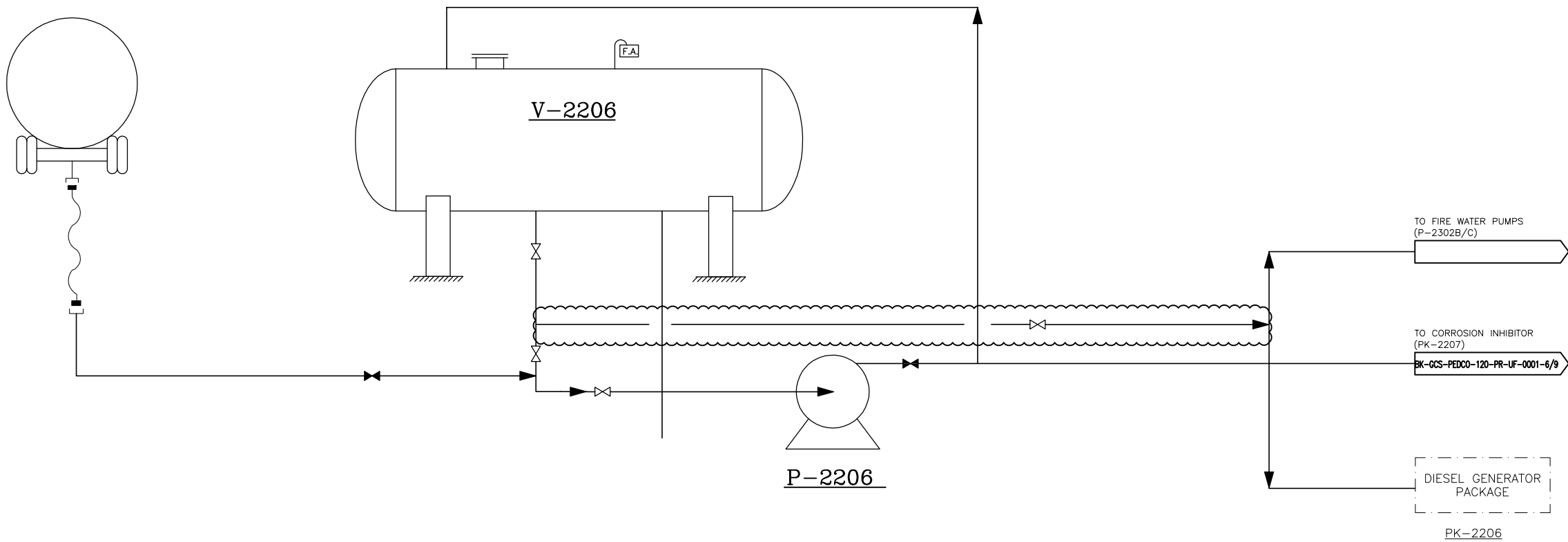


V-2206 (NOTE 1)
DIESEL OIL DRUM
WORKING CAPACITY : 25.8 m³
OPERATING TEMP. : AMB.
OPERATING PRESS. : ATM



P-2206 A/B
DIESEL PUMP
WORKING CAPACITY : 5 m³/hr
OPERATING TEMP. : AMB.
DIFFERENTIAL PRESS. : 2 bar

NOTES
1- DIESEL OIL COMPONENTS IS SHOWN IN DOCUMENT "PROCESS BASIS OF DESIGN - BK-GNRAL-HD-000-PR-DB-0001".

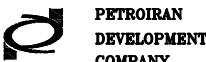
LEGEND

REFERENCE DRAWING	DRG. No.
Symbol & Legend For PFD & P&ID	BK-GCS-PEDCO-120-PR-P1-0001

KEY PLAN

D05	OCT.2023	IPA	MARYAPAR	M.PAKHMAN	M.PAKHMANPOUR	00.00
D04	JAN.2023	IPA	MARYAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D03	AUG.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D02	MAR.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D01	DEC.2021	IPA	MARYAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D00	OCT.2021	IPC	MARYAPAR	M.PAKHMAN	M.MEHRSHAD	00.00

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PROJECT NAME:		BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION				
PROJECT NO.:		971020				
EPC CONTRACTOR:		EPD/EPC CONTRACTOR (GC):				
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES		 PETROIRAN DEVELOPMENT COMPANY				

BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION						
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
APPROVED FOR CONSTRUCTION			BY:	DATE:		
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION
NS	AS	BK-GCS-PEDCO-120-PR-UF-0001	1 OF 9	D05	053-073-0184	F

(VENDOR TITLE BLOCK)**

NORMAL CAPACITY (DRY BASIS) : 173 Nm³/hr
DIFFERENTIAL PRESS. : 9 bar

OPERATING CAPACITY (DRY BASIS) : 143 Nm³/hr
OPERATING TEMP. : 65 °C
OPERATING PRESS. : 9 barg

OPERATING TEMP. : 65 °C
OPERATING PRESS. : 8 barg



65	
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اصل و کلیه نسخ این نقشه و حق اقتباسی متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.

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PK-C-2204
AIR COMPRESSOR PACKAGE

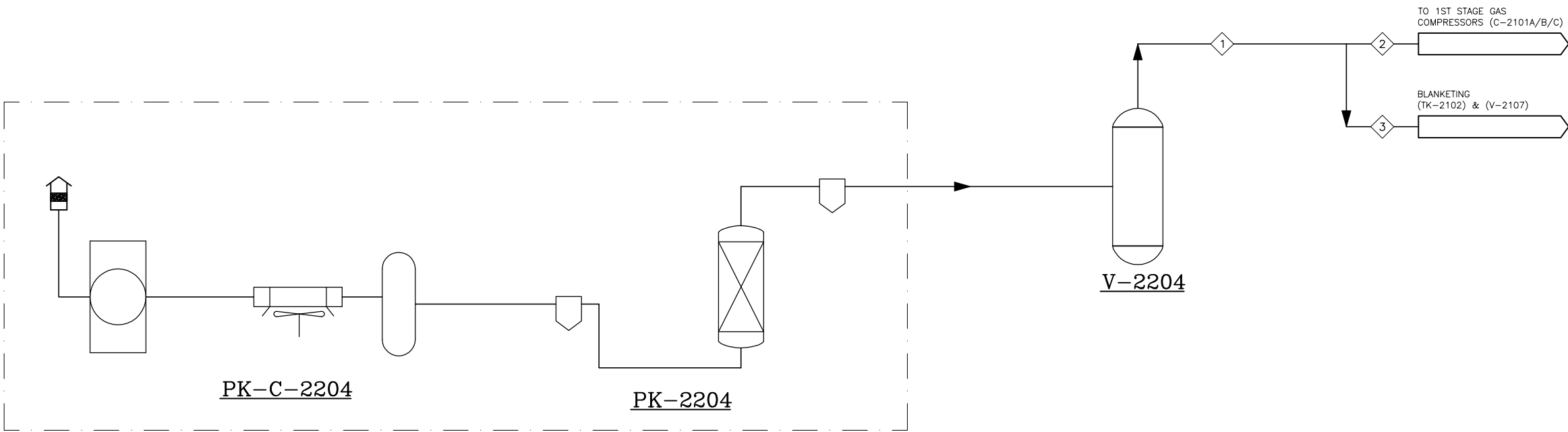
COMPRESSOR CAPACITY (DRY BASIS) : 124 Nm³/hr
OPERATING PRESS. : 9 barg

PK-G-2204
NITROGEN PACKAGE

NORMAL CAPACITY :31 Nm³/hr
OPERATING PRESS. : 8 barg

V-2204
NITROGEN RECEIVER

OPERATING TEMP. : 60 °C
OPERATING PRESS. : 8 barg



STREAM NO.	1	2	3
FLOW RATE (Nm ³ /hr)	31	18	13
PRESSURE (barg)	8	8	8
TEMPERATURE (°C)	60	60	60
DENSITY (kg/m ³)	8.65	8.65	8.65

NOTES

LEGEND

REFERENCE DRAWING

DRG. No.

