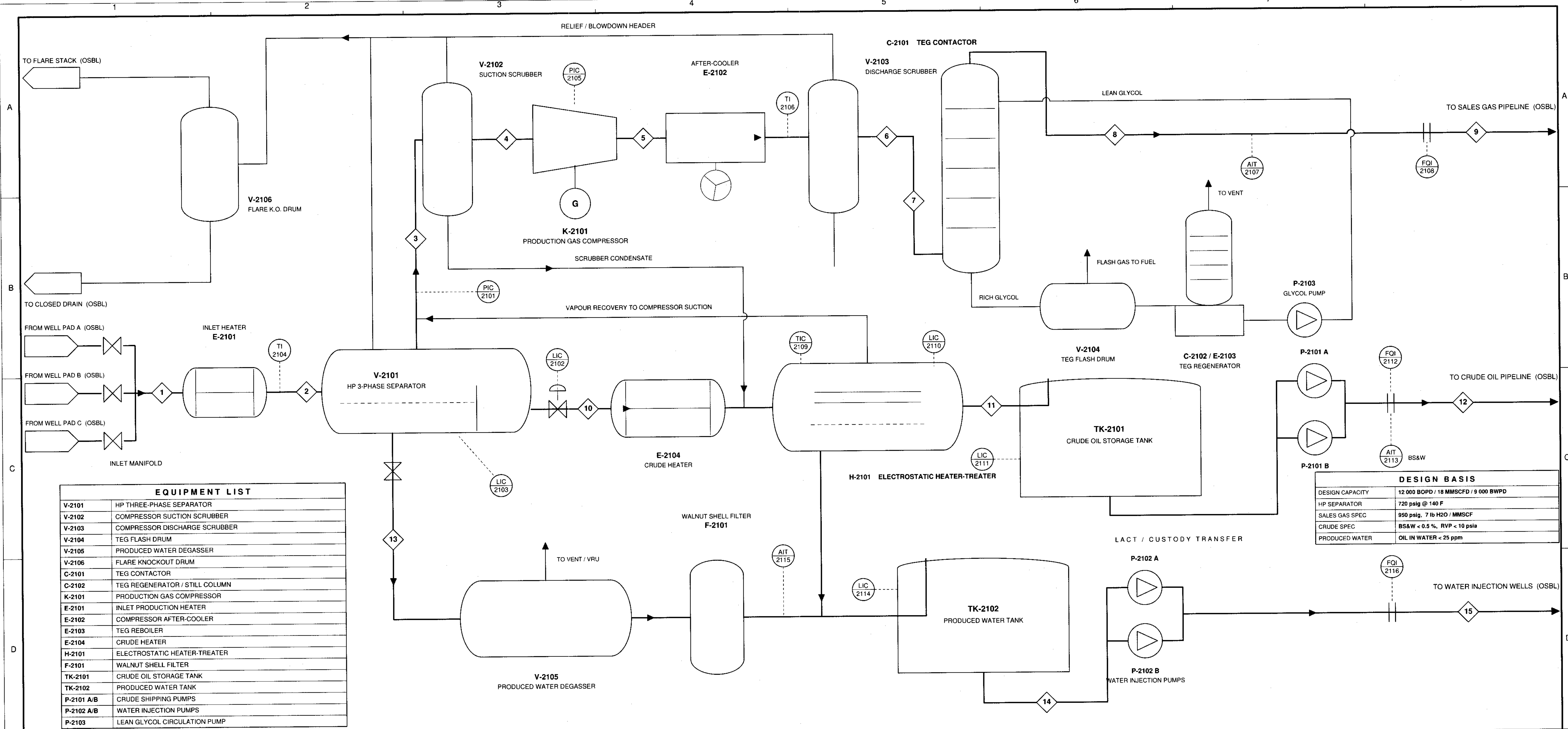




EQUIPMENT LIST	
V-2101	HP THREE-PHASE SEPARATOR
V-2102	COMPRESSOR SUCTION SCRUBBER
V-2103	COMPRESSOR DISCHARGE SCRUBBER
V-2104	TEG FLASH DRUM
V-2105	PRODUCED WATER DEGASSER
V-2106	FLARE KNOCKOUT DRUM
C-2101	TEG CONTACTOR
C-2102	TEG REGENERATOR / STILL COLUMN
K-2101	PRODUCTION GAS COMPRESSOR
E-2101	INLET PRODUCTION HEATER
E-2102	COMPRESSOR AFTER-COOLER
E-2103	TEG REBOILER
E-2104	CRUDE HEATER
H-2101	ELECTROSTATIC HEATER-TREATER
F-2101	WALNUT SHELL FILTER
TK-2101	CRUDE OIL STORAGE TANK
TK-2102	PRODUCED WATER TANK
P-2101 A/B	CRUDE SHIPPING PUMPS
P-2102 A/B	WATER INJECTION PUMPS
P-2103	LEAN GLYCOL CIRCULATION PUMP

