

22		A0	
REFERENCE DRAWINGS		DWG. NUMBER	
P&I DIAGRAM		9K-GCS-HY-120-PR-P1-0001-V04	
INSTRUMENT DATASHEET/ CERTIFICATES		9K-GCS-HY-120-IN-DS-0001-V02	

Note :

Legend :	G
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	J
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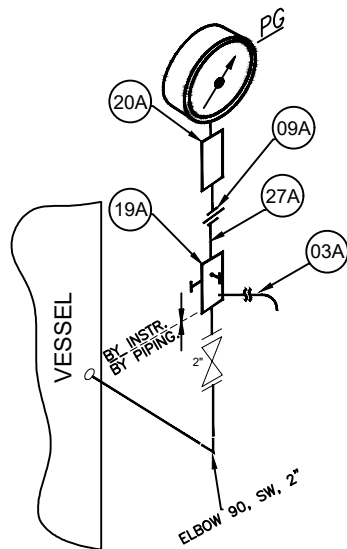


REFERENCE DRAWINGS	DWG. NUMBER
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INSTRUMENT DATASHEET/ CERTIFICATES	BK-GCS-HY-120-IN-GS-0001-V02

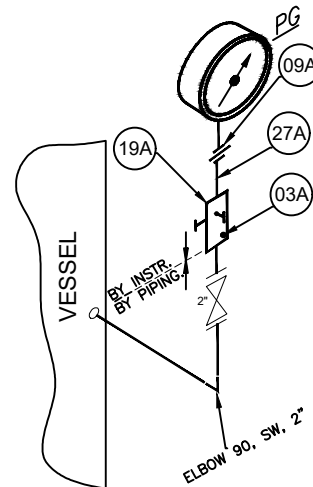
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Legend :

REV.	DATE	BY	DATE	REV.	DATE	BY	DATE
V02	OCT 2024	IPR	HEAVYAIR Co.	M.FAKHREMAN	M.SADEGHIAN		
V01	MAY 2024	IPR	HEAVYAIR Co.	M.FAKHREMAN	M.SADEGHIAN		
V00	APR 2024	IPR	HEAVYAIR Co.	M.FAKHREMAN	A.M.NOCHSENI		
REV.	DATE	P.O.I.	PREP.	CHK.	APP.	AUT.	
PROJECT NAME: BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES							
PROJECT NO.: -----							
EPC CONTRACTOR: HURGAN ENERGY - DESIGN & INSPECTION COMPANIES				EPC/EPD CONTRACTOR: PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: HOOK UP DRAWING				NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED			
SCALE: N.T.S.C. A3				DRAWING NO. BK-GCS-HY-120-IN-DW-0007			
SHEET NO. 02 OF 18				REV. V02			
BUDGET REP.				LOCATION			
SIZE CLASS				SERIAL NO.			
SHEET				REVISION			



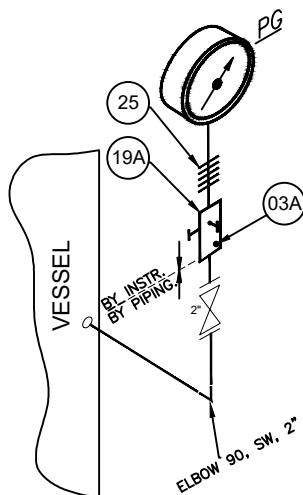
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PG-2193A/B/C	3	FLUID: SOUR GAS



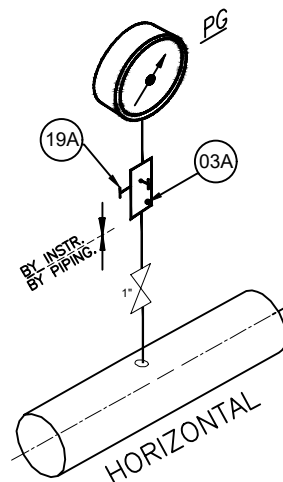
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ITEM	QTY	SIZE OR CONNECTION	DESCRIPTION	Rating Class	MATERIAL	TOTAL QTY.	REMARK
03A	4	1/2" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	AISI 316SS	9	NACE MATERIAL
09A	1	1/2" O.D	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	AISI 316SS	12	NACE MATERIAL
19A	1	2x1/2"NPTF + 1/4"NPTF	MANIFOLD, 3 WAY 2 VALVE	#6000	AISI 316SS	9	NACE MATERIAL
20A	1	1/2"NPTM x 1/2"NPTF	OVER RANGE PROTECTION	#6000	AISI 316SS	6	NACE MATERIAL
27A	1	1/2"NPTM x 1/2"NPTM	NIPPLE	#6000	AISI 316SS	9	NACE MATERIAL

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
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Tag Number	Quantity	Remark
PG-2194A/B/C	3	FLUID: SOUR GAS



Tag Number	Quantity	Remark
PG-2205A/B/C	3	FLUID: SOUR GAS



ITEM	QTY	SIZE OR CONNECTION	DESCRIPTION	Rating Class	MATERIAL	TOTAL QTY.	REMARK
19A	1	2x1/2"NPTF + 1/4"NPTF	MANIFOLD, 3 WAY 2 VALVE	#6000	AISI 316SS	6	NACE MATERIAL
25	1	1/2" NPTF x 1/2" NPTM	COOLING ELEMENT	#6000	AISI 316SS	3	NACE MATERIAL
03A	1	1/4"NPTM	HEX HEAD PLUG	#6000	AISI 316SS	6	NACE MATERIAL



REV. DATE		P.O.I.		PREP.	CHK.	APP.	AUT.
V02 OCT 2024		IFR		IRSAVYAR Ch	MFARHAMAN	M SADEGHIAN	
V01 MAY 2024		IFR		IRSAVYAR Ch	MFARHAMAN	M SADEGHIAN	
V00 APR 2024		IFR		IRSAVYAR Ch	MFARHAMAN	A.M MOHSENI	
PROJECT NAME: HINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES							
EPC CONTRACTOR:				EPC/BPD CONTRACTOR:			
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES				 PETROIRAN DEVELOPMENT COMPANY			
DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.							
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED							
APPROVED FOR CONSTRUCTION BY: DATE:							
SCALE		DRAWING NO.		SHEET NO.		REV.	
N.T.S.C. A3		BK-OCB-HY-120-IN-DW-0007		06 OF 18		V02	
BUDGET REF.		LOCATION		SIZE CLASS		SERIAL NO. SHEET	

REFERENCE DRAWINGS	DWG. NUMBER
P&ID DIAGRAM	BK-GCS-HY-120-PR-PI-0001-V04
INSTRUMENT DATASHEET/ CERTIFICATES	BK-GCS-HY-120-IN-DS-0001-V02

Note :

Legend :

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

HINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES

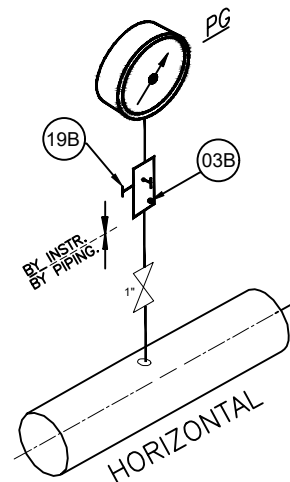
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NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

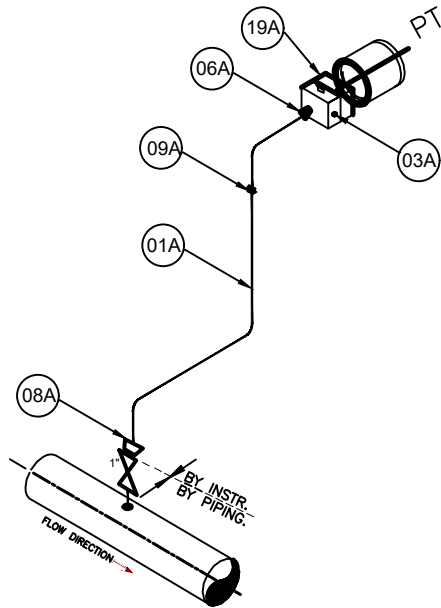
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N.T.S.C. A3 BK-OCB-HY-120-IN-DW-0007 06 OF 18 V02



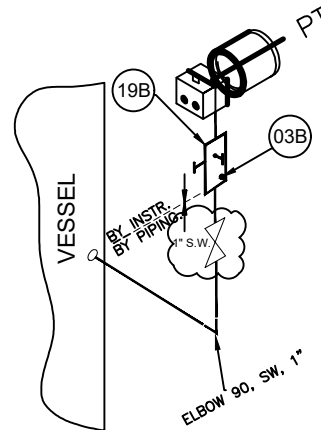
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PG-2201A/B/C	3	FLUID: OIL
PG-2202A/B/C	3	FLUID: OIL
PG-2204A/B/C	3	FLUID: OIL
PG-2208A/B/C	3	FLUID: WATER

[illegible]



Tag Number	Quantity	Remark
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PT-2124A/B/C	3	FLUID: SOUR GAS
PT-2133A/B/C	3	FLUID: SOUR GAS
PT-2132A/B/C	3	FLUID: SOUR GAS

V 02



Tag Number	Quantity	Remark
PT-2200A/B/C	3	FLUID: OIL

ITEM	QTY	SIZE OR CONNECTION	DESCRIPTION	Rating Class	MATERIAL	TOTAL QTY.	REMARK
19A	1	2x1/2"NPTF + 1/4"NPTF	MANIFOLD,3 WAY 2 VALVE	#6000	ISI 316SS	12	NACE MATERIAL
08A	1	1/2" NPTFx 1/2" O.D.	DOUBLE FERRULE COMPRESSION TYPE FEMALE CONNECTOR	#6000	ISI 316SS	12	NACE MATERIAL
01A	4	1/2" O.D.	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	ISI 316SS	48m	NACE MATERIAL
09A	1	1/2" O.D.	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	ISI 316SS	12	NACE MATERIAL
06A	1	1/2" NPTM x 1/2" O.D.	DOUBLE FERRULE COMPRESSION TYPE MALE CONNECTOR	#6000	ISI 316SS	12	NACE MATERIAL
03A	1	1/4"NPTM	HEX HEAD PLUG	#6000	ISI 316SS	12	NACE MATERIAL
19B	1	2x1/2"NPTF + 1/4"	MANIFOLD,3 WAY 2 VALVE	#6000	ISI 316SS	3	-
03B	1	1/4"NPTM	HEX HEAD PLUG	#6000	ISI 316SS	12	-

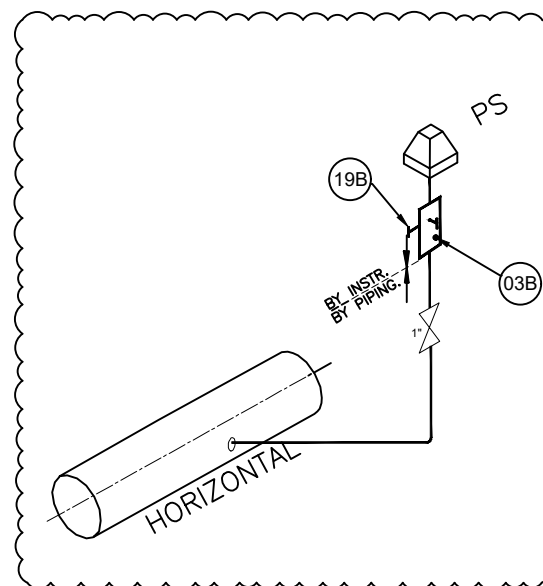
V 02

REV. DATE		P.O.I.		PREP.		CHK.		APP.		AUT.	
PROJECT NAME: BINAQ OILFIELD DEVELOPMENT SURFACE WORK PACKAGES											
PROJECT NO.: -----											
EPC CONTRACTOR:						EPC/RPD CONTRACTOR:					
 BINAQ ENERGY - DESIGN & INSPECTION COMPANIES						 PETROIRAN DEVELOPMENT COMPANY					
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREON ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS											
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.	
N.T. REC.		AD		BK-GDS-HY-120-IR-DW-0007		07 OF 18		V02		21	