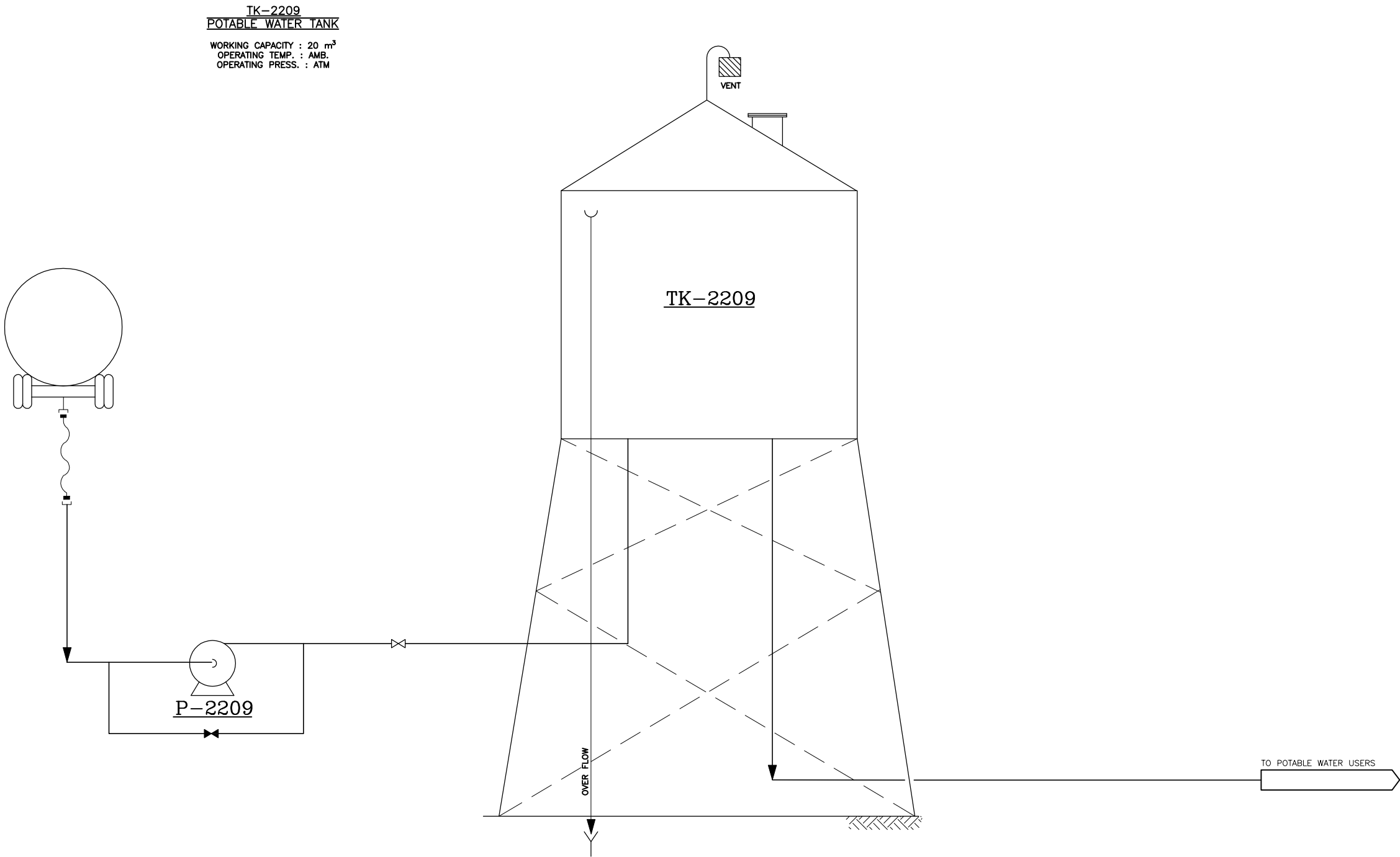
Symbol & Legend For PFD & P&ID

BK-GCS-PEDCO-120-PR-P1-0001

KEY PLAN

D05	OCT.2023	IPA	MARYAPAR	M.PAKHMAN	M.PAKHMANPOUR	00.00											
D04	JAN.2023	IPA	MARYAPAR	M.PAKHMAN	M.MEHREZAD	00.00											
D03	AUG.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHREZAD	00.00											
D02	MAR.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHREZAD	00.00	000	*****	00.00	000.0000	00.00	000.0000					
D01	DEC.2021	IPA	MARYAPAR	M.PAKHMAN	M.MEHREZAD	00.00											
D00	OCT.2021	IPC	MARYAPAR	M.PAKHMAN	M.MEHREZAD	00.00	REV.	DESCRIPTION		BY	DATE	BY	DATE				
										CHECKED		REV.	APPR.				
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	اصل و کلیه نسخ این نقشه و جزئیات متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.										
PROJECT NAME:							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			 PETROIRAN DEVELOPMENT COMPANY														
DATE		SCALE	DRAWING BY		CHECKED BY		PROJECT ENG.										
DRAWING TITLE:							NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED										
Utility Flow Diagrams (UFD) Nitrogen (PK-2204)							APPROVED FOR CONSTRUCTION			BY:		DATE:					
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION				
NS	AS	BK-GCS-PEDCO-120-PR-UF-0001			3 OF 9	D05	053-073-9184	F	2	A	708778	3 OF 9	D05				

(VENDOR TITLE BLOCK)**



NOTES

LEGEND

REFERENCE DRAWING	DRG. No.
Symbol & Legend For PFD & P&ID	BK-GCS-PEDCO-120-PR-P1-0001