DESIGN BASIS	
DESIGN CAPACITY	12 000 BOPD / 18 MMSCFD / 9 000 BWPD
HP SEPARATOR	720 psig @ 140 F
SALES GAS SPEC	950 psig, 7 lb H2O / MMSCF
CRUDE SPEC	BS&W < 0.5 %, RVP < 10 psia
PRODUCED WATER	OIL IN WATER < 25 ppm

LEGEND

- CENTRIFUGAL PUMP
- VESSEL / SEPARATOR / COLUMN
- GAS COMPRESSOR
- AIR-COOLED EXCHANGER
- CUSTODY TRANSFER METER RUN
- MANUAL VALVE
- CONTROL VALVE
- FIELD-MOUNTED INSTRUMENT
- DCS / SHARED DISPLAY
- STREAM NUMBER (SEE TABLE)
- OFF-SITE (OSBL) CONNECTION

NOTES

1. DEMONSTRATION DRAWING PRODUCED BY TATSOFT FOR PRODUCT DEMONSTRATION PURPOSES ONLY. IT DOES NOT REPRESENT ANY ACTUAL FACILITY, CLIENT, VENDOR PACKAGE OR DESIGN. NOT FOR CONSTRUCTION.
2. ALL FLOWS, PRESSURES AND TEMPERATURES ARE NOMINAL DESIGN VALUES. FACILITY DESIGN CAPACITY IS 12 000 BOPD, 18 MMSCFD AND 9 000 BWPD AT THE STREAM TABLE CONDITIONS. US FIELD UNITS THROUGHOUT.
3. INSTRUMENT FUNCTION LETTERS PER ISA 5.1. LOOP NUMBERS ARE UNIQUE WITHIN THIS SHEET.
4. RELIEF AND BLOWDOWN HEADER IS SHOWN SCHEMATICALLY. INDIVIDUAL RELIEF DEVICES, SET PRESSURES AND TAIL-PIPE ROUTING ARE ON THE P&IDs.
5. SPARING PHILOSOPHY IS 1 x 100 % DUTY + 1 x 100 % STAND-BY ON ALL PUMPED SERVICES.
6. STREAM NUMBERS IN DIAMONDS REFER TO THE STREAM TABLE ON THIS SHEET.

STREAM No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DESCRIPTION	WELLHEAD PRODUCTION	COMMINGLED FEED TO SEPARATOR	SEPARATOR GAS	COMPRESSOR SUCTION	COMPRESSOR DISCHARGE	COOLED GAS TO SCRUBBER	WET GAS TO TEG CONTACTOR	DRY GAS FROM CONTACTOR	SALES GAS TO PIPELINE	SEPARATOR OIL TO TREATER	TREATED CRUDE TO STORAGE	CRUDE TO PIPELINE	SEPARATOR WATER TO DEGASSER	TREATED WATER TO PUMPS	INJECTION WATER TO WELLS
PHASE	G+O+W	G+O+W	GAS	GAS	GAS	GAS	GAS	GAS	GAS	O+W	OIL	OIL	WATER	WATER	WATER
GAS, MMSCFD	18.0	18.0	17.4	18.1	18.1	18.1	18.0	18.0	18.0	-	-	-	0.05	-	-
OIL, BOPD	12 000	12 000	-	-	-	-	-	-	-	12 150	12 000	12 000	-	-	-
WATER, BWPD	9 000	9 000	-	-	-	-	-	-	-	400	60	60	8 950	9 290	9 290
PRESSURE, psig	780	730	720	710	990	975	965	958	950	55	15	285	45	20	1 850
TEMPERATURE, F	95	140	140	120	265	120	118	122	120	140	130	105	140	125	125

REV	DATE	DESCRIPTION	BY	CHK	APP
B	2026-08-13	ISSUED FOR DEMONSTRATION	EB	-	-
A	2026-07-30	ISSUED FOR INTERNAL REVIEW	EB	-	-
TATSOFT FrameworkX Industrial Platform					
DEMONSTRATION DRAWING - NOT FOR CONSTRUCTION					
CENTRAL PRODUCTION FACILITY TRAIN A - SEPARATION, COMPRESSION AND DEHYDRATION PROCESS FLOW SCHEME					
SCALE NONE		UNITS US FIELD		DATE 2026-08-13	
DRAWING No. PFS-2100-001		REV. B		SHEET 1 OF 1	