



Field for file specification:
Field for date and time :

- NOTES:**
1. KEY INTERLOCKED VALVE.
 2. REMOVABLE MAINTENANCE SPOOL.
 3. CONDITIONING PLATE, PROVIDE STRAIGHT RUN OF 2D UPSTREAM AND 2D DOWNSTREAM.
 4. KEY LOCKED VALVE.
 5. MINIMUM 1 METER SEPARATION.
 6. DO NOT POCKET.
 7. LOCATE ANTI-SURGE VALVE AS CLOSE AS PRACTICAL TO TEE.
 8. 2" EQUALIZATION VALVE PARALLEL TO SHUTDOWN VALVE.
 9. DISSIMILAR CHECK VALVES.
 10. TRANSMITTER TO BE MOUNTED OFF SKID ON WEATHER DECK DUE TO THE ELEVATION OF THE PDT TAPS ON SKID.
 11. SEE DETAIL F101 ON P&ID PH-ME-P-0102-001.
 12. PERMISSIVE TO OPEN LARGE ESDV VALVE ON LOW DIFFERENTIAL.
 13. SIGNAL DIRECT TO PSD, REPEATED TO PCS SYSTEM.
 14. INSTRUMENT LINES ARE HEAT TRACED.

REV	DATE	BY	DESCRIPTION	CHK	ENGR	APPR	CLIENT
Z3	07.04.16		AS BUILT, MW-33788				
Z2	28.01.15		AS BUILT, AFA V-4426				
Z1	26.06.14		AS BUILT, MW-19805				
Z	24.06.13		AS BUILT				

Wood Group Engineering
(North Sea) Ltd.

MUSTANG INTERNATIONAL, LP
HOUSTON, TEXAS



VALHALL
RE-DEVELOPMENT PROJECT
PIPING & INSTRUMENT DIAGRAM
1st STAGE DISCHARGE COOLER

REGISTRATION CODES				DRAWING NO.				SCALE	
AREA	SYSTEM	TYPE	FACILITY CODE	ORIG.	DISP.	SEQ. No.	SHEET	NONE	
T33-02	23	XB	PH	ME	P	0160	001	REV. Z3	