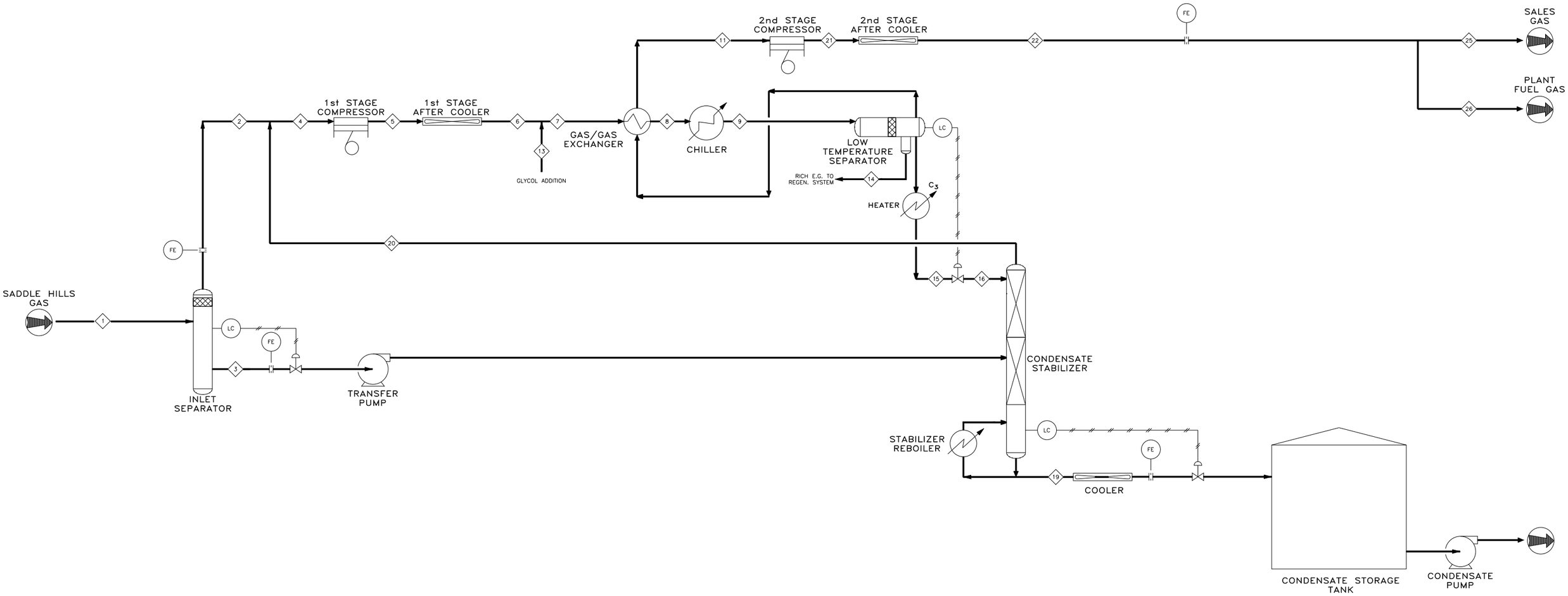

STREAM NUMBER	1	2	3	4	5	6	7	8	9	11	13	14	15	16	19	20	21	22	25	26
FLOW RATE UNITS	MOLE %	MOLE %	MOLE %	MOLE %	MOLE %	MOLE %	MOLE %	MOLE %	MOLE %	MOLE %	WEIGHT %	WEIGHT %	MOLE %	MOLE %	MOLE %	KGMOL/HR	MOLE %	MOLE %	MOLE %	MOLE %
HELIUM	0.010	0.010	0.000	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.010
NITROGEN	0.330	0.330	0.016	0.329	0.329	0.329	0.327	0.327	0.327	0.332	0.000	0.000	0.037	0.037	0.000	0.004	0.332	0.332	0.332	0.332
CARBON DIOXIDE	1.009	1.011	0.192	1.013	1.013	1.013	1.007	1.007	1.007	1.015	0.000	0.104	0.901	0.901	0.000	0.087	1.015	1.015	1.015	1.015
METHANE	89.545	89.730	6.325	89.453	89.453	89.453	88.923	88.923	88.923	90.138	0.000	0.184	28.149	28.149	0.000	2.718	90.138	90.138	90.138	90.138
ETHANE	6.012	6.019	2.772	6.105	6.105	6.105	6.069	6.069	6.069	6.052	0.000	0.067	12.635	12.635	0.000	1.218	6.052	6.052	6.052	6.052
PROPANE	1.678	1.675	2.889	1.789	1.789	1.789	1.779	1.779	1.779	1.688	0.000	0.052	12.873	12.873	0.050	1.240	1.688	1.688	1.688	1.688
I-BUTANE	0.260	0.258	1.121	0.288	0.288	0.288	0.286	0.286	0.286	0.246	0.000	0.006	4.782	4.782	2.802	0.316	0.246	0.246	0.246	0.246
N-BUTANE	0.399	0.395	2.474	0.429	0.429	0.429	0.426	0.426	0.426	0.344	0.000	0.025	9.569	9.569	10.845	0.361	0.344	0.344	0.344	0.344
I-PENTANE	0.130	0.125	2.200	0.131	0.131	0.131	0.130	0.130	0.130	0.077	0.000	0.005	5.948	5.948	10.031	0.066	0.077	0.077	0.077	0.077
N-PENTANE	0.130	0.124	2.880	0.129	0.129	0.129	0.129	0.129	0.129	0.069	0.000	0.011	6.661	6.661	11.604	0.064	0.069	0.069	0.069	0.069
N-HEXANE	0.120	0.103	7.751	0.105	0.105	0.105	0.104	0.104	0.104	0.024	0.000	0.013	8.772	8.772	18.042	0.026	0.024	0.024	0.024	0.024
N-OCTANE	0.250	0.092	71.349	0.092	0.092	0.092	0.091	0.091	0.091	0.003	0.000	0.011	9.667	9.667	46.622	0.004	0.003	0.003	0.003	0.003
ETHYLENE GLYCOL	0.000	0.000	0.000	0.000	0.000	0.000	0.318	0.318	0.318	0.000	80.000	72.955	0.003	0.003	0.004	0.000	0.000	0.000	0.000	0.000
