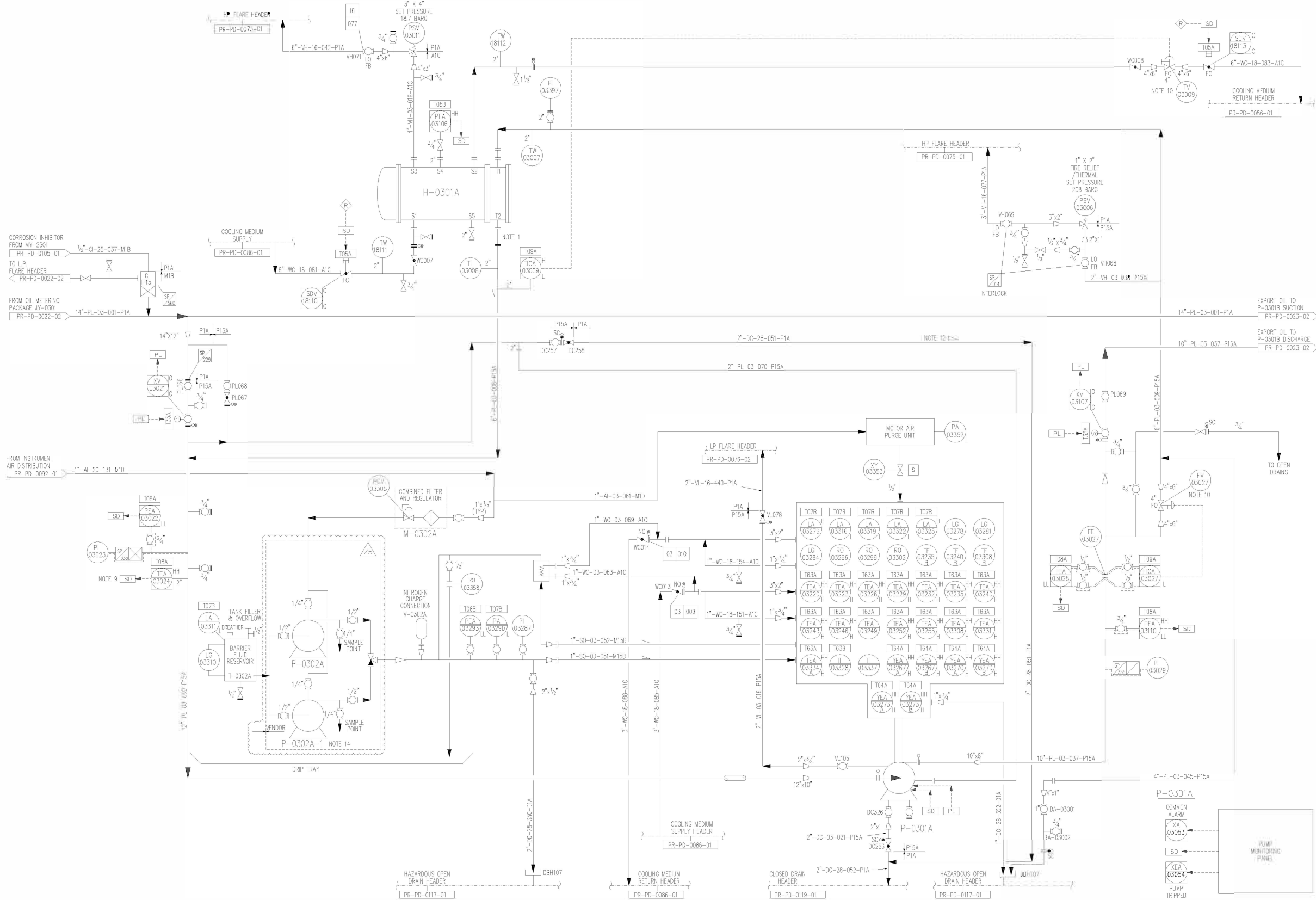


H-0301A  
OIL EXPORT PUMP RECYCLE COOLER  
DUTY : 8.96 MM KJ/HR  
PROCESS SIDE DESIGN TEMP : -10°C/110°C  
PROCESS SIDE DESIGN PRESSURE : 208 BARG  
SHELL SIDE DESIGN TEMP : -10°C/110°C  
SHELL SIDE DESIGN PRESSURE : 18.7 BARG  
SHELL SIDE V/T = VT-03-058-A1C

P-0301A NOTE 5  
OIL EXPORT PUMP  
DESIGN FLOW : 331 m<sup>3</sup>/h (EACH)  
ΔP : 82 BARG. NOTE 7  
DESIGN TEMP : -10°C/110°C  
DESIGN PRESSURE : 208 BARG.



