

Note :

1. 2+1 TRAIN IS CONSIDERED.
2. TRAIN "B" , "C" ARE THE SAME AS TRAIN "A" .
3. TRAIN "C" IS STAND BY.

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اِس وِجھ کَ چھن نِی، مَٹھوون وِجھ سِ بَناوِی، قِلّے دے بَہ تِ کُتھر کِلّے وِجھ نِی رِجھ سِوِجھ چھن سِی۔ THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS									
BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES									
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		
20		21		22			A3		



V04	MAY 2023	IFI	HAVAYAR CO.	M.FAKHARIAN	5. FARAMARZPOUR
V03	FEB 2024	IFI	HAVAYAR CO.	M.FAKHARIAN	5. FARAMARZPOUR
V02	NOV 2023	IFI	HAVAYAR CO.	M.FAKHARIAN	5. FARAMARZPOUR
V01	SEP 2023	IFI	HAVAYAR CO.	M.FAKHARIAN	5. FARAMARZPOUR
V00	MAY 2023	IFI	HAVAYAR CO.	M.FAKHARIAN	A.M. MOHSENI
REV.	DATE	P.O.I	PREP.	CHK.	APP.
PROJECT NAME: BINAQ OILFIELD DEVELOPMENT SURFACE WORK PACKAGE					
PROJECT NO.: ---					
EPC CONTRACTOR:			EPC/EPD CONTRACTOR:		
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY		
DRAWING TITLE: PROCESS FLOW DIAGRAM					
SCALE	SIZE	DRAWING NO.			SHEET NO.
N.T.S.	A3	BK-GCS-HY-120-PR-PF-0001			1 OF 2

SUMMER CASE											
STREAM NO.	UNIT	01	02	03	04	05	06	07	08	09	10
VAPOR FRACTION		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
TEMPERATURE	°C	36.9	36.9	36.8	129	60	59.9	148	60	60	59.9
PRESSURE	BARG	5.1	5.1	4.9	17.9	17.2	17	54.8	54.1	54.1	53.9
MASS FLOW	KG/H	17833	8664	8664	8664	8664	8664	8664	8664	17327	17252
COMPOSITION (MOLE FRACTION)											
H2O		0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0045
CO2		0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0318
H2S		0.0541	0.0541	0.0541	0.0541	0.0541	0.0541	0.0541	0.0541	0.0541	0.0544
METHANE		0.6389	0.6389	0.6389	0.6389	0.6389	0.6389	0.6389	0.6389	0.6389	0.6427
ETHANE		0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	0.1383
PROPANE		0.0773	0.0773	0.0773	0.0773	0.0773	0.0773	0.0773	0.0773	0.0773	0.0778
i–BUTANE		0.0084	0.0084	0.0084	0.0084	0.0084	0.0084	0.0084	0.0084	0.0084	0.0084
n–BUTANE		0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0187
i–PENTANE		0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
n–PENTANE		0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038
n–HEXANE		0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0066
n–HEPTANE		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
n–OCTANE		0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
n–NONANE		0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
n–DECANE		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
NITROGEN		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003

WINTER CASE											
STREAM NO.	UNIT	01	02	03	04	05	06	07	08	09	10
VAPOR FRACTION		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
TEMPERATURE	°C	19	19	18.9	116	60	59.9	149	60	60	59.9
PRESSURE	BARG	5.1	5.1	4.9	17.9	17.2	17	54.8	54.1	54.1	53.9
MASS FLOW	KG/H	15677	7585	7585	7585	7585	7585	7585	7585	15171	15171
COMPOSITION (MOLE FRACTION)											
H2O		0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036
CO2		0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252
H2S		0.0471	0.0471	0.0471	0.0471	0.0471	0.0471	0.0471	0.0471	0.0471	0.0471
METHANE		0.7398	0.7398	0.7398	0.7398	0.7398	0.7398	0.7398	0.7398	0.7398	0.7398
ETHANE		0.1143	0.1143	0.1143	0.1143	0.1143	0.1143	0.1143	0.1143	0.1143	0.1143
PROPANE		0.0474	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474
i–BUTANE		0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039
n–BUTANE		0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081
i–PENTANE		0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031
n–PENTANE		0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
n–HEXANE		0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
n–HEPTANE		0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
n–OCTANE		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
n–NONANE		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
n–DECANE		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NITROGEN		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003

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REV.	DATE	P.O.I.	PREP.	CHK.	APP.	AUT.			
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 HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES				 PETROIRAN DEVELOPMENT COMPANY					
DRAWING TITLE:							PROCESS FLOW DIAGRAM		
SCALE	SIZE	DRAWING NO.				SHEET NO.	REV.		
N.T.S.C.	A3	BK-GCS-HY-120-PR-PF-0001				2 OF 2	V04		
16.	1	17	18	19	10				