



**REFERENCE DOCUMENTS**

EQUIPMENT			
TAG	DESCRIPTION	TYPE	CAPACITY
B-122301A/B (2 x 100%)	PRE-OIL DEHYDRATOR RECIRCULATION WATER PUMP	Centrifugal	610 m <sup>3</sup> /h
B-122302A/B (2 x 100%)	OIL DEHYDRATOR RECIRCULATION WATER PUMP	Centrifugal	610 m <sup>3</sup> /h
B-122303A/C (2 x 100%)	OIL TRANSFER PUMP	Centrifugal	538 m <sup>3</sup> /h
B-122304A/B (2 x 100%)	TEST SEPARATOR PUMP	Centrifugal	340 m <sup>3</sup> /h
B-533101A/D (2 x 100%)	PRODUCED WATER PUMP (NOTE 4)	Vertical Submerged	500 m <sup>3</sup> /h
C-UC-1225001A/B-01 (2 x 100%)	VRU - 1ST STAGE COMPRESSOR	Screw	320000 m <sup>3</sup> /d
C-UC-1225001A/B-02 (2 x 100%)	VRU - 2ND STAGE COMPRESSOR	Screw	1000000 m <sup>3</sup> /d
G-531101A/E (2 x 100%)	PRODUCED WATER SYSTEM HYDROCYCLONE	Hydrocyclone	4800 m <sup>3</sup> /h
F-531101A/B (2 x 100%)	PRODUCED WATER FLUTATION UNIT	Flotation	12000 m <sup>3</sup> /h
P-122301A/B (2 x 100%)	PRODUCED WATER FILTER (Self-Cleaning)	Screen	500 m <sup>3</sup> /h
P-122302A/B (2 x 100%)	OIL-OIL PRE-HEATER	Shell and Tube	7.72E+06 W
P-122303A/B (2 x 100%)	PRODUCTION HEATER	Shell and Tube	7.72E+06 W
P-122304A/B (2 x 100%)	DILUTION WATER HEATER	Shell and Tube	2000 kW
P-122305 (1 x 100%)	TEST HEATER	Shell and Tube	8 MW
P-122306 (1 x 100%)	OIL COOLER	Plate	20.14E+06 W
P-122307 (1 x 100%)	VRU COOLER	Shell and Tube	4.0E+06 W
P-533101A/B (2 x 100%)	PRODUCED WATER COOLER	Plate	21.2E+06 W
P-UC-1225001A/B-01 (2 x 100%)	VRU 1ST STAGE COOLER	Shell and Tube	3.5E+06 W
RP-1210001 (1 x 100%)	WAG INJECTION AND SATELLITE PRODUCTION WELL PIG RECEIVER	Pig Receiver	-
RP-1210002 (1 x 100%)	WAG INJECTION WELL PIG RECEIVER	Pig Receiver	-
RP-1210003A/B (2 x 100%)	SATELLITE PRODUCTION WELL PIG RECEIVER	Pig Receiver	-
SG-1223001 (1 x 100%)	FREE WATER SEPARATOR	Horizontal	32756 m <sup>3</sup> /h
SG-1223002 (1 x 100%)	TEST SEPARATOR	Horizontal	8000 m <sup>3</sup> /h
TO-1223001 (1 x 100%)	PRE-OIL DEHYDRATOR	Electrostatic	29497 m <sup>3</sup> /h
TO-1223002 (1 x 100%)	OIL DEHYDRATOR	Electrostatic	25459 m <sup>3</sup> /h
UC-1225001A (1 x 100%)	VAPOR RECOVERY UNIT	Vertical	1000000 m <sup>3</sup> /h
V-533001 (1 x 100%)	VRU K. O. DRUM	Vertical	507100 m <sup>3</sup>
V-1223001A/B (2 x 100%)	PRODUCED WATER FLASH DRUM	Horizontal	90.7 m <sup>3</sup>
V-TO-1223001 (1 x 100%)	PRE-OIL DEHYDRATOR DEGASSER	Horizontal	29510 m <sup>3</sup> /h
V-TO-1223002 (1 x 100%)	OIL DEHYDRATOR DEGASSER	Horizontal	26210 m <sup>3</sup> /h
V-UC-1225001A/B-01 (2 x 100%)	VRU - 1ST STAGE SCRUBBER	Vertical	320000 m <sup>3</sup> /h
V-UC-1225001A/B-02 (2 x 100%)	VRU - 2ND STAGE SCRUBBER	Vertical	1000000 m <sup>3</sup> /h
Z-1212001 (1 x 100%)	FISCAL METERING SKID	-	-

**GENERAL NOTES**

- LIQUID CAPACITIES ARE AT STANDARD CONDITIONS OF 15.6°C AND 101.3 kPa abs.
- GAS CAPACITIES ARE AT STANDARD CONDITIONS OF 15.6°C AND 101.3 kPa abs.
- ARMING VALVE.
- STRUCTURAL TANK.
- LOCATED AT TQ-5331001A/B (SUBMERGED PUMP).
- FLOW RATE AT PRESSURE AND TEMPERATURE OPERATIONAL CONDITIONS.

