: | 23                 | Total radiographed (inch diameter/film sheet):                                    |                  |           | 23(inch)               | Start time:                         |                          |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Row                           | Joint No.  | Line No.                                  | RT No.                        | Size (inch)                              | Thk (mm)                                             | Film Size      | Segment                      | Material                        | Welder Stamp       | Welding Process                                                                   | Joint Type       | Req No.   | Weld Defect            | Accept                              | Repair                   | Rebake                   | Cut Out                  | Remark |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1                             | 6          | -211026-CL1500-SS16-1-GAS-DRYC2           | 6093                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2                             | 7          | -211026-CL1500-SS16-1-GAS-DRYC2           | 6094                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3                             | 12         | -211026-CL1500-SS16-1-GAS-DRYC2           | 6095                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4                             | 8          | -211026-CL1500-SS16-1-GAS-DRYC2           | 6113                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                             | 9          | -211026-CL1500-SS16-1-GAS-DRYC2           | 6114                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6                             | 10         | -211026-CL1500-SS16-1-GAS-DRYC2           | 6115                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7                             | 11         | -211026-CL1500-SS16-1-GAS-DRYC2           | 6116                          | 1                                        | #REF!                                                | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8                             | 16         | -211026-CL1500-SS16-1-GAS-DRYC2           | 6117                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9                             | 8          | -211026-CL1500-SS16-1-GAS-DRYC2           | 6118                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                            | 9          | -211026-CL1500-SS16-1-GAS-DRYC2           | 6119                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11                            | 10         | -211026-CL1500-SS16-1-GAS-DRYC2           | 6120                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12                            | 11         | -211026-CL1500-SS16-1-GAS-DRYC2           | 6121                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13                            | 12         | -211026-CL1500-SS16-1-GAS-DRYC2           | 6122                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14                            | 13         | -211026-CL1500-SS16-1-GAS-DRYC2           | 6123                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                            | 14         | -211026-CL1500-SS16-1-GAS-DRYC2           | 6124                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16                            | 19         | -211026-CL1500-SS16-1-GAS-DRYC2           | 6125                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17                            | 8          | -211026-CL1500-SS16-1-GAS-DRYC2           | 6126                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18                            | 9          | -211026-CL1500-SS16-1-GAS-DRYC2           | 6127                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19                            | 10         | -211026-CL1500-SS16-1-GAS-DRYC2           | 6128                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                            | 11         | -211026-CL1500-SS16-1-GAS-DRYC2           | 6129                          | 1                                        | 4.55                                                 | 15*3           | ALL                          |                                 | 44                 |                                                                                   | BW               | 495       |                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Number of radiographed welds: |            | 20                                        | Total inch:                   |                                          | 20(inch)                                             |                | Total number of film sheets: |                                 | 69                 |                                                                                   |                  |           |                        |                                     |                          |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Legend:                       |            | P: Proximity                              | CP: Cluster porosity          |                                          | LOP, IP: Lack Of Penetration, Inadequate Penetration |                | UC: Under Cut                |                                 | SI: Slag Inclusion |                                                                                   | HB: Hollow Bead  |           | EP: Excess Penetration |                                     | WH: Worm Hole            |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                               |            | C: Crack                                  | CC: Crater Crack              |                                          | LOF, IF: Lack Of Fusion, Incomplete Fusion           |                | BT: Burn Thru                |                                 | CL: Cold Lap       |                                                                                   | MA: Misalignment |           | IC: Internal Concavity |                                     | FM: Film Mark            |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Operator (Level II)           |            |                                           |                               |                                          | Sub-Contractor (NDT Contractor)                      |                |                              |                                 |                    | Technical Manager                                                                 |                  |           |                        |                                     | Owner                    |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Name: سهانت احمدی             |            |                                           |                               |                                          | Name: سینا حاجی مقصودی                               |                |                              |                                 |                    |  |                  |           |                        |                                     | Name:                    |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Date: 24/05/1405              |            |                                           |                               |                                          | Date:                                                |                |                              |                                 |                    |                                                                                   |                  |           |                        |                                     | Date:                    |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sign:                         |            |                                           |                               |                                          | Sign:                                                |                |                              |                                 |                    |                                                                                   |                  |           |                        |                                     | Sign:                    |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Code: J-104-FO-09             |            |                                           |                               |                                          | Revision: 04                                         |                |                              |                                 |                    | Issue Date: 1400.11.02                                                            |                  |           |                        |                                     | Rev. Date: 1404.07.29    |                          |                          |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |