

1. DELETED.
 2. SLUG CONTROL SYSTEM TO BE FINALIZED BASED ON FLOW ASSURANCE STUDY; INITIAL SOFT STOP POSITION.
 3. DELETED.
 11. THERMOWELL SIZE.
 12. MAX OPERATING PRESSURE TO INITIATE THE DEPRESSURIZATION.



16. LOCATED DECK FLOOR LEVEL.
17. GLOBE TYPE VALVE.
18. VALVE SHALL BE PAINTED WITH TOP COAT ORANGE-RAL-2000.
19. MOV IS PROVIDED WITH MECHANICAL INTERLOCK TO ENSURE NO OTHER DEPRESSURIZING MOV ON THIS CP IS OPEN WHILE THIS MOV IS OPEN.
20. RISER SHALL BE CS+FBE INTERNAL COATING PLUS 1.6 MM C.A. (0.063")
21. SCRAPER PASSAGE INDICATOR TO BE NON INTRUSIVE TYPE (C₁)
22. DELETED.
23. VALVE SHALL BE API 6D B1B-2 TYPE. DPE SEAT SHALL BE ON THE TRAP SIDE LOCATION AND SEAT SEAT ON THE PIPELINE SIDE.
24. ANCHOR SECURELY. TWO PHASE FLOW WITH POSSIBILITY OF SLUG AND VERY HIGH VELOCITY.
25. SLUG CONTROL VALVE TO BE EQUIPPED WITH SOFT LIMIT TO PREVENT TO AVOID FULL CLOSURE OF THE VALVE. SOFT LIMIT CAN BE CHANGED ANYTIME DURING PRODUCTION LIFE AS REQUIRED.
26. ON ACTIVATION OF A SINGLE HH/LL PRESSURE ALARM ON AN INLET PIPELINE, THE ESD LOGIC WILL ISOLATE THE INCOMING PIPELINE BY CLOSING THE 42" INLET PIPELINE VALVE AND TRIP THE ESD ALARM THE ESD LOGIC (LEVEL 1) WILL:
 - a) CLOSE ALL INCOMING PIPELINES 2vs.
 - b) CLOSE THE 42" OUTLET PIPELINE 2V.
 - c) TRIP THE CILU PUMPS.
 - d) TRIP THE SLO PUMPS.
27. PROVISION FOR FUTURE MECHANICAL SCRAPER PASSAGE INDICATOR. PROVIDE BLIND FLANGE.
28. FAIL SAFE POSITION IS FS (FAIL STEADY) FOR BOTH POWER FAILURE AND CASE SIGNAL FAILURE.
29. DEPRESSURIZATION SHALL BE CARRIED OUT ONLY WHEN THE OPERATING PRESSURE OF THE PRODUCTION HEADER IS NOT HIGHER THAN 600 PSIG (HOLD 12) TO AVOID THE DEPRESSURIZATION GAS TO EXCEED THE FLARE DESIGN CAPACITY.

2. FOR ALL INSTRUMENT SYMBOLS & LEGEND REFER TO DWG. 04-284241 SH.29
3. ALL EQUIPMENT, INSTRUMENT TAG NUMBERS AND LINE NUMBERS ARE PRECEDED BY PLANT NO. A90 AND PLATFORM PREFIX NO. T1.
4. FUSIBLE PLUG SYSTEM FROM ESD/IFPU PANEL CP-0018 INSTALLED PER API RP-14C.
5. AREA LINE IS NON-FRAGILIZABLE AND CS-INTERNAL FBE COATED WITHOUT CORROSION ALLOWANCE.
6. SCRAPER TRAP CLOSURE IS QUICK OPENING TYPE WITH SAFETY INTERLOCK.
7. LOCATE SCRAPER PASSAGE INDICATOR AT LEAST ONE INSTRUMENT PASSAGE DISTANCE FROM BARRED THE SCRAPER PASSAGE INDICATOR SHALL HAVE A LOCAL DISPLAY THAT SHALL BE EXTENDED IN CASE THE SCRAPER PASSAGE INDICATOR IS NOT VISIBLE.
8. PRESSURE INDICATOR IS VISIBLE FROM TRAP DOOR.
9. PARTIAL STAINLESS STEEL REQUIRED.
10. FLANGES MATERIALS ATTACHED ON B31.8 DESIGN SYS. ARE ASTM A707 L3 CL3, MATING FLANGE IS DESIGNED TO MATCH BRANCH PIPING SPECIFICATION.
11. THE DISTANCE BETWEEN THE CENTER LINE OF THE BRANCH AND THE NEXT CENTER LINE OF THE ISOLATION SHALL BE KEPT TO A MINIMUM AND IF MORE THAN THREE PIPE DIAMETERS LINE SHALL BE SLOPED BACK TO THE BRANCH.
12. FOR H ISOLATION SPOOL DETAILS REFER TO DRAWING NO. XX-XXXXXX SHT 001. THIS SPOOL WILL BE INSTALLED IN CLOSE TO THE TRAP DOOR AND THE ISOLATION SHALL BE OPENED TO POSITION DURING SCRAPER OPERATION.
13. MINIMUM DESIGN METAL TEMP = -20°C (-4°F).
14. CORROSION TRANSMITTER COMMUNICATES TO A NEW CMS SERVER AT ZULF CPF.
15. ALL FITTINGS AND ALL FITTINGS ARE SUITABLE FOR PASSING SCRAPER TOOL.
16. REFER TO TYPICAL SAMPLING SYSTEM P&ID DRAWING ON RA-042841 SH.29

[illegible]