REFERENCE DRAWINGS
P&ID DIAGRAM
INSTRUMENT DATASHEET/ CERTIFICATES

Note :

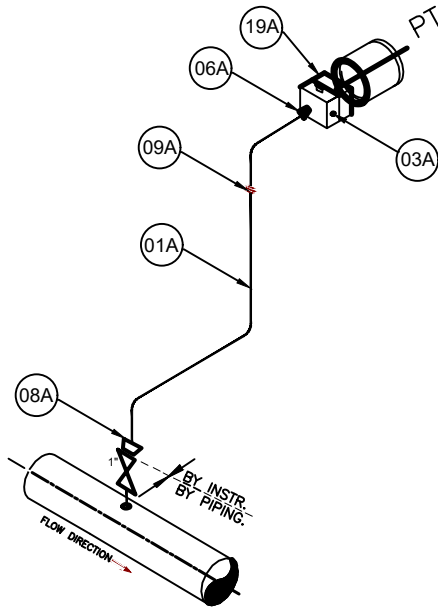
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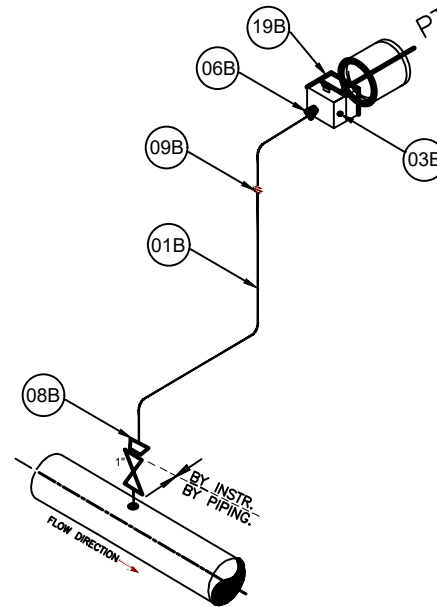
Tag Number	Quantity	Remark
PS-2204A/B/C	3	FLUID: OIL
PS-2220A/B/C	3	FLUID: WATER

/v 02

[illegible]



Tag Number	Quantity	Remark
PT-2204A/B/C	3	FLUID: SOUR GAS
PT-2211A/B/C	3	FLUID: SOUR GAS



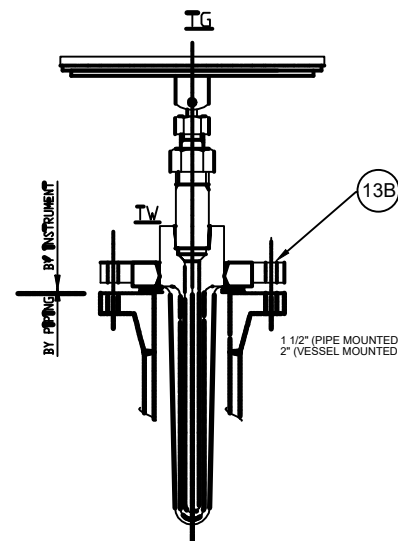
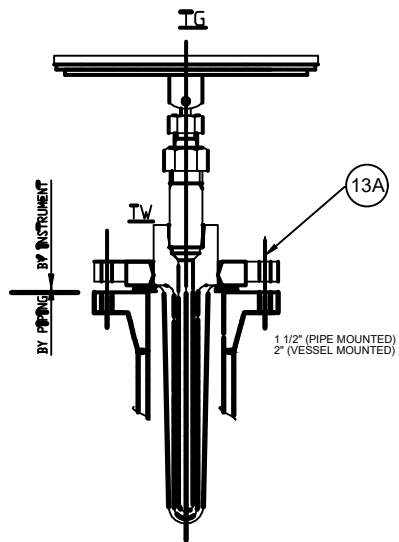
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PT-2220A/B/C	3	FLUID: WATER
PT-2221A/B/C	3	FLUID: WATER
PT-2210A/B/C	3	FLUID: OIL



ITEM	QTY	SIZE OR CONNECTION	DESCRIPTION	Rating Class	MATERIAL	TOTAL QTY.	REMARK
19A	1	2x1/2"NPTF + 1/4"NPTF	MANIFOLD,3 WAY 2 VALVE	#6000	ISI 316SS	6	-
08A	1	1/2" NPTF x 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE FEMALE CONNECTOR	#6000	ISI 316SS	6	-
01A	4	1/2" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	ISI 316SS	24m	-
09A	1	1/2" O.D	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	ISI 316SS	6	-
06A	1	1/2" NPTM x 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE MALE CONNECTOR	#6000	ISI 316SS	6	-
03A	1	1/4"NPTM	HEX HEAD PLUG	#6000	ISI 316SS	6	-
19B	1	2x1/2"NPTF + 1/4"	MANIFOLD,3 WAY 2 VALVE	#6000	ISI 316SS	9	NACE MATERIAL
08B	1	1/2" NPTF x 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE FEMALE CONNECTOR	#6000	ISI 316SS	9	NACE MATERIAL
01B	4	1/2" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	ISI 316SS	36	NACE MATERIAL
09B	1	1/2" O.D	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	ISI 316SS	9	NACE MATERIAL
06B	1	1/2" NPTM x 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE MALE CONNECTOR	#6000	ISI 316SS	9	NACE MATERIAL
03B	1	1/4"NPTM	HEX HEAD PLUG	#6000	ISI 316SS	9	NACE MATERIAL



REV.		DESCRIPTION		BY	DATE	BY	DATE
001	OCT 2024	002	MAY 2024	003	MAY 2024	004	MAY 2024
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Tag Number	Quantity	REMARK
TG-2210A/B/C	3	PIPE MOUNTED / FLUID: SOUR GAS
TG-2211A/B/C	3	PIPE MOUNTED / FLUID: SOUR GAS
TG-2190A/B/C	3	VESSEL MOUNTED / FLUID: SOUR GAS
TG-2193A/B/C	3	VESSEL MOUNTED / FLUID: SOUR GAS