WATER	0.128	0.128	0.031	0.128	0.128	0.128	0.401	0.401	0.401	0.002	20.000	26.567	0.002	0.002	0.000	0.001	0.002	0.002	0.002	0.002
TEMPERATURE C	15.6	15.6	15.6	15.8	107.3	48.9	48.8	−10.6	−20.6	43.2	48.9	−20.6	4.4	−7.0	179.4	39.6	89.5	48.9	48.9	48.9
PRESSURE KPA	1468.6	1468.6	1468.6	1468.6	4571.2	4571.2	4571.2	4557.4	4543.6	4460.9	4640.2	4543.6	4543.6	1468.6	1468.6	1468.6	7673.9	7673.9	7673.9	7673.9
PERCENT LIQUID(A) %	0.2	0.0	100.0	0.0	0.0	0.0	0.0	0.5	0.9	0.0	100.0	0.0	89.5	69.2	100.0	0.0	0.0	0.0	0.0	0.0
PERCENT LIQUID(B) %	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.7	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOLE WT KG/KGMOLE	18.4	18.3	97.1	18.3	18.3	18.3	18.5	18.5	18.5	18.0	41.7	37.5	50.4	50.4	92.4	31.2	18.0	18.0	18.0	18.0
FLOW KG/HR	18306.6	18092.8	213.8	18283.1	18283.1	18283.1	18530.7	18530.7	18530.7	17796.8	247.6	271.5	462.4	462.4	485.8	190.3	17796.8	17796.8	17398.1	398.6
FLOW KGMOL/HR	993.2	991.0	2.2	997.1	997.1	997.1	1003.1	1003.1	1003.1	986.7	5.9	7.2	9.2	9.2	5.3	6.1	986.7	986.7	964.6	22.1
GAS FLOW 10I3I MI3I/D	563.5	563.4730	0.0000	566.9438	566.9438	566.9438	569.3	565.7	563.3	560.9898	0.0000	0.0000	0.0000	0.0000	0.0000	3.4708	560.9898	560.9898	548.4236	12.5662
LIQ FLOW MI3I/D @15C	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	6.1	19.3	16.5	17.4	0.0	0.0	0.0	0.0	0.0

DWG. NO.	REFERENCE DRAWINGS	REV	REVISIONS	DATE	BY	CHK'D	APP'D	AXL APP'D
		B	ISSUED FOR CLIENT APPROVAL	94-07-06	TL			
		A	ISSUED FOR ERCB APPROVAL	94-03-04	MFM			

GAS LIQUIDS ENGINEERING LTD.
- GAS PURIFICATION
- REFRIGERATION
- CRYOGENICS
- DISTILLATION
- FACILITIES ENGINEERING

ENGINEER AND PERMIT STAMPS

DESIGNED		
DRAWN	GAS LIQUIDS ENG.	94-03-04
CHECKED		
PROCESS CK.		
MECH. CK.		
STRUCT. CK.		
ELECT. CK.		
AXL APP.		
AXL APP.		

AXL ANDERSON EXPLORATION LTD.
CALGARY, ALBERTA, CANADA

PROJECT
SADDLE HILLS GAS PLANT

PROCESS FLOW DIAGRAM
S.E. 1/4-3-77-7 W6M

JOB NO.	SCALE	DWG. NO.	
94030	N.T.S.	D-PFS-94030-1001	B