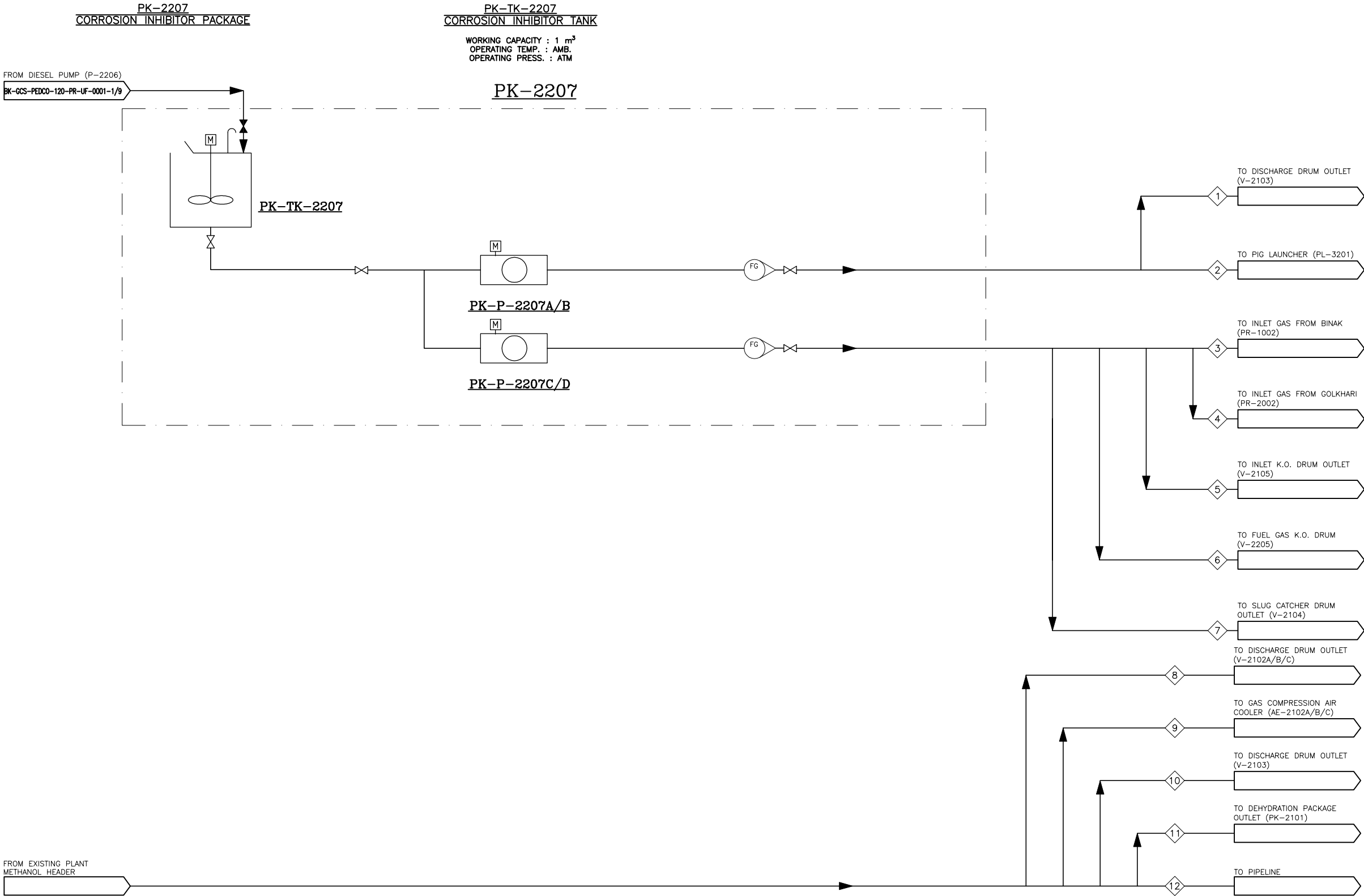
KEY PLAN

D05	OCT.2023	IPA	M.ARTAPAR	M.PAKHMAN	M.FARMAKPOUR	00.00										
D04	JAN.2023	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRESHAD	00.00										
D03	AUG.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRESHAD	00.00										
D02	MAR.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRESHAD	00.00	000	*****	00.00	000,0000	00.00	000,0000				
D01	DEC.2021	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRESHAD	00.00	REV.	DESCRIPTION	BY DATE BY DATE							
D00	OCT.2021	IPC	M.ARTAPAR	M.PAKHMAN	M.MEHRESHAD	00.00			CHECKED REV. APPR.							
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	اصل و کلیه نسخ این نقشه و جزئیات منطبق به شرکت ملی مناطق نفت خیز جنوب میباشد.									
PROJECT NAME:							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			 PETROIRAN DEVELOPMENT COMPANY													
DRAWING TITLE:							BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION									
UTILITY FLOW DIAGRAMS (UFD) Potable Water System							NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED									
SCALE SIZE DRAWING NO. SHEET NO. REV.							APPROVED FOR CONSTRUCTION				BY:		DATE:			
NS AS BK-GCS-PEDCO-120-PR-UF-0001 5 OF 9 D05							BUDGET REF.		LOCATION		SIZE	CLASS	SERIAL NO.		SHEET	REVISION