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Tag Number	Quantity	REMARK
TG-2204A/B/C	3	PIPE MOUNTED / FLUID: WATER
TG-2205A/B/C	3	PIPE MOUNTED / FLUID: WATER
TG-2206A/B/C	3	PIPE MOUNTED / FLUID: WATER
TG-2221A/B/C	3	PIPE MOUNTED / FLUID: WATER
TG-2215A/B/C	3	PIPE MOUNTED / FLUID: WATER
TG-2216A/B/C	3	PIPE MOUNTED / FLUID: WATER
TG-2212A/B/C	3	PIPE MOUNTED / FLUID: WATER
TG-2213A/B/C	3	PIPE MOUNTED / FLUID: WATER
TG-2214A/B/C	3	PIPE MOUNTED / FLUID: WATER
TG-2217A/B/C	3	VESSEL MOUNTED / FLUID: SOUR GAS

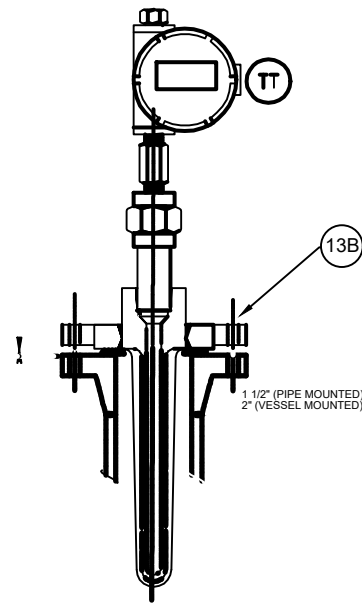
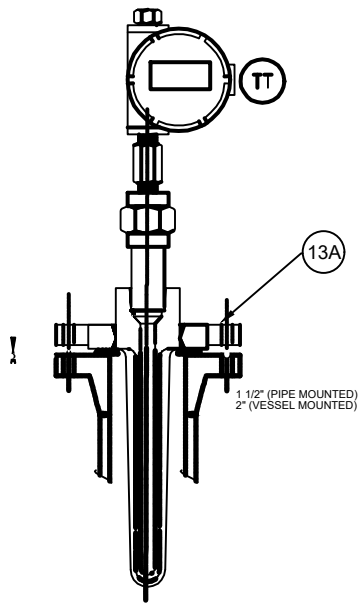
V 02

ITEM	QTY	SIZE OR CONNECTION	DESCRIPTION	MATERIAL	TOTAL QTY.	REMARK
13A	1	1/2"NPTF x1/2"NPTF	THERMOWELL	AISI 316SS	15	NACE MATERIAL
13B	1	1/2"NPTF x1/2"NPTF	THERMOWELL	AISI 316SS	30	-

REFERENCE DRAWING		DWG. NUMBER	
P&I DIAGRAM		BK-GCS-HY-120-PR-PL-0001-V04	
INSTRUMENT DATASHEET/ CERTIFICATES		BK-GCS-HY-120-IN-DS-0001-V02	
Note :			
Legend :			
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREON ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES EPC CONTRACTOR: HIRAN ENERGY - DESIGN & INSPECTION COMPANY EPC/EPD CONTRACTOR: PETROIRAN DEVELOPMENT COMPANY DRAWING TITLE: HOOK UP DRAWING SCALE: 1/4" = 1'-0" DRAWING NO. BK-GCS-HY-120-IN-DW-0007 SHEET NO. 10 OF 19 REV. 1 BUDGET REF. LOCATION SIZE CLASS DATE SCALE DRAWING BY CHECKED BY PROJECT ENG. NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED APPROVED FOR CONSTRUCTION BY: DATE: SERIAL NO. SHEET REVISION			



REV.	DATE	BY	DATE	BY	DATE
1	10/10/2024	1	10/10/2024	1	10/10/2024
2	10/10/2024	2	10/10/2024	2	10/10/2024
3	10/10/2024	3	10/10/2024	3	10/10/2024
4	10/10/2024	4	10/10/2024	4	10/10/2024
5	10/10/2024	5	10/10/2024	5	10/10/2024
6	10/10/2024	6	10/10/2024	6	10/10/2024
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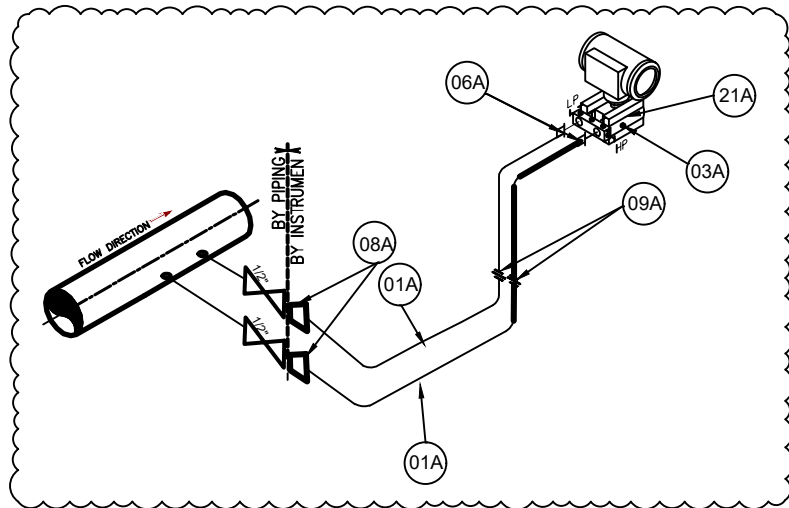
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TT-2123A/B/C	3	FLUID: SOUR GAS
TT-2132A/B/C	3	FLUID: SOUR GAS
TT-2133A/B/C	3	FLUID: SOUR GAS
TT-2191A/B/C	3	FLUID: SOUR GAS
TT-2194A/B/C	3	FLUID: SOUR GAS

