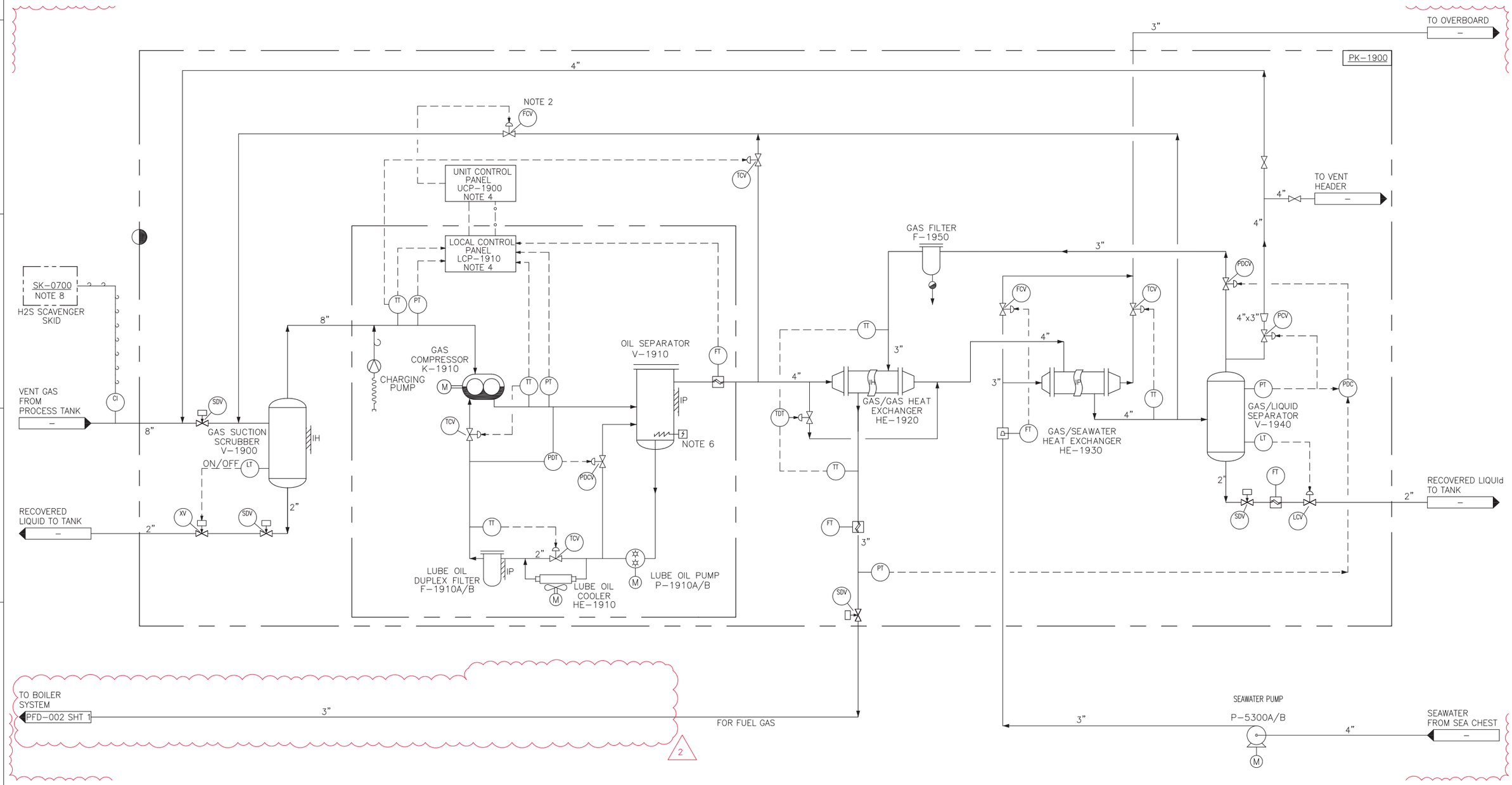
FORMAT: A3

ITEM NO.		V-1900		K-1910		V-1910		P-1910A/B		HE-1910		F-1910A/B		HE-1920		F-1950		HE-1930 NOTE 1		V-1940		P-5300A/B	
NAME		GAS SUCTION SCRUBBER		GAS COMPRESSOR		OIL SEPARATOR		LUBE OIL PUMP		LUBE OIL COOLER		LUBE OIL FILTER		HEAT EXCHANGER		GAS FILTER		HEAT EXCHANGER		GAS/LIQUID SEPARATOR		SEAWATER PUMP	
DESIGN CONFIGURATION		1 x 100%		1 x 100%		1 x 100%		2 x 100%		1 x 100%		2 x 100%		1 x 100%		1 x 100%		1 x 100%		1 x 100%		2 x 100%	
OPER. PRESS. (BARG)	TEMP. (°C)	0.05 – 0.1	50	0.05 (SUCTION) 6.5 (DIS.)	50 (SUCTION) 95 (DIS.) (VTC)	VTA	VTA	VTA	VTA	VTA	VTA	VTA	VTA	5.5 (SHELL) 6.3 (TUBE)	30/60 (SHELL) 95/90 (TUBE) (VTC)	5.7	30	6.1 (HOT SIDE) 3.92 (COLD SIDE)	90/30 (HOT SIDE) (VTC) 27/37 (COLD SIDE) (VTC)	5.9	30	6	27
DESIGN PRESS. (BARG)	TEMP. (°C)	11	150/–29	11	150/–29	11	150/–29	VTA	VTA	VTA	VTA	VTA	VTA	11	150/–29	11	150/–29	11	150/–29	11	150/–29	11	65/0
DESIGN CAPACITY/POWER		30000 SCMD		30000 SCMD		VTA		VTA		VTA		VTA		24 kW (VTC)		–		272 kW (VTC)		–		27 CMH	
DIMENSION (mm)		–		–		–		–		–		–		–		–		–		–		–	



NOTES:

1. CAPACITY OF HEAT EXCHANGER HE-1930 IS DESIGNED TO REDUCE TEMPERATURE OF FULL GAS COMPRESSOR OUTLET STREAM TO SEPARATION TEMPERATURE (IN CASE HEAT EXCHANGER HE-1920 IS NOT IN OPERATION).
2. FCV TO BE DESIGNED AND SUPPLIED BY GAS COMPRESSOR VENDOR
3. MATERIALS FOR HYDROCARBON SERVICE SHALL BE SUITABLE TO SOUR SERVICE AND COMPLIED WITH NACE MR0175/ISO 15156. DUPLEX STAINLESS STEEL IS REQUIRED FOR GAS SERVICE PIPING (CARBON STEEL FOR VALVES CAN BE ACCEPTED).