							053-073-0184		F		2	A 708778		5 OF 9 D05		

P-2209
POTABLE WATER PUMP

WORKING CAPACITY : 5 m³/hr
DIFFERENTIAL PRESS. : 2 bar

(VENDOR TITLE BLOCK)**



STREAM NO.	1	2	3	4	5	6	7
FLOW RATE (lit/hr)	1.001	1.00	0.35	0.68	1.03	0.03	0.68

STREAM NO.	8	9	10	11	12
FLOW RATE (lit/hr)	15.159	43.001	53.319	60.249	15.033

PK-P-2207A/B/C/D (NOTE 1)
CORROSION INHIBITOR PUMP

HIGH PRESS. WORKING FLOWRATE : 2.0 lit/hr
HIGH PRESS. DISCHARGE PRESS. : 62 barg
LOW PRESS. WORKING FLOWRATE : 2.8 lit/hr
LOW PRESS. DISCHARGE PRESS. : 9 barg

D05	OCT.2023	IPA	MARYAPAR	M.PAKHMAN	M.PAKHMANPOUR	00.00
D04	JAN.2023	IPA	MARYAPAR	M.PAKHMAN	M.MEHREZAD	00.00
D03	AUG.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHREZAD	00.00
D02	MAR.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHREZAD	00.00
D01	DEC.2021	IPA	MARYAPAR	M.PAKHMAN	M.MEHREZAD	00.00
D00	OCT.2021	IPC	MARYAPAR	M.PAKHMAN	M.MEHREZAD	00.00
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME:		BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION	
PROJECT NO.:		971020	
EPC CONTRACTOR:		EPD/EPC CONTRACTOR (GC):	
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES		  PETROIRAN DEVELOPMENT COMPANY	

NOTES

1- OPERATING INJECTION PRESSURE WILL BE FINALIZED AFTER RECEIVING VENDOR DATA.