V 02

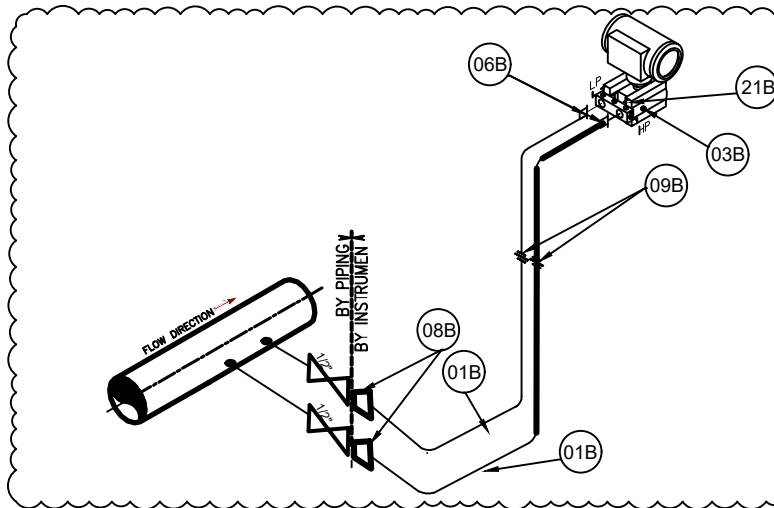
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TT-2203A/B/C	3	FLUID: OIL
TT-2213A/B/C	3	FLUID: WATER
TT-2214A/B/C	3	-
TT-2215A/B/C	3	-
TT-2216A/B/C	3	-
TT-2217A/B/C	3	-
TT-2218A/B/C	3	-
TT-2219A/B/C	3	-
TT-2220A/B/C	3	-

ITEM	QTY	SIZE OR CONNECTION	DESCRIPTION	MATERIAL	TOTAL QTY.	REMARK
13A	1	1/2"NPTF x1/2"NPTF	18	SI 316SS	6	NACE MATERIAL
13B	1	1/2"NPTF x1/2"NPTF	30	SI 316SS	3	-

REV. DATE P.O.L. PREP. CHK. APP. AUT.		REV. DESCRIPTION		BY DATE	BY DATE
PROJECT NAME: BINAQ OILFIELD DEVELOPMENT SURFACE WORK PACKAGES		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: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES		EPC/EPD CONTRACTOR: PETROIRAN DEVELOPMENT COMPANY		BINAQ OILFIELD DEVELOPMENT SURFACE WORK PACKAGES	
DRAWING TITLE: HOOK UP DRAWING		DATE SCALE		DRAWING BY CHECKED BY PROJECT ENG.	
SCALE: N.T.S.C. A3		DRAWING NO. BK-OCB-HY-120-IN-DW-0007		SHEET NO. 11 OF 18	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED		APPROVED FOR CONSTRUCTION		DATE	
BUDGET REF. LOCATION SIZE CLASS		SERIAL NO.		SHEET REVISION	



Tag Number	Quantity	REMARK
PDT-2122A/B/C	3	FLUID: SOUR GAS
PDT-2132A/B/C	3	FLUID: SOUR GAS

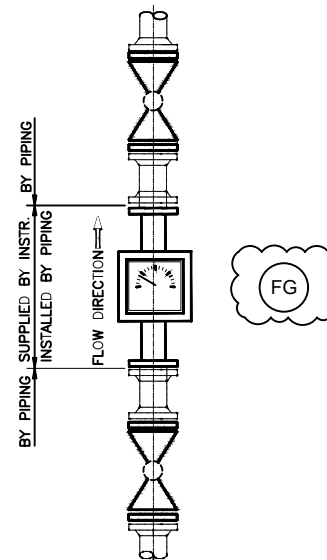
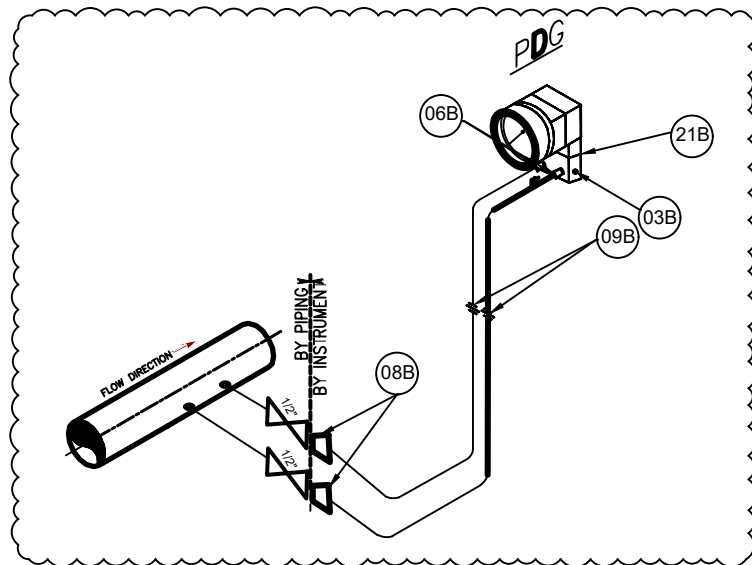


Tag Number	Quantity	REMARK
PDT-2204A/B/C	3	FLUID: OIL



ITEM	QTY	SIZE OR CONNECTION	DESCRIPTION	Rating Class	MATERIAL	TOTAL QTY.	REMARK
21A	1	2x1/2"NPTF + 1/4"	MANIFOLD, 5 WAY 3 VALVE	#6000	AISI 316SS	6	NACE MATERIAL
08A	2	1/2" NPTF x 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE FEMALE CONNECTOR	#6000	AISI 316SS	12	NACE MATERIAL
01A	8	1/2" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	AISI 316SS	48	NACE MATERIAL
09A	2	1/2" O.D	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	AISI 316SS	12	NACE MATERIAL
06A	2	1/2" NPTM x 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE MALE CONNECTOR	#6000	AISI 316SS	12	NACE MATERIAL
03A	1	1/4"NPTM	HEX HEAD PLUG	#6000	AISI 316SS	6	NACE MATERIAL
21B	1	2x1/2"NPTF + 1/4"	MANIFOLD, 5 WAY 3 VALVE	#6000	AISI 316SS	3	-
08B	2	1/2" NPTF x 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE FEMALE CONNECTOR	#6000	AISI 316SS	6	-
01B	8	1/2" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	AISI 316SS	24	-
09B	2	1/2" O.D	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	AISI 316SS	6	-
06B	2	1/2" NPTM x 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE MALE CONNECTOR	#6000	AISI 316SS	6	-
03B	1	1/4"NPTM	HEX HEAD PLUG	#6000	AISI 316SS	3	-

