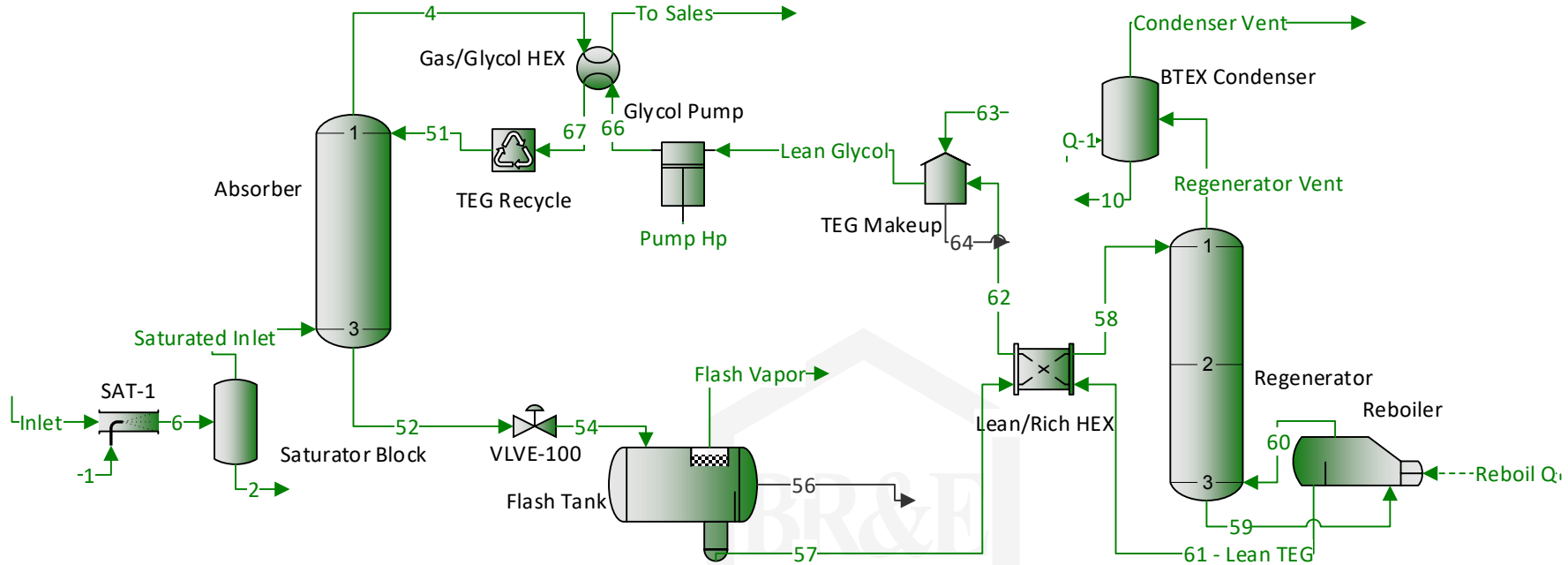


Dehydrator Template – (Lean Glycol Calculated)



Flash Stream

Vapor & Mole % (decimal)		
Flash Vapor	382.71	scf/h
Carbon Dioxide	0.07177	%
Methane	0.466	%
Ethane	0.2237	%
Propane	0.1367	%
Butane	0.06537	%
Pentane Plus	0.02909	%

Uncontrolled Emissions		
Flash Carbon Dioxide	13.95	ton/yr
Flash Methane	33.02	ton/yr
Flash VOCs	53.4	ton/yr
Flash HAPs	1.181	ton/yr
Flash Benzene	0.1882	ton/yr

Regen Condenser Stream

Vapor & Mole % (decimal)		
Regen Condenser Vapor	46.44	scf/h
Carbon Dioxide Regen	0.1255	%
Methane Regen	0.06926	%
Ethane Regen	0.1342	%
Propane Regen	0.1674	%
Butane Regen	0.1474	%
Pentane Plus Regen	0.23016	%

Uncontrolled Emissions		
Regen Condenser Carbon Dioxide	2.961	ton/yr
Regen Condenser Methane	0.5956	ton/yr
Regen Condenser VOCs	18.75	ton/yr
Regen Condenser HAPs	5.61	ton/yr
Regen Condenser Benzene	2.04	ton/yr