NOTES

- SPOOL PIECES TO BE PROVIDED TO FACILITATE EXCHANGER BUNDLE REMOVAL.
- PSV/VENT INLET AND DISCHARGE PIPING IS NOT TO BE POCKETED. DISCHARGE PIPING TO SLOPE TO FLARE HEADER. MINIMUM SLOPE 50:1.
- ALL DRAIN LINES ARE TO SLOPE TOWARDS DRAIN COLLECTION HEADER.
- DELETED.
- TWO (2) OFF 100% DUTY ONE OPERATING AND ONE ON STANDBY.
- DELETED.
- DIFFERENTIAL PRESSURE SHOWN IS FOR PUMP DESIGN DUTY.
- DELETED.
- TEMPERATURE SET POINTS FOR TEA 03024 TO BE VARIED IN ACCORDANCE WITH THE PRESSURE SETTINGS OF THE 3RD STAGE SEPARATOR.
- MILLI-AMPERE INDICATOR TO BE INSTALLED ADJACENT TO VALVE.
- LOW POINT DRAIN ON PUMPS COMMON DISCHARGE
- LINE IS FREE DRAINING WITH NO POCKETS AND HAS A MINIMUM SLOPE OF 1:100.
- DELETED.
- DUEL SEAL OIL PUMP SYSTEM WITH DUTY/ STANDBY ARRANGEMENT UNDER SMOC2039.

ONLY ACTIVATED TRACE HEATING IS SHOWN ON P & ID, ALL OTHER INSTALLED TRACE HEATING IS NOT ACTIVATED AND NOT SHOWN ON P & ID.

THIS DRAWING, SCOTT-FW-0000-PR-PD-0023, WAS PRODUCED ORIGINALLY ON 02 SHEETS. WITH THE INCORPORATION OF VENDOR INFORMATION (DO-209) IT HAS BEEN REDRAWN ON 03 SHEETS.

DRG.No.	REV	TITLE	12	11	4	Z5	Z4	Z3	REV	REASON FOR ISSUE	DATE	DRN.	OKD.	BY ENG	ENG OKD.	L.E. APP'D	CNOOC APP'D
FW-0000-PR-PD-0023-02		P&ID OIL EXPORT PUMP P-0301B															
FW-0000-PR-PD-0023-03		P&ID OIL EXPORT PUMP P-0301C															
P0041-D-0001		VENDOR P&ID (P-0301A/B/C)															
P0041-D-0004		VENDOR P&ID (PY-0301A/B/C)															
		DCP 5000 AH 272 ARN 1971 (EP-206)															
		DCP 5000 ARN 1967 (EMR-038)															
		DCP 5000 AH 354 ARN 2251/3336 (EP-212)															
		DCP 5000 AH 297 ARN 2080 (EP-191)															
		DCP 5000 AH 729 ARN 3844 (EP-0128)															
		DCP 5000 AH 744 ARN 3913 (EP-239)															
		DCP 5000 AH 782 ARN 6591 (EP-227)															
		DCP 5000 AH 1054 & AH 1143															

Z2	AS BUILT FOR SIC0061	21.11.18	ppLM	LM	LM	JL	JL	TR
Z1	AS BUILT FOR SMOC1860	30.06.17	DD	LM	LM	JL	JL	TR
16	AS BUILT UNDER SEQ1493	15.04.10	DP	EM	EM	AW	NW	GL
15	AS BUILT UNDER S1227	28.07.06	MG					
14	UPDATED TO REFLECT SEQ-1080	12.12.03	GPG	SH	DB	MS		
13	AS BUILT TO INCLUDE DO-334	08.08.96	PS	GWM				
REV	REASON FOR ISSUE	DATE	DRN.	OKD.	BY ENG	ENG CKD.	L.E. APP'D	CNOOC APP'D



THIS IS A C.A.D. PRODUCED DRAWING AND SHOULD NOT BE MANUALLY MODIFIED

		<b>PIPING &amp; INSTRUMENT DIAGRAM</b> OIL EXPORT PUMP P-0301A	
DRAWING No.		SCOTT-FW-0000-PR-PD-0023-01	
PROJECT	ORIG	AREA/MOD	DISC
TYPE	SEQ. No.	SMT.	REV
SCALE		NTS	