REV.	DESCRIPTION	BY	DATE	BY	DATE
100	OCT 2024	EPH	IRANIAN CO.	MAJID SHARI	
101	MAY 2024	EPH	IRANIAN CO.	MAJID SHARI	
102	APR 2024	EPH	IRANIAN CO.	MAJID SHARI	
REV.	DATE	P.O.I.	PREP.	CHK.	APP.
PROJECT NAME: BINAQ OILFIELD DEVELOPMENT SURFACE WORK PACKAGES					
EPC CONTRACTOR: IRANIAN ENERGY - DESIGN & INSPECTION COMPANY			EPC/EPD CONTRACTOR: PETROIRAN DEVELOPMENT COMPANY		
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREON ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS					
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED					
APPROVED FOR CONSTRUCTION BY: DATE:					
BUDGET REF.	LOCATION	SHEET CLASS	SERIAL NO.	SHEET	REVISION
12	18	100	12	18	100
DRAWING TITLE: HOOK UP DRAWING					
DRAWING NO. BK-GCP-HY-120-IN-DW-0007					
SHEET NO. 12 OF 18					
REV. 100					
FILE NO. BK-GCP-HY-120-N-DW-0007-02-1					



Tag Number	Quantity	REMARK
PDG-2200A/B/C	3	FLUID: OIL
PDG-2204A/B/C	3	FLUID: OIL
PDG-2205A/B/C	3	FLUID: WATER
PDG-2206A/B/C	3	FLUID: WATER

V 02

Tag Number	Quantity	REMARK
FI-2200A/B/C	3	FLUID: GAS(N2)
FI-2201A/B/C	3	FLUID: GAS(N2)
FI-2202A/B/C	3	FLUID: GAS(N2)
FI-2203A/B/C	3	FLUID: GAS(N2)

ITEM	QTY	SIZE OR CONNECTION	DESCRIPTION	Rating Class	MATERIAL	TOTAL QTY.	REMARK
21B	1	2x1/2"NPTF x 1/4"NPTF	MANIFOLD, 5 WAY 3 VALVE	#6000	AISI 316SS	12	-
08B	2	1/2" NPTF x 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE FEMALE CONNECTOR	#6000	AISI 316SS	24	-
01B	8	1/2" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	AISI 316SS	96	-
09B	2	1/2" O.D	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	AISI 316SS	24	-
06B	2	1/2" NPTM x 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE MALE CONNECTOR	#6000	AISI 316SS	24	-
03B	1	1/4"NPTM	HEX HEAD PLUG	#6000	AISI 316SS	12	-

REV. DATE		BY	DATE	BY	DATE
1001 OCT 2024		IFR	HAUKYAR CA	M FARDHARAN	M SADIQSHAN
1002 MAY 2024		IFR	HAUKYAR CA	M FARDHARAN	M SADIQSHAN
1003 APR 2024		IFR	HAUKYAR CA	M FARDHARAN	A M MOHSENI
REV.	DATE	P.O.I.	PREP.	CHK.	APP.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES					
PROJECT NO.:					
EPC CONTRACTOR:			EPC/RPD CONTRACTOR:		
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY		
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.
N.T.S.C.	A3	BR-GCS-HY-120-IN-DW-0007	13 OF 18	1001	



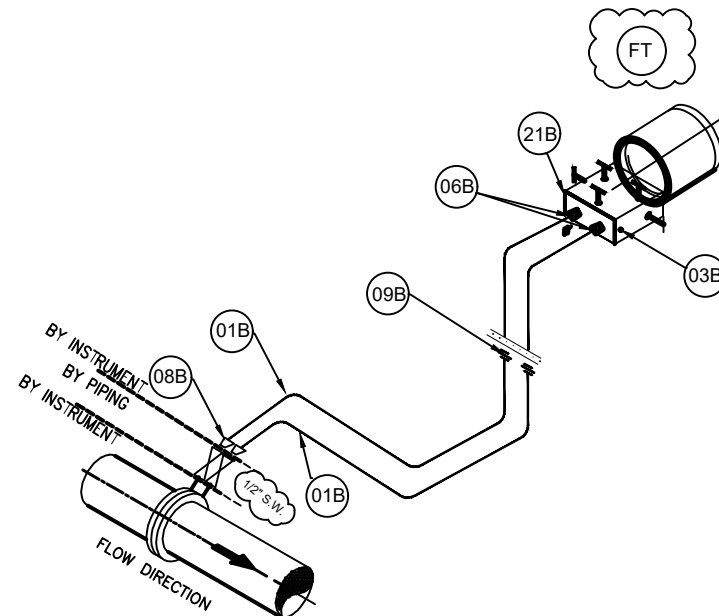
REFERENCE DRAWINGS
P&ID DIAGRAM
INSTRUMENT DATASHEET/ CERTIFICATES

Note :

Legend :

