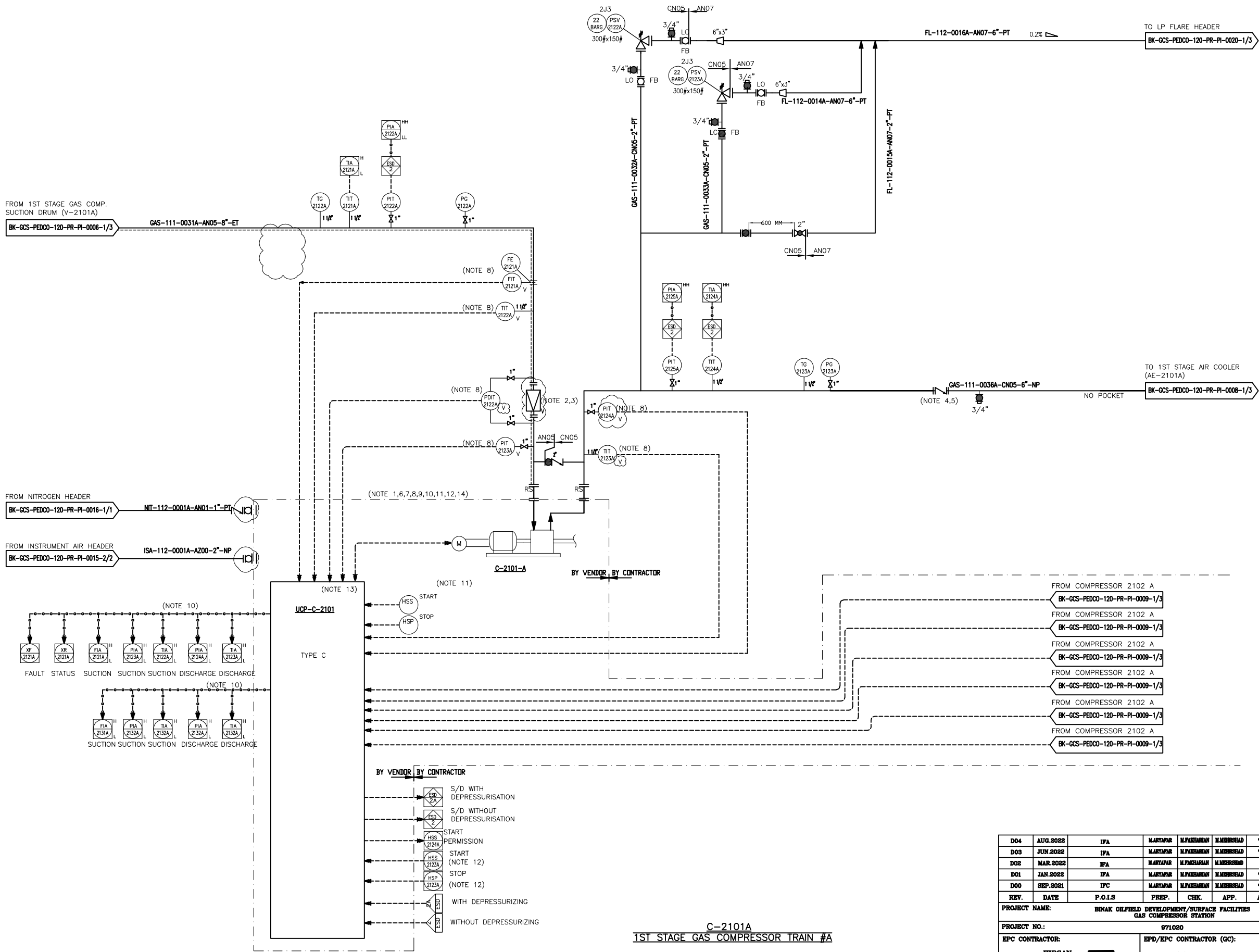




C-2101A
1ST STAGE GAS COMPRESSOR TRAIN #A

RATED CAPACITY : 8924 kg/hr
DESIGN TEMP. : 150 °C
DESIGN PRESS. : 22 barg
(1 X 100%)

NOTES

- 1- COMPRESSOR PACKAGE WILL BE FINALIZED BY VENDOR.
- 2- STRAINER TO BE MIN. DISTANCE FROM COMPRESSOR INLET NOZZLE.
- 3- STRAINER TO BE REMOVABLE WITHOUT BREAKING PIPING ALIGNMENT.
- 4- CON TYPE SUITABLE FOR COMPRESSOR SERVICE.
- 5- LOCATE AS CLOSE TO C-2101A OUTLET FLANGE AS POSSIBLE.
- 6- CONTROL OF COMPRESSOR PACKAGE WILL BE FINALIZED BY VENDOR.
- 7- COMPRESSOR VENDOR TO CONFIRM REQUIREMENT FOR HOT GAS BY-PASS.
- 8- SHALL BE PROVIDED BY COMPRESSOR VENDOR.
- 9- PULSATION DAMPERS ARE REQUIRED ON DISCHARGE OF EACH STAGE.
- 10- REDUNDANT SERIAL LINK SHALL BE CONSIDERED BETWEEN UCP AND DCS. QUANTITIES OF SIGNALS WILL BE FINALIZED LATER. UCP WILL BE CONNECTED TO ESD VIA HARD WIRE
- 11- LCP SHALL BE PROVIDED AS PER COMPRESSOR DATA SHEET BY VENDOR.
- 12- STOP/START SEQUENCE LOGIC SHALL BE IMPLEMENTED BY COMMON COMPRESSOR UCP LOCATED ON CONTROL BUILDING.
- 13- COMMON UCP FOR ALL TRAIN TO BE PROVIDED BY VENDOR FOR CONTROL SAFETY PURPOSE.
- 14- SIL 3 REQUIREMENT TO BE CONSIDERED FOR SAFETY LOOP. BY COMPRESSOR VENDOR.
MCC BY CONTRACTOR DURING DESIGN (SIL STUDY OF PACKAGE IS BY VENDOR)