LEGEND

REFERENCE DRAWING	DRG. No.
Symbol & Legend For PFD & P&ID	BK-GCS-PEDCO-120-PR-P1-0001

KEY PLAN

اسم و کلیه نسخ این نقشه و حق آذینگی متعلق به شرکت ملی مناطق نفت خیز جنوب میباشند.
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BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION					
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	
NO CONSTRUCTION PERMITTED			UNLESS DRAWING APPROVED		
APPROVED FOR CONSTRUCTION			BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET REVISION
053-073-9184	F	2	A	708778	6 OF 9 D05

V-2201
LP FLARE K.O. DRUM
OPERATING TEMP. : 32 °C
OPERATING PRESS. : 0.5 barg

SU-2201
LP FLARE K.O. DRUM AND CLOSED DRAIN
DRUM SUMP

PK-2201

FROM FUEL GAS K.O. DRUM
(V-2205)

BK-GCS-PEDCO-120-PR-UF-0001-8/8

IGNITION PACKAGE

SPARK
GENERATOR

PILOT GAS

FROM FLARE HEADER

V-2201

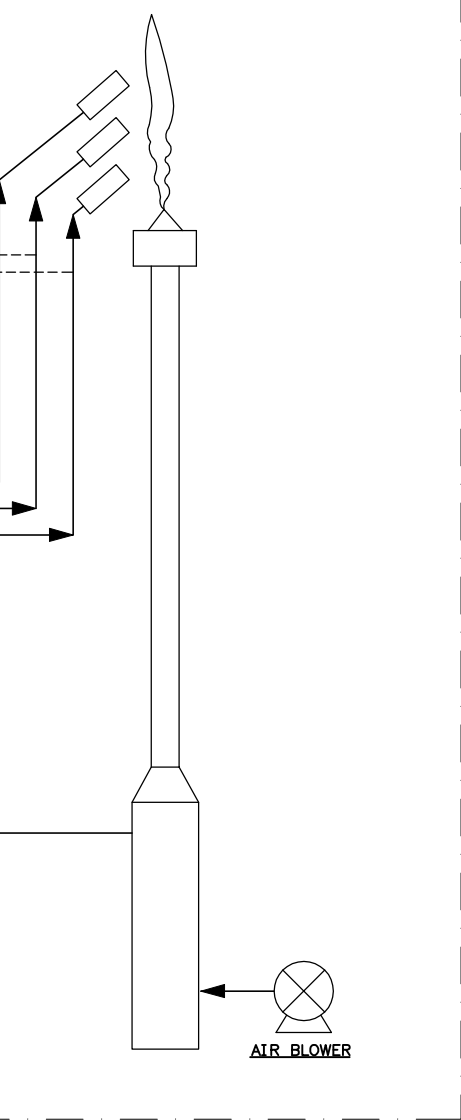
(NOTE 2)

P-2201A/B

(NOTE 1)

SU-2201

AIR BLOWER



NOTES

- 1- FLARE K.O. DRUM, CLOSED DRAIN AND RELATED PUMPS ARE IN COMMON PIT.
2- PHYSICAL CONDITION OF FLUID IS:
- DENSITY = 980 kg/m³
- VISCOSITY = 0.46 cP

LEGEND

REFERENCE DRAWING

DRG. No.

Symbol & Legend For PFD & P&ID

BK-GCS-PEDCO-120-PR-P1-0001

KEY PLAN

P-2201 A/B
LP FLARE K.O. DRUM PUMP

WORKING CAPACITY : 2 m³/hr
DIFFERENTIAL PRESS. : 1.5 bar

D05	OCT.2023	IPA	MARYAPAR	M.PAKHMAN	M.PAKHMANPOUR	00.00
D04	JAN.2023	IPA	MARYAPAR	M.PAKHMAN	M.MEHRESHAD	00.00
D03	AUG.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHRESHAD	00.00
D02	MAR.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHRESHAD	00.00
D01	DEC.2021	IPA	MARYAPAR	M.PAKHMAN	M.MEHRESHAD	00.00
D00	OCT.2021	IPC	MARYAPAR	M.PAKHMAN	M.MEHRESHAD	00.00

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES
GAS COMPRESSOR STATION
PROJECT NO.: 971020

