

Density Adjustment with Barite or Water

Top half of table:

Number of 40 kg. sacks of Barite to raise 10 m³ of fluid to a desired density

Bottom half of table:

Approximate m³ of water to lower 10 m³ of fluid to a desired density

DESIRED DENSITY (kg/m³)

Initial Density (kg/m ³)	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000
1050	10	34	52	71	90	110	131	153	175	198	222	247	273	300	328	357	388	420	453
1100		17	35	53	72	92	112	134	156	178	202	226	252	279	306	335	365	397	429
1150	5		17	36	54	74	94	114	136	158	182	206	231	257	284	313	342	373	406
1200	10	3.3		18	36	55	75	95	117	139	161	185	210	236	262	290	320	350	382
1250	15	6.7	2.5		18	37	56	76	97	119	141	165	189	214	241	268	297	327	358
1300	20	10	5	2		19	37	57	78	99	121	144	168	193	219	246	274	303	334
1350	15	13	7.5	4	1.7		19	38	58	79	101	123	147	171	197	223	251	280	310
1400	30	17	10	6	3.3	1.4		19	39	59	81	103	126	150	175	201	228	256	286
1450	35	20	13	8	5	2.9	1.3		19	39	61	82	105	129	153	179	205	233	262
1500	40	23	15	10	6.7	4.3	2.5	1.1		20	40	62	84	107	131	156	183	210	239
1550	45	27	18	12	8.3	5.7	3.8	2.0	1		20	41	63	86	109	134	160	187	215
1600	50	30	20	14	10	7.1	5.0	3.3	2	0.9		20	42	64	87	112	137	163	191
1650	55	33	23	16	12	8.6	6.3	4.4	3	1.8	0.8		21	43	65	89	114	140	167
1700	60	37	25	18	13	10	7.5	5.6	4	2.7	1.7	0.8		21	44	67	91	117	143
1750	65	40	28	20	15	11	8.5	6.7	5	3.6	2.5	1.5	0.7		22	45	68	93	119
1800	70	43	30	22	17	13	10	7.8	6	4.5	3.3	2.3	1.4	0.7		22	46	70	95
1850	75	47	33	24	18	14	11	8.9	7	5.4	4.2	3.1	2.1	1.3	0.6		23	47	72
1900	80	50	35	26	20	16	13	10	8	6.4	5	3.8	2.9	2	1.3	0.6		23	48
1950	85	53	38	28	22	17	14	11	9	7.3	5.8	4.6	3.6	2.7	1.9	1.2	0.6		24
2000	90	57	40	30	23	19	15	12	10	8.2	6.7	5.4	4.3	3.3	2.5	1.8	1.1	0.5	