FIGURE 3. TVD-BHP Fluid Density Chart

True Vertical Depth (ft)	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000	10500	11000	11500	12000	12500	13000	13500	14000	14500	15000
1000	19.3																												
1500	12.8	19.3																											
2000	9.6	14.5	19.3																										
2500		11.6	15.4	19.3																									
3000		9.6	12.8	16.1	19.3																								
3500		8.3	11.0	13.8	16.5	19.3																							
4000			9.6	12.0	14.5	16.9	19.3																						
4500			8.6	10.7	12.8	15.0	17.1	19.3																					
5000				9.6	11.6	13.5	15.4	17.3	19.3																				
5500				8.8	10.5	12.3	14.0	15.8	17.5	19.3																			
6000					9.6	11.2	12.8	14.5	16.1	17.7	19.3																		
6500					8.9	10.4	11.9	13.3	14.8	16.3	17.8	19.3																	
7000					8.3	9.6	11.0	12.4	13.8	15.1	16.5	17.9	19.3																
7500						9.0	10.3	11.6	12.8	14.1	15.4	16.7	18.0	19.3															
8000						8.4	9.6	10.8	12.0	13.2	14.5	15.7	16.9	18.1	19.3														
8500							9.1	10.2	11.3	12.5	13.6	14.7	15.9	17.0	18.1	19.3													
9000							8.6	9.6	10.7	11.8	12.8	13.9	15.0	16.1	17.1	18.2	19.3												
9500								9.1	10.1	11.2	12.2	13.2	14.2	15.2	16.2	17.2	18.3	19.3											
10000								8.7	9.6	10.6	11.6	12.5	13.5	14.5	15.4	16.4	17.3	18.3	19.3										
10500								8.3	9.2	10.1	11.0	11.9	12.8	13.8	14.7	15.6	16.5	17.4	18.4	19.3									
11000									8.8	9.6	10.5	11.4	12.3	13.1	14.0	14.9	15.8	16.6	17.5	18.4	19.3								
11500									8.4	9.2	10.1	10.9	11.7	12.6	13.4	14.2	15.1	15.9	16.8	17.6	18.4	19.3							
12000										8.8	9.6	10.4	11.2	12.0	12.8	13.6	14.5	15.3	16.1	16.9	17.7	18.5	19.3						
12500										8.5	9.2	10.0	10.8	11.6	12.3	13.1	13.9	14.6	15.4	16.2	17.0	17.7	18.5	19.3					
13000											8.9	9.6	10.4	11.1	11.9	12.6	13.3	14.1	14.8	15.6	16.3	17.0	17.8	18.5	19.3				
13500											8.6	9.3	10.0	10.7	11.4	12.1	12.8	13.6	14.3	15.0	15.7	16.4	17.1	17.8	18.6	19.3			
14000											8.3	8.9	9.6	10.3	11.0	11.7	12.4	13.1	13.8	14.5	15.1	15.8	16.5	17.2	17.9	18.6	19.3		
14500												8.6	9.3	10.0	10.6	11.3	12.0	12.6	13.3	14.0	14.6	15.3	15.9	16.6	17.3	17.9	18.6	19.3	
15000												8.3	9.0	9.6	10.3	10.9	11.6	12.2	12.8	13.5	14.1	14.8	15.4	16.1	16.7	17.3	18.0	18.6	19.3
15500													8.7	9.3	9.9	10.6	11.2	11.8	12.4	13.1	13.7	14.3	14.9	15.5	16.2	16.8	17.4	18.0	18.6
16000													8.4	9.0	9.6	10.2	10.8	11.4	12.0	12.6	13.2	13.8	14.5	15.1	15.7	16.3	16.9	17.5	18.1
16500														8.8	9.3	9.9	10.5	11.1	11.7	12.3	12.8	13.4	14.0	14.6	15.2	15.8	16.3	16.9	17.5
17000														8.5	9.1	9.6	10.2	10.8	11.3	11.9	12.5	13.0	13.6	14.2	14.7	15.3	15.9	16.4	17.0
17500														8.3	8.8	9.4	9.9	10.5	11.0	11.6	12.1	12.7	13.2	13.8	14.3	14.9	15.4	16.0	16.5
18000															8.6	9.1	9.6	10.2	10.7	11.2	11.8	12.3	12.8	13.4	13.9	14.5	15.0	15.5	16.1
18500															8.3	8.9	9.4	9.9	10.4	10.9	11.5	12.0	12.5	13.0	13.5	14.1	14.6	15.1	15.6
19000																8.6	9.1	9.6	10.1	10.6	11.2	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2
19500																8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.9	12.4	12.8	13.3	13.8	14.3	14.8
20000																	8.7	9.2	9.6	10.1	10.6	11.1	11.6	12.0	12.5	13.0	13.5	14.0	14.5
20500																	8.5	8.9	9.4	9.9	10.3	10.8	11.3	11.7	12.2	12.7	13.2	13.6	14.1
21000																	8.3	8.7	9.2	9.6	10.1	10.6	11.0	11.5	11.9	12.4	12.8	13.3	13.8
21500																		8.5	9.0	9.4	9.9	10.3	10.8	11.2	11.7	12.1	12.5	13.0	13.4
22000																		8.3	8.8	9.2	9.6	10.1	10.5	10.9	11.4	11.8	12.3	12.7	13.1
22500																			8.6	9.0	9.4	9.8	10.3	10.7	11.1	11.6	12.0	12.4	12.8
23000																			8.4	8.8	9.2	9.6	10.1	10.5	10.9	11.3	11.7	12.1	12.6
23500																				8.6	9.0	9.4	9.8	10.2	10.7	11.1	11.5	11.9	12.3
24000																				8.4	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0
24500																				8.3	8.7	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.8
25000																					8.5	8.9	9.2	9.6	10.0	10.4	10.8	11.2	11.6
25500																					8.3	8.7	9.1	9.4	9.8	10.2	10.6	11.0	11.3
26000																						8.5	8.9	9.3	9.6	10.0	10.4	10.7	11.1
26500																						8.4	8.7	9.1	9.5	9.8	10.2	10.5	10.9
27000																							8.6	8.9	9.3	9.6	10.0	10.3	10.7
27500																							8.4	8.8	9.1	9.5	9.8	10.2	10.5
28000																							8.3	8.6	8.9	9.3	9.6	10.0	10.3
28500																								8.5	8.8	9.1	9.5	9.8	10.1
29000																								8.3	8.6	9.0	9.3	9.6	10.0
29500																									8.5	8.8	9.1	9.5	9.8
30000																									8.3	8.7	9.0	9.3	9.6

Three Salt Fluids

Two Salt Fluids

Single Salt Fluids

Safe Bottomhole Pressure (psi)