STREAM N.	1223.4	1223.5	1223.6	1223.7	1223.8	1223.9	1224.0	1224.1	1224.2	1224.3	1224.4	1224.5	1224.6	1224.7	1224.8	1224.9	1225.0	1225.1	1225.2	1225.3	1225.4	1225.5	1225.6	1225.7	1225.8	1225.9	1226.0	1226.1	1226.2	1226.3	1226.4	1226.5	1226.6	1226.7	1226.8	1226.9	1227.0	1227.1	1227.2	1227.3	1227.4	1227.5	1227.6	1227.7	1227.8	1227.9	1228.0	1228.1	1228.2	1228.3	1228.4	1228.5	1228.6	1228.7	1228.8	1228.9	1229.0	1229.1	1229.2	1229.3	1229.4	1229.5	1229.6	1229.7	1229.8	1229.9	1230.0	1230.1	1230.2	1230.3	1230.4	1230.5	1230.6	1230.7	1230.8	1230.9	1231.0	1231.1	1231.2	1231.3	1231.4	1231.5	1231.6	1231.7	1231.8	1231.9	1232.0	1232.1	1232.2	1232.3	1232.4	1232.5	1232.6	1232.7	1232.8	1232.9	1233.0	1233.1	1233.2	1233.3	1233.4	1233.5	1233.6	1233.7	1233.8	1233.9	1234.0	1234.1	1234.2	1234.3	1234.4	1234.5	1234.6	1234.7	1234.8	1234.9	1235.0	1235.1	1235.2	1235.3	1235.4	1235.5	1235.6	1235.7	1235.8	1235.9	1236.0	1236.1	1236.2	1236.3	1236.4	1236.5	1236.6	1236.7	1236.8	1236.9	1237.0	1237.1	1237.2	1237.3	1237.4	1237.5	1237.6	1237.7	1237.8	1237.9	1238.0	1238.1	1238.2	1238.3	1238.4	1238.5	1238.6	1238.7	1238.8	1238.9	1239.0	1239.1	1239.2	1239.3	1239.4	1239.5	1239.6	1239.7	1239.8	1239.9	1240.0	1240.1	1240.2	1240.3	1240.4	1240.5	1240.6	1240.7	1240.8	1240.9	1241.0	1241.1	1241.2	1241.3	1241.4	1241.5	1241.6	1241.7	1241.8	1241.9	1242.0	1242.1	1242.2	1242.3	1242.4	1242.5	1242.6	1242.7	1242.8	1242.9	1243.0	1243.1	1243.2	1243.3	1243.4	1243.5	1243.6	1243.7	1243.8	1243.9	1244.0	1244.1	1244.2	1244.3	1244.4	1244.5	1244.6	1244.7	1244.8	1244.9	1245.0	1245.1	1245.2	1245.3	1245.4	1245.5	1245.6	1245.7	1245.8	1245.9	1246.0	1246.1	1246.2	1246.3	1246.4	1246.5	1246.6	1246.7	1246.8	1246.9	1247.0	1247.1	1247.2	1247.3	1247.4	1247.5	1247.6	1247.7	1247.8	1247.9	1248.0	1248.1	1248.2	1248.3	1248.4	1248.5	1248.6	1248.7	1248.8	1248.9	1249.0	1249.1	1249.2	1249.3	1249.4	1249.5	1249.6	1249.7	1249.8	1249.9	1250.0	1250.1	1250.2	1250.3	1250.4	1250.5	1250.6	1250.7	1250.8	1250.9	1251.0	1251.1	1251.2	1251.3	1251.4	1251.5	1251.6	1251.7	1251.8	1251.9	1252.0	1252.1	1252.2	1252.3	1252.4	1252.5	1252.6	1252.7	1252.8	1252.9	1253.0	1253.1	1253.2	1253.3	1253.4	1253.5	1253.6	1253.7	1253.8	1253.9	1254.0	1254.1	1254.2	1254.3	1254.4	1254.5	1254.6	1254.7	1254.8	1254.9	1255.0	1255.1	1255.2	1255.3	1255.4	1255.5	1255.6	1255.7	1255.8	1255.9	1256.0	1256.1	1256.2	1256.3	1256.4	1256.5	1256.6	1256.7	1256.8	1256.9	1257.0	1257.1	1257.2	1257.3	1257.4	1257.5	1257.6	1257.7	1257.8	1257.9	1258.0	1258.1	1258.2	1258.3	1258.4	1258.5	1258.6	1258.7	1258.8	1258.9	1259.0	1259.1	1259.2	1259.3	1259.4	1259.5	1259.6	1259.7	1259.8	1259.9	1260.0	1260.1	1260.2	1260.3	1260.4	1260.5	1260.6	1260.7	1260.8	1260.9	1261.0	1261.1	1261.2	1261.3	1261.4	1261.5	1261.6	1261.7	1261.8	1261.9	1262.0	1262.1	1262.2	1262.3	1262.4	1262.5	1262.6	1262.7	1262.8	1262.9	1263.0	1263.1	1263.2	1263.3	1263.4	1263.5	1263.6	1263.7	