Model Data

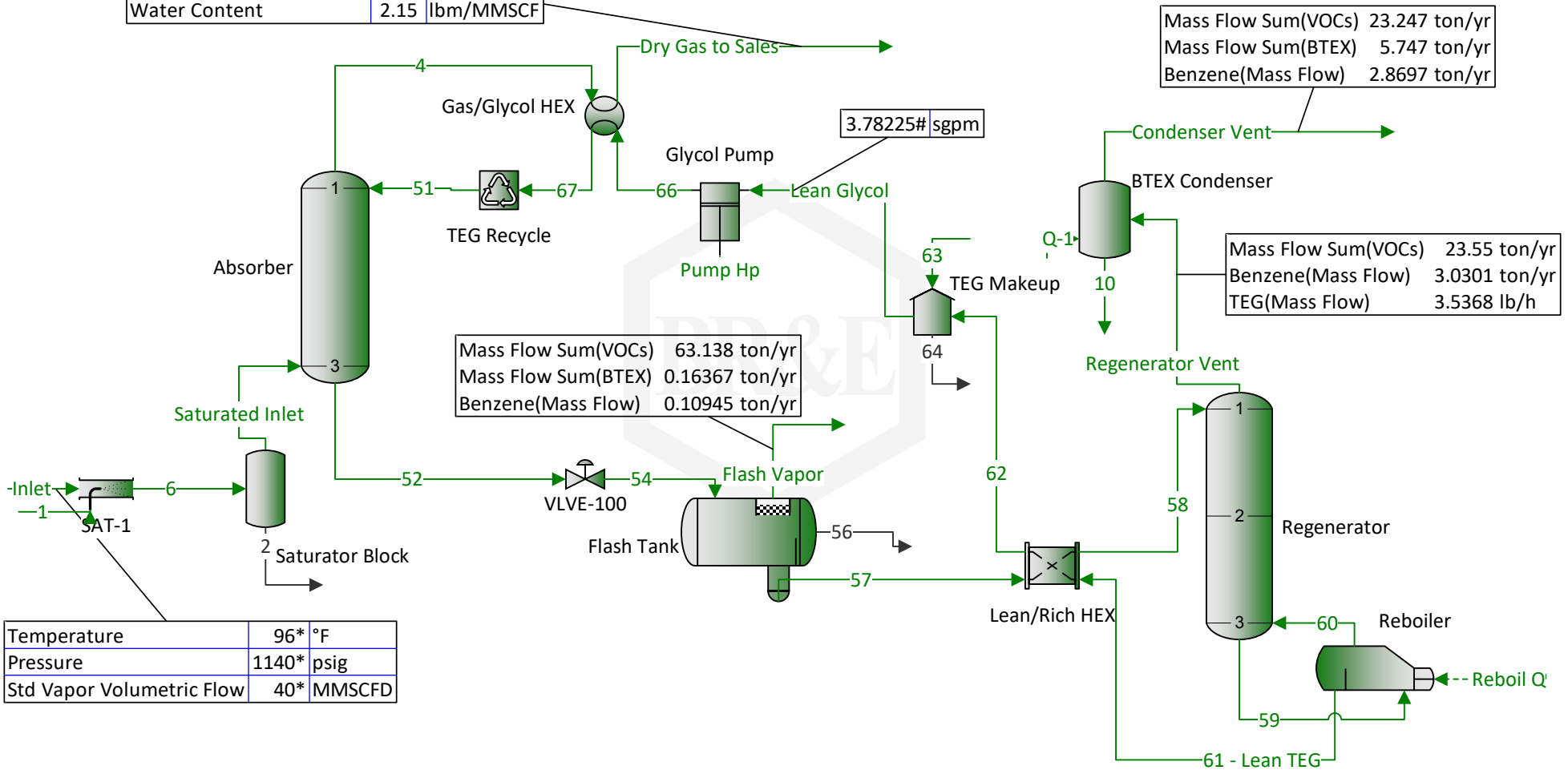
Stream Inlet Data		
Names	Units	Inlet
Temperature	°F	96
Pressure	psig	1140
Std Vapor Volumetric Flow	MMSCFD	40

Lean Glycol Rate		
Names	Units	Lean Glycol
Std Liquid Volumetric Flow	sgpm	3.772#

Water Saturation Data			
Names	Units	Saturated Inlet	To Sales
Water Content	lbm/MMSCF	45.63	2.171

Dehydrator Flowsheet (Lean Glycol Required - Calculated)

Std Vapor Volumetric Flow	40	MMSCFD
Temperature	98.2	°F
Pressure	1130	psig
Water Content	2.15	lbm/MMSCF



Temperature	96*	°F
Pressure	1140*	psig
Std Vapor Volumetric Flow	40*	MMSCFD

Mass Flow Sum(VOCs)	23.247	ton/yr
Mass Flow Sum(BTEX)	5.747	ton/yr
Benzene(Mass Flow)	2.8697	ton/yr

Mass Flow Sum(VOCs)	63.138	ton/yr
Mass Flow Sum(BTEX)	0.16367	ton/yr
Benzene(Mass Flow)	0.10945	ton/yr

Mass Flow Sum(VOCs)	23.55	ton/yr
Benzene(Mass Flow)	3.0301	ton/yr
TEG(Mass Flow)	3.5368	lb/h



DANGER
HOT SURFACE
DO NOT TOUCH

AVCO INC.