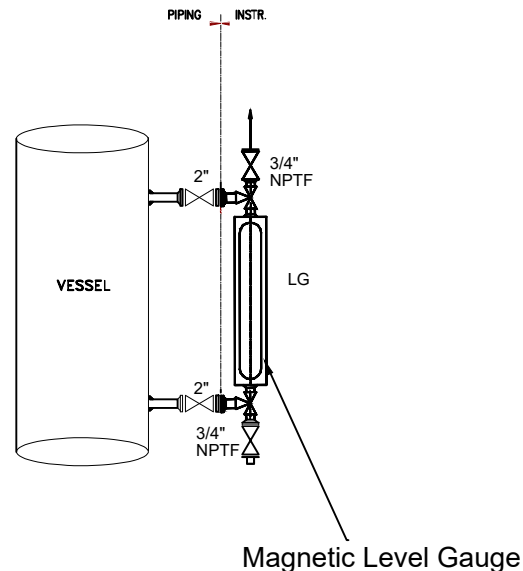
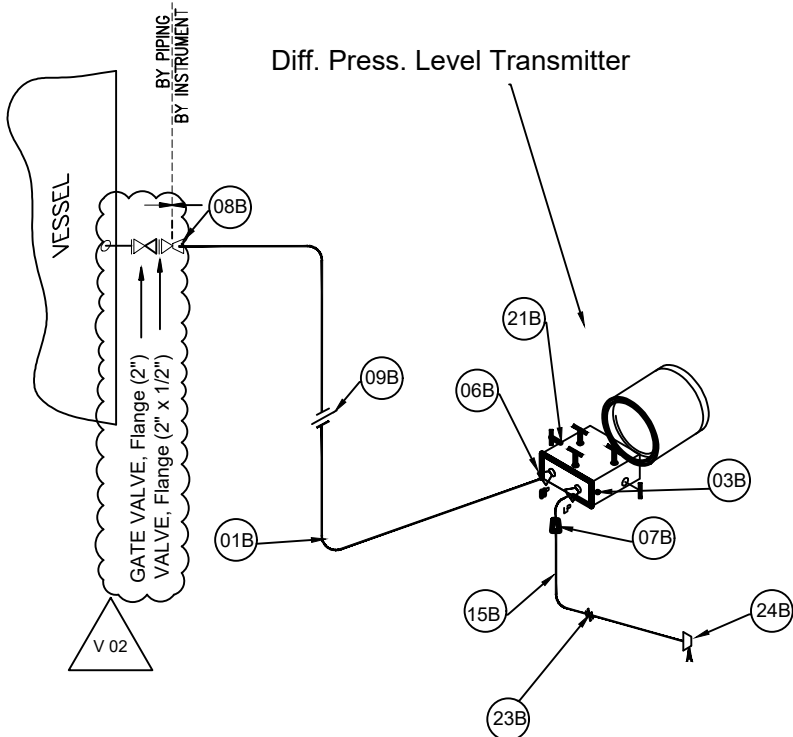
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BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES



Tag Number	Quantity	REMARK
FT-2206A/B/C	3	FLUID: WATER

[illegible]



Tag Number	Quantity	REMARK
LT-2213A/B/C	3	FLUID: WATER
LT-2200A/B/C	3	FLUID: WATER

Tag Number	Quantity	REMARK
LG-2213A/B/C	3	FLUID: WATER

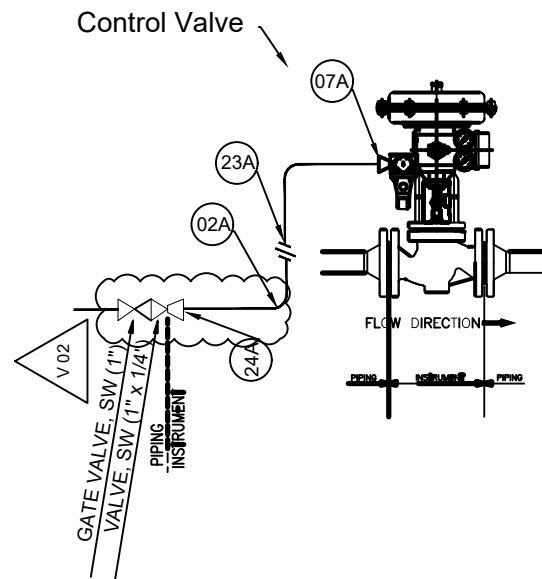
ITEM	QTY	SIZE OR CONNECTION	DESCRIPTION	Rating Class	MATERIAL	TOTAL QTY.	REMARK
21B	1	2x1/2"NPTF + 1/4"	MANIFOLD, 5 WAY 3 VALVE	#6000	AISI 316SS	6	-
08B	2	1/2" NPTFx 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE FEMALE CONNECTOR	#6000	AISI 316SS	12	-
01B	8m	1/2" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	AISI 316SS	48m	-
09B	2	1/2" O.D	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	AISI 316SS	12	-
06B	2	1/2" NPTM x 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE MALE CONNECTOR	#6000	AISI 316SS	12	-
07B	1	1/4" NPTM x 1/4" O.D	DOUBLE FERRULE COMPRESSION TYPE MALE CONNECTOR	#6000	AISI 316SS	6	-
15B	3m	1/4" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.049"	#6000	AISI 316SS	18m	-
23B	1	1/4" O.D	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	AISI 316SS	6	-
24B	1	1/4" NPTFx 1/4" O.D	DOUBLE FERRULE COMPRESSION TYPE FEMALE CONNECTOR	#6000	AISI 316SS	6	-
03B	1	1/4"NPTM	HEX HEAD PLUG	#6000	AISI 316SS	6	-

REFERENCE DRAWINGS	DWG. NUMBER
P&ID DIAGRAM	BK-GCS-HY-120-PR-PA-0001-V04
INSTRUMENT DATASHEET/ CERTIFICATES	BK-GCS-HY-120-IN-DS-0001-V02

Note :

Legend :

REV.	DATE	DESCRIPTION	BY	CHECKED	DATE	BY	DATE
V02	OCT 2024		IFR	ISSUANCE	APR 2024	IFR	ISSUANCE
V01	MAY 2024		IFR	ISSUANCE	APR 2024	IFR	ISSUANCE
V00	APR 2024		IFR	ISSUANCE	APR 2024	IFR	ISSUANCE
REV.	DATE	P.O.I.	PREP.	CHK.	APP.	AUT.	
PROJECT NAME: HINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES							
PROJECT NO.: HINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES							
EPC CONTRACTOR:				EPC/EPD CONTRACTOR:			
HURGAN ENERGY - DESIGN & INFRACTION COMPANIES				PETROIRAN DEVELOPMENT COMPANY			
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	SIZE CLASS
N.T.S.C.	A3	BK-GCS-HY-120-IN-DW-0007	15 OF 18	V02			