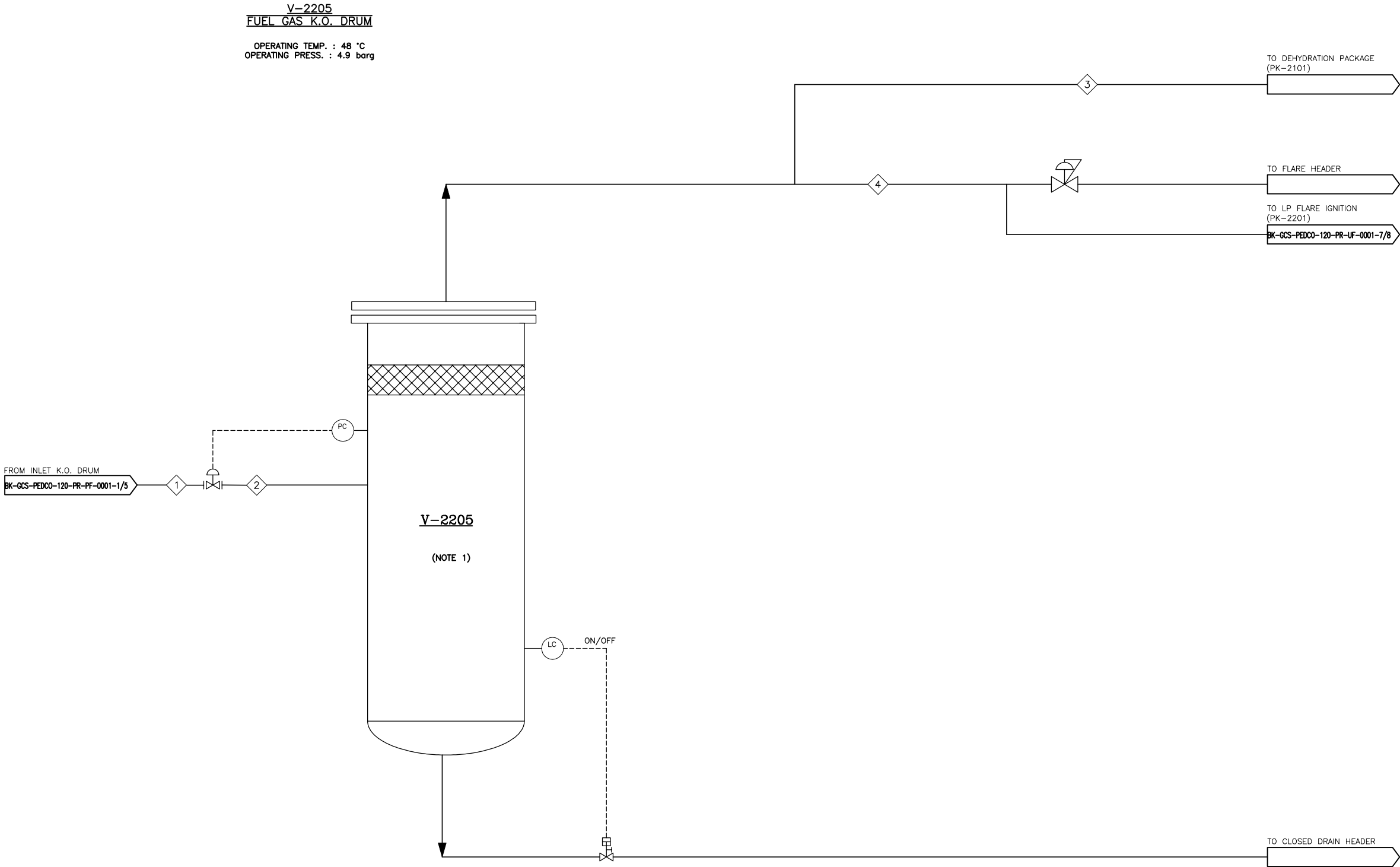
EPC CONTRACTOR:	EPD/EPC CONTRACTOR (GC):
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES	 PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: Utility Flow Diagrams (UFD)
LP Flare Package (PK-2201)

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
NS	AS	BK-GCS-PEDCO-120-PR-UF-0001	7 OF 9	D05

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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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APPROVED FOR CONSTRUCTION		BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.
053-073-0184	F	2	A	708778
SHEET		REVISION		
7 OF 9		D05		



STREAM NO.	1	2	3	4
FLOW RATE (kg/hr)	505.8	505	480	26
PRESSURE (barg)	5.1	4.9	4.9	4.9
TEMPERATURE (°C)	36.9	36.7	36.7	33.6
DENSITY (kg/m³)	5.96	5.77	5.77	1.46

NOTES

1- FUEL GAS COMPONENT IS SHOWN IN DOCUMENT "PROCESS FLOW DIAGRAM - BK-GCS-PEDCO-120-PR-PF-0001".

