

Data Riser untuk Tugas Besar

Parameter	Unit	Nilai
A. Parameter umum		
Design Life	tahun	20
Corrosion Rate selama Design life	inch	0.08
Corrosion Rate per Tahun	inch/tahun	0.004
Ovality (Other Type)	-	0.5%
Ovality (Reel-lay)	-	1%
Wall Thickness Tolerance	-	12.5%

Team	Team 1	Team 2	Team 3	Team 4	Team 5	Team 6	Team 7	Team 8	Team 9	Team 10	Team 11
Data 1 ID	1	23	22	22	24	3	13	8	10	9	4
Data 2 ID	13	15	8	10	14	5	11	3	17	6	7

Parameter	Unit	Rigid Riser									
		1	2	3	4	5	6	7	8	9	10
Outer Diameter	inch	24.00	16.00	16.00	10.75	12.75	8.63	20.00	8.63	12.75	16.00
Material	-	API 5L X-65	API 5L X-60	API 5L X-52	API 5L X-52	API 5L X-52	API 5L X-52	API 5L X-52	API 5L X-52	API 5L X-52	API 5L X-52
SMYS	ksi	65	60	52	52	52	52	52	52	52	52
Shut in pressure	psi	1127	1138	1236	194	1198	215	211	195	203	192
Design pressure	psi	1315	1350	1400	230	1420	260	250	230	230	230
Fluid Content	-	Gas	Gas	Multiphase	Multiphase	Gas	Gas	Gas	Oil	Oil	Gas
Content Specific Gravity (SG, w.r.t water)		0.06	0.07	0.57	0.59	0.55	0.10	0.05	0.82	0.85	0.07
Kedalaman Laut	m	850	760	920	980	1100	1050	700	960	1020	890

Parameter	Unit	Rigid Riser							SCR		
		11	12	13	14	15	16	17	22	23	24
Outer Diameter	inch	16.00	16	12.75	12.75	8.625	16	12.75	6.63	16.00	16.00
Material	-	API 5L X-52	API 5L X-52	API 5L X-52	API 5L X-52	API 5L X-52	API 5L X-52	API 5L X-52	API 5L X-52	API 5L X-65	API 5L X-65
SMYS	ksi	52	52	52	52	52	52	52	52	65	65
Shut in pressure	psi	196	1126	1207	223	254	250	573	1698	1701	1792
Design pressure	psi	230	1400	1400	260	285	285	655	2002.97	2002.97	2002.97
Fluid Content	-	Gas	Gas	Multiphase	Oil	Gas	Gas	Oil	Wet Gas	Multiphase	Multiphase
Content Specific Gravity (SG, w.r.t water)		0.07	0.06	0.50	0.88	0.06	0.05	0.80	0.90	0.66	0.57
Kedalaman Laut	m	1150	980	1250	940	910	830	1200	1350	1450	1500