1263.8	1263.9	1264.0	1264.1	1264.2	1264.3	1264.4	1264.5	1264.6	1264.7	1264.8	1264.9	1265.0	1265.1	1265.2	1265.3	1265.4	1265.5	1265.6	1265.7	1265.8	1265.9	1266.0	1266.1	1266.2	1266.3	1266.4	1266.5	1266.6	1266.7	1266.8	1266.9	1267.0	1267.1	1267.2	1267.3	1267.4	1267.5	1267.6	1267.7	1267.8	1267.9	1268.0	1268.1	1268.2	1268.3	1268.4	1268.5	1268.6	1268.7	1268.8	1268.9	1269.0	1269.1	1269.2	1269.3	1269.4	1269.5	1269.6	1269.7	1269.8	1269.9	1270.0	1270.1	1270.2	1270.3	1270.4	1270.5	1270.6	1270.7	1270.8	1270.9	1271.0	1271.1	1271.2	1271.3	1271.4	1271.5	1271.6	1271.7	1271.8	1271.9	1272.0	1272.1	1272.2	1272.3	1272.4	1272.5	1272.6	1272.7	1272.8	1272.9	1273.0	1273.1	1273.2	1273.3	1273.4	1273.5	1273.6	1273.7	1273.8	1273.9	1274.0	1274.1	1274.2	1274.3	1274.4	1274.5	1274.6	1274.7	1274.8	1274.9	1275.0	1275.1	1275.2	1275.3	1275.4	1275.5	1275.6	1275.7	1275.8	1275.9	1276.0	1276.1	1276.2	1276.3	1276.4	1276.5	1276.6	1276.7	1276.8	1276.9	1277.0	1277.1	1277.2	1277.3	1277.4	1277.5	1277.6	1277.7	1277.8	1277.9	1278.0	1278.1	1278.2	1278.3	1278.4	1278.5	1278.6	1278.7	1278.8	1278.9	1279.0	1279.1	1279.2	1279.3	1279.4	1279.5	1279.6	1279.7	1279.8	1279.9	1280.0	1280.1	1280.2	1280.3	1280.4	1280.5	1280.6	1280.7	1280.8	1280.9	1281.0	1281.1	1281.2	1281.3	1281.4	1281.5	1281.6	1281.7	1281.8	1281.9	1282.0	1282.1	1282.2	1282.3	1282.4	1282.5	1282.6	1282.7	1282.8	1282.9	1283.0	1283.1	1283.2	1283.3	1283.4	1283.5	1283.6	1283.7	1283.8	1283.9	1284.0	1284.1	1284.2	1284.3	1284.4	1284.5	1284.6	1284.7	1284.8	1284.9	1285.0	1285.1	1285.2	1285.3	1285.4	1285.5	1285.6	1285.7	1285.8	1285.9	1286.0	1286.1	1286.2	1286.3	1286.4	1286.5	1286.6	1286.7	1286.8	1286.9	1287.0	1287.1	1287.2	1287.3	1287.4	1287.5	1287.6	1287.7	1287.8	1287.9	1288.0	1288.1	1288.2	1288.3	1288.4	1288.5	1288.6	1288.7	1288.8	1288.9	1289.0	1289.1	1289.2	1289.3	1289.4	1289.5	1289.6	1289.7	1289.8	1289.9	1290.0	1290.1	1290.2	1290.3	1290.4	1290.5	1290.6	1290.7	1290.8	1290.9	1291.0	1291.1	1291.2	1291.3	1291.4	1291.5	1291.6	1291.7	1291.8	1291.9	1292.0	1292.1	1292.2	1292.3	1292.4	1292.5	1292.6	1292.7	1292.8	1292.9	1293.0	1293.1	1293.2	1293.3	1293.4	1293.5	1293.6	1293.7	1293.8	1293.9	1294.0	1294.1	1294.2	1294.3	1294.4	1294.5	1294.6	1294.7	1294.8	1294.9	1295.0	1295.1	1295.2	1295.3	1295.4	1295.5	1295.6	1295.7	1295.8	1295.9	1296.0	1296.1	1296.2	1296.3	1296.4	1296.5	1296.6	1296.7	1296.8	1296.9	1297.0	1297.1	1297.2	1297.3	1297.4	1297.5	1297.6	1297.7	1297.8	1297.9	1298.0	1298.1	1298.2	1298.3	1298.4	1298.5	1298.6	1298.7	1298.8	1298.9	1299.0	1299.1	1299.2	1299.3	1299.4	1299.5	1299.6	1299.7	1299.8	1299.9	1300.0	1300.1	1300.2	1300.3	1300.4	1300.5	1300.6	1300.7	1300.8	1300.9	1301.0	1301.1	1301.2	1301.3	1301.4	1301.5	1301.6	1301.7	1301.8	1301.9	1302.0	1302.1	1302.2	1302.3	1302.4	1302.5	1302.6	1302.7	1302.8	1302.9	1303.0	1303.1	1303.2	1303.3	1303.4
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