LEGEND	

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

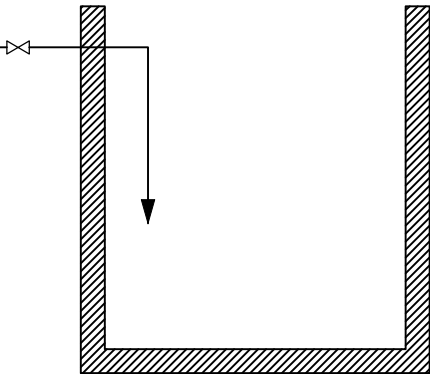
KEY PLAN

D05	OCT.2023	IPA	MARYAPAR	M.PAKHMAN	M.PAKHMANPOUR	00.00														
D04	JAN.2023	IPA	MARYAPAR	M.PAKHMAN	M.MEHRESHAH	00.00														
D03	AUG.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHRESHAH	00.00														
D02	MAR.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHRESHAH	00.00	000	0000000000	00.00	000.0000	00.00			000.0000						
D01	DEC.2021	IPA	MARYAPAR	M.PAKHMAN	M.MEHRESHAH	00.00	REV.	DESCRIPTION	BY DATE BY DATE											
D00	OCT.2021	IPC	MARYAPAR	M.PAKHMAN	M.MEHRESHAH	00.00			CHECKED REV. APPR.											
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	اصل و کاپیه نسخ این نقشه و حق انحصاری معطای به شرکت ملی منابع نفت عزیز جنوب میبایست													
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION							THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREON ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS													
PROJECT NO.: 971020																				
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):																	
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY																	
			BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION																	
DATE		SCALE		DRAWING BY		CHECKED BY		PROJECT ENG.												
DRAWING TITLE: Utility Flow Diagrams (UFD) Fuel Gas System							NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED													
APPROVED FOR CONSTRUCTION							BY:				DATE:									
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION							
NS	AS	BK-GCS-PEDCO-120-PR-UF-0001			6 OF 9	D05	053-073-0184	F	2	A	708778	6 OF 9	D05							

SU-2202
OILY WATER SUMP
WORKING CAPACITY : 32.4 m³

FROM OILY WATER HEADER

NNF



SU-2202

D05	OCT.2023	IPA	MARYAPAR	M.PAKHMAN	#PARHAMPOUR	00.00							
D04	JAN.2023	IPA	MARYAPAR	M.PAKHMAN	M.MEHRESHAD	00.00							
D03	AUG.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHRESHAD	00.00							
D02	MAR.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHRESHAD	00.00	000	0000000000	00.00	000.0000	00.00	000.0000	
D01	DEC.2021	IPA	MARYAPAR	M.PAKHMAN	M.MEHRESHAD	00.00	REV.	DESCRIPTION	BY	DATE	BY	DATE	
D00	OCT.2021	IPC	MARYAPAR	M.PAKHMAN	M.MEHRESHAD	00.00			CHECKED	REV. APPR.			
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	اصل و کاپیه نسخ این نقشه و حق انحصاری معطای به شرکت ملی نفت ایران جنوب میبایست						
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION							THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREON ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS						
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):				BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION						
 HIRGAN ENERGY  TE HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PEDCO PETROIRAN DEVELOPMENT COMPANY										
DRAWING TITLE: Utility Flow Diagrams (UFD) Fuel Gas System							NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
SCALE SIZE DRAWING NO. SHEET NO. REV.							APPROVED FOR CONSTRUCTION			BY:		DATE:	
NS AS BK-GCS-PEDCO-120-PR-UF-0001 9 OF 9 D05							BUDGET REF. LOCATION SIZE CLASS			SERIAL NO.		SHEET REVISION	
							053-073-0184 F 2 A			708778		9 OF 9 D05	

NOTES

LEGEND

REFERENCE DRAWING

DRG. No.

Symbol & Legend For PFD & P&ID

BK-GCS-PEDCO-120-PR-P1-0001

KEY PLAN