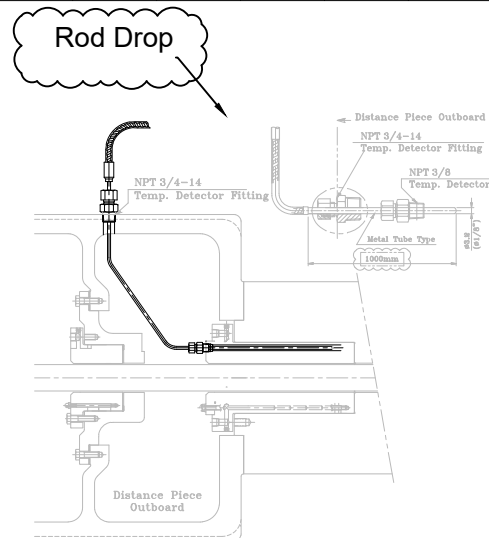


Tag Number	Quantity	REMARK
PCV-2123A/B/C	3	FLUID: SOUR GAS

ITEM	QTY	SIZE OR CONNECTION	DESCRIPTION	Rating Class	MATERIAL	TOTAL QTY.	REMARK
02A	5m	1/4" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	AISI 316SS	15m	NACE
07A	1	1/4" NPTMx 1/4" O.D	DOUBLE FERRULE COMPRESSION TYPE NUTLE CONNECTOR	#6000	AISI 316SS	3	NACE
23A	1	1/4" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	AISI 316SS	3	NACE
24A	1	1/4" NPTFx 1/4" O.D	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	AISI 316SS	3	NACE



Tag Number	Quantity	REMARK
SG-2200A	3	FLUID: WATER
SG-2201A	3	FLUID: WATER
SG-2202A	3	FLUID: WATER
SG-2203A	3	FLUID: WATER



Tag Number	Quantity	REMARK
VE-2200A	3	-
VE-2201A	3	-
VE-2202A	3	-

Tag Number	Quantity	REMARK
C-ZE-2200A	3	-
C-ZE-2201A	3	-

[illegible]

ITEM	QTY	SIZE OR CONNECTION	DESCRIPTION	Rating Class	MATERIAL	TOTAL QTY.	REMARK
01A	4	1/2" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	AISI 316SS	146m	NACE MATERIAL
01B	4	1/2" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	AISI 316SS	264m	-
02A	5m	1/4" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	AISI 316SS	15m	NACE MATERIAL
02B	5m	1/4" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	AISI 316SS	75	-
03A	1	1/4"NPTM	HEX HEAD PLUG	#6000	AISI 316SS	6	NACE MATERIAL
03B	1	1/4"NPTM	HEX HEAD PLUG	#6000	AISI 316SS	6	-
06A	1	1/2" NPTM x 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE MALE CONNECTOR	#6000	AISI 316SS	8	NACE MATERIAL
06B	1	1/2" NPTM x 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE MALE CONNECTOR	#6000	AISI 316SS	84	-
07A	1	1/4" NPTMx 1/4" O.D	DOUBLE FERRULE COMPRESSION TYPE MALE CONNECTOR	#6000	AISI 316SS	3	NACE MATERIAL
07B	1	1/4" NPTM x 1/4" O.D	DOUBLE FERRULE COMPRESSION TYPE MALE CONNECTOR	#6000	AISI 316SS	21	-
08A	1	1/2" NPTFx 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE FEMALE CONNECTOR	#6000	AISI 316SS	36	NACE MATERIAL
08B	1	1/2" NPTFx 1/2" O.D	DOUBLE FERRULE COMPRESSION TYPE FEMALE CONNECTOR	#6000	AISI 316SS	66	-
09A	1	1/2" O.D	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	AISI 316SS	39	NACE MATERIAL
09B	1	1/2" O.D	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	AISI 316SS	84	-
13A	1	1/2"NPTF x1/2"NPTF	THERMOWELL - #300 - CON:1/2 NPT	#6000	AISI 316SS	33	NACE MATERIAL
13B	1	1/2"NPTF x1/2"NPTF	THERMOWELL - #300 - CON:1/2 NPT	#6000	AISI 316SS	60	-
19A	1	2x1/2"NPTF + 1/4"	MANIFOLD,3 WAY 2 VALVE	#6000	AISI 316SS	30	NACE MATERIAL
19B	1	2x1/2"NPTF + 1/4"	MANIFOLD,3 WAY 2 VALVE	#6000	AISI 316SS	60	-
20A	1	1/2"NPTM x 1/2"NPTF	OVER RANGE PROTECTION	#6000	AISI 316SS	6	NACE MATERIAL
21A	1	2x1/2"NPTF + 1/4"	MANIFOLD,5 WAY 3 VALVE	#6000	AISI 316SS	12	NACE MATERIAL
21B	1	2x1/2"NPTF + 1/4"	MANIFOLD,5 WAY 3 VALVE	#6000	AISI 316SS	24	-
23A	1	1/4" O.D	TUBING, SEAMLESS, WALL THICKNESS 0.065"	#6000	AISI 316SS	3	NACE MATERIAL
23B	1	1/4" O.D	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	AISI 316SS	15	-
24A	1	1/4" NPTFx 1/4" O.D	STRAIGHT UNION COMPRESSION TYPE DOUBLE FERRULE	#6000	AISI 316SS	3	NACE MATERIAL
24B	1	1/4" NPTFx 1/4" O.D	DOUBLE FERRULE COMPRESSION TYPE FEMALE CONNECTOR	#6000	AISI 316SS	21	-
25	1	1/2" NPTM x 1/2" NPTM	COOLING ELEMENT	#6000	AISI 316SS	3	NACE MATERIAL
26	1	1/2"NPTF x 1/2"NPTM	SNUBER	#6000	AISI 316SS	6	-



REFERENCE DRAWINGS
P&ID DIAGRAM
INSTRUMENT DATASHEET/ CERTIFICATES

DWG. NUMBER
BK-GCS-HY-120-PR-PI-0001-V04
BK-GCS-HY-120-IN-DS-0001-V03

Note :

Legend :

REV.	DESCRIPTION	BY	DATE	BY	DATE	
V02	OCT 2024	IFR	FAHRIAN C. M. FARHANI	M. SADEGHIAN		
V01	MAY 2024	IFR	FAHRIAN C. M. FARHANI	M. SADEGHIAN		
V00	APR 2024	IFR	FAHRIAN C. M. FARHANI	A. M. MOHSEN		
REV.	DATE	P.O.I.	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAQ OILFIELD DEVELOPMENT SURFACE WORK PACKAGES						
PROJECT NO.:						
EPC CONTRACTOR:			EPC/EPD CONTRACTOR:			
 BIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY			
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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	REV.
1:1	A3	BK-GCS-HY-120-IN-DW-0007	18 OF 18	V02		