

### Radiography TEST Report for Piping

|                              |   |                             |                            |                    |        |           |                   |                |
|------------------------------|---|-----------------------------|----------------------------|--------------------|--------|-----------|-------------------|----------------|
| Report No. <b>HOMA-161</b>   | Reference Standard: ASME B 31.3   | RT Device S/N: <b>12689</b> | Density: 2-4               | Received Dose(μsv) | Geiger | Dosimeter | Radiographer Name | Personnel Code |
| Report Date: 23/03/1405      | RT Instruction No. J-104-IN-33  | KV:                         | Sensitivity: 1/2           |                    | 1122   | 0         | یاور کریمی        | 1143           |
| Radiography Date: 20/03/1405 | RT Technique:   | Source Power: 63 ci         | Film Type: FUJIS0-NIF-10   | 100μsv             | 1212   | 0         | رضا آسیایی        | 1252           |
| Request No. 437              | SWSI <input type="checkbox"/> DWSI <input checked="" type="checkbox"/> DWDI <input checked="" type="checkbox"/> | Source Size: 2-2            | Total Film Length: 1,320CM | 100μsv             | 1122   | 0         | ابوذر تاجمردادی   | 1110           |
| Page: 1/2                    | IQI 10 - 16 Fe DIN  | Exposure Time: 420min       | Spoiled Film:              |                    | ...    | ...       | ...               |                |

|                         |   |                                    |  |                   |                |
|-------------------------|---|------------------------------------|--|-------------------|----------------|
| Number of locations: 35 | Total request (inch diameter/film sheet): 250 | Number of radiographic lesions: 16 | Total radiographed (inch diameter/film sheet): 164(inch) | Start time: 19:00 | End time: 5:00 |
|-------------------------|---|------------------------------------|--|-------------------|----------------|

| 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                   | Reshoot                  | Retake                   | Cut-Out                  | Remark |
|-----|-----------|------------------------|----------|-------------|----------|-----------|-----------------|----------|--------------|----|-----------------|------------|---------|-------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------|
|     |           |                        |          |             |          |           |                 |          | W1           | W2 |                 |            |         |             |                                     |                          |                          |                          |                          |        |
| 1   | 56        | GAS-1204032-GN28-12"-P | 496RP/RS | 12          | 14.27    | 40*2      | M29/53~54/60~   | CS       | 98           |    |                 |            | 437     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 2   | 32        | GAS-1204037-GN28-12"-P | 834RP    | 12          | 14.27    | 40*2      | CM2/10/41       | CS       | 98           |    |                 |            | 437     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 3   | 28        | GAS-1204032-GN28-12"-P | 3134RP   | 12          | 14.27    | 40*2      | 5/68~70/76/80/8 | CS       | 98           |    |                 |            | 437     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 4   | 12RW      | GAS-1204157-GN28-24"-P | 3290RP   | 24          | 24.61    | 40*2      | CM9/106~107     | CS       | 104          |    |                 |            | 437     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 5   | 1         | HCB-1131058-HN28-2"-P  | 4635     | 2           | 8.74     | 15*3      | ALL             | CS       | 60           |    |                 |            | 437     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 6   | 2         | HCB-1131058-HN28-2"-P  | 4636     | 2           | 8.74     | 15*3      | ALL             | CS       | 60           |    |                 |            | 437     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 7   | 3         | HCB-1131058-HN28-2"-P  | 4637     | 2           | 8.74     | 15*3      | ALL             | CS       | 60           |    |                 |            | 437     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 8   | 4         | HCB-1131058-HN28-2"-P  | 4638     | 2           | 8.74     | 15*3      | ALL             | CS       | 60           |    |                 |            | 437     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 9   | 5         | HCB-1131058-HN28-2"-P  | 4639     | 2           | 8.74     | 15*3      | ALL             | CS       | 60           |    |                 |            | 437     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 10  | 6         | HCB-1131058-HN28-2"-P  | 4640     | 2           | 8.74     | 15*3      | ALL             | CS       | 60           |    |                 |            | 437     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 11  | 2         | GAS-1204036-GN28-12"-P | 4629     | 12          | 14.27    | 40*3      | ALL             | CS       | 102          |    |                 |            | 436     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 12  | 4         | GAS-1204036-GN28-12"-P | 4631     | 12          | 14.27    | 40*3      | ALL             | CS       | 102          |    |                 |            | 436     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 13  | 8         | GAS-1150079-FN27-8"-P  | 4633     | 8           | 8.18     | 30*3      | ALL             | CS       | 14           |    |                 |            | 436     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 14  | 28        | GAS-1150081-FN27-24"-P | 4634     | 24          | 17.48    | 40*6      | ALL             | CS       | 2*7          |    |                 |            | 436     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 15  | 3A        | GAS-1204036-GN28-12"-P | 4630     | 12          | 14.27    | 40*3      | ALL             | CS       | 102          |    |                 |            | 436     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 16  | 4         | HCB-1131152-GN28-24"-P | 3308RP   | 24          | 24.61    | 40*1      | CM190~0         | CS       | 98           |    |                 |            | 436     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 0   |           |                        |          |             |          | *         |                 |          |              |    |                 |            |         |             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 0   |           |                        |          |             |          | *         |                 |          |              |    |                 |            |         |             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 0   |           |                        |          |             |          | *         |                 |          |              |    |                 |            |         |             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |
| 0   |           |                        |          |             |          | *         |                 |          |              |    |                 |            |         |             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |

|                                  |                       |                                 |
|----------------------------------|-----------------------|---------------------------------|
| Number of radiographed welds: 16 | Total inch: 164(inch) | Total number of film sheets: 45 |
|----------------------------------|-----------------------|---------------------------------|

|                |              |                      |  |                  |                    |                  |                        |               |
|----------------|--------------|----------------------|--|------------------|--------------------|------------------|------------------------|---------------|
| <b>Legend:</b> | P: Proximity | CP: Cluster porosity | LOP, IP: Lack Of Penetration, Inadequate Penetration | UC: UnderCut     | 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 Through | CL: Cold Lap       | MA: MisAlignment | IC: Internal Concavity | FM: Film Mark |

| Sub-Contractor (NDT Contractor) |                       | Owner |
|---------------------------------|-----------------------|-------|
| Operator (Level II)             | Technical Manager     |       |
| Name: یاور کریمی                | Name: سینا حاجی مقصدی | Name: |
| Date: 23/03/1405                | Date:                 | Date: |
| Sign:                           | Sign:                 | Sign: |