LEGEND

V : PROVIDE BY COMPRESSOR VENDOR

REFERENCE DRAWING

Process Flow Diagram	DRG. No.
Symbol & Legend For PFD and P&ID	BK-GCS-PEDCO-120-PR-PF-0001

KEY PLAN

DD4	AUG.2022	IFA	MARYAPAR	M.PAKHARABIAN	M.MOHSESHAD	00.00													
DD3	JUN.2022	IFA	MARYAPAR	M.PAKHARABIAN	M.MOHSESHAD	00.00													
DD2	MAR.2022	IFA	MARYAPAR	M.PAKHARABIAN	M.MOHSESHAD	00.00	000	0000000000	00.00	000.0000	00.00	000.0000							
DD1	JAN.2022	IFA	MARYAPAR	M.PAKHARABIAN	M.MOHSESHAD	00.00							BY	DATE	BY DATE				
DD0	SEP.2021	IPC	MARYAPAR	M.PAKHARABIAN	M.MOHSESHAD	00.00	REV.	DESCRIPTION		CHECKED		REV.	APPR.						
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	اصول و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.												
PROJECT NAME:							BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION											THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS	
PROJECT NO.:							971020												
EPC CONTRACTOR:							EPD/EPC CONTRACTOR (GC):									BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION			
																			
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES							PEDCO									PETROIRAN DEVELOPMENT COMPANY			
																DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.			
DRAWING TITLE:							NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED												
P&ID - 1st Stage Gas Compression Compressors							APPROVED FOR CONSTRUCTION									BY:		DATE:	
SCALE	SIZE	DRAWING NO.				SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION					
NS	A3	BK-GCS-PEDCO-120-PR-PI-0007				1 OF 3	D04	053-073-9184	F	2	A	708785	1 OF 3	D04					

(VENDOR TITLE BLOCK)**

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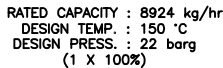
- NOTES**
- 1- COMPRESSOR PACKAGE WILL BE FINALIZED BY VENDOR.
 - 2- STRAINER TO BE MIN. DISTANCE FROM COMPRESSOR INLET NOZZLE.
 - 3- STRAINER TO BE REMOVABLE WITHOUT BREAKING PIPING ALIGNMENT.
 - 4- CON TYPE SUITABLE FOR COMPRESSOR SERVICE.
 - 5- LOCATE AS CLOSE TO C-2101A OUTLET FLANGE AS POSSIBLE.
 - 6- POSITION OF COMPRESSOR PACKAGE WILL BE FINALIZED BY VENDOR.
 - 7- COMPRESSOR VENDOR TO CONFIRM REQUIREMENT FOR HOT GAS BY-PASS.
 - 8- PUMP BE PROVIDED BY COMPRESSOR VENDOR.
 - 9- PULSATION DAMPERS ARE REQUIRED ON DISCHARGE OF EACH STAGE.
 - 10- REDUNDANT SERIAL LINK SHALL BE CONSIDERED BETWEEN UCP AND DC. QUANTITIES OF SIGNALS WILL BE FINALIZED LATER. UCP WILL BE CONNECTED TO ESD VIA HARD WIRE
 - 11- LCP SHALL BE PROVIDED AS PER COMPRESSOR DATA SHEET BY VENDOR.
 - 12- STOP/START SEQUENCE LOGIC SHALL BE IMPLEMENTED BY COMMON COMPRESSOR UCP LOCATED ON CONTROL BUILDING.
 - 13- COMMON UCP FOR ALL TRAIN TO BE PROVIDED BY VENDOR FOR CONTROL SAFETY PURPOSE.
 - 14- SIL 3 REQUIREMENT TO BE CONSIDERED FOR SAFETY LOOP. BY COMPRESSOR VENDOR.
- MCC BY CONTRACTOR DURING DESIGN (SIL STUDY OF PACKAGE IS BY VENDOR)

LEGEND

V : PROVIDE BY COMPRESSOR VENDOR

REFERENCE DRAWING	DRG. No.
Process Flow Diagram	BK-GCS-PEDCO-120-PR-PF-0001
Symbol & Legend For PFD and P&ID	BK-GCS-PEDCO-120-PR-PF-0001

KEY PLANS



RATED CAPACITY : 8924 kg/hr
DESIGN TEMP. : 150 °C
DESIGN PRESS. : 22 barg
(1 X 100%)

[illegible]

- ### LEGEND

V : PROVIDE BY COMPRESSOR VENDOR

REFERENCE DRAWING	DRG. No.
Process Flow Diagram	BK-GCS-PEDCO-120-PR-PF-0001
Symbol & Legend For PFD and P&ID	BK-GCS-PEDCO-120-PR-PF-0001

KEY PLAN