4. PACKAGE UCP IS LOCATED IN CENTRE CONTROL ROOM. COMPRESSOR LCP IS LOCATED IN THE SKID.
5. ALL LGs, LTs, LZTs FOR HYDROCARBON SERVICE SHALL BE PROVIDED WITH HEAT TRACING.
6. ELECTRIC HEATER FOR COMPRESSOR START-UP, IF REQUIRED.
7. ALL INSTRUMENTATION SIGNALS OF SEAWATER PUMPS AND H2S SCAVENGER INJECTION SKID ARE CONNECTED TO/ FROM THE UCP OF PACKAGE PK-1900.
8. SK-5100 (SEE PFD-002), SK-0700 LOCATE ON THE FRAME OF PK-1900

GENERAL NOTES:

1. SCOPE OF SUPPLY: VSP / VENDOR
2. SCOPE OF MODIFICATION

REV.	DES.	DATE	PREPARED: L.T. CUONG	CHECKED: L.T. CUONG	DEPT.MGR: T.M. DUC
			DC: L.T. HANG	ENG.MGR: P.H. VIET	PRO.MGR: T.D. HAI
2	IFA	31.03.26	Signed by: Lê Trung Cường Date: 31/03/2026 17:56:18 Certified by: Vietsovpetro CA	Signed by: Lê Trung Cường Date: 31/03/2026 17:56:18 Certified by: Vietsovpetro CA	Signed by: Trương Minh Đức Date: 02/04/2026 17:23:11 Certified by: Vietsovpetro CA
1	IFA	08.04.25			
0	IFA	02.01.25			

CONTROLLED

Signed by: Lê Thị Hằng
Date: 01/04/2026 14:59:43
Certified by: Vietsovpetro CA

Signed by: Phạm Hoàng Việt
Date: 03/04/2026 17:11:39
Certified by: Vietsovpetro CA

Signed by: Trần Duy Hải
Date: 03/04/2026 18:06:35
Certified by: Vietsovpetro CA

VIETSOVPETRO RESEARCH & ENGINEERING INSTITUTE

RESEARCH AND ENGINEERING INSTITUTE FOR OFFSHORE OIL AND GAS

PROJECT: GAS RECOVERY ON FSO VSP-01

DRAWING NO.: VSP01-032-TS-PR1-PFD-001

DRAWING TITLE: PROCESS FLOW DIAGRAM FOR GAS RECOVERY PACKAGE ON VSP01

SCALE: -
SHEET: 1/1
PHASE: DE

VSP01-032-TS-PR1-PFD-001_2_PFD – GAS RECOVERY PACKAGE ON VSP01

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