

OILPACK

OIL-BASE PACKER FLUID

The Following Table May Be Used as a Guide in Determining
The Type and Quantity of Materials Necessary
To Build 100 Barrels Finished OILPACK
Casing Pak or Packer Fluid

Desired Wt. Ppg	BBLs <u>Water</u>	OILPACK <u>Sacks</u>	BBLs <u>Oil</u>	Barite <u>Sacks</u>	Barite <u>%</u>
8.0	25	100	72	---	---
8.5	25	100	71	19.5	1.00
9.0	25	100	68	61.5	4.00
9.5	25	100	66	88.5	6.00
10.0	20	100	69	115.5	8.00
10.5	20	100	68	142.5	9.50
11.0	20	100	66	169.5	11.00
11.5	20	100	64	196.5	13.00
12.0	15	100	67	223.5	15.00
12.5	15	100	65	250.5	17.00
13.0	15	100	63	277.5	19.00
13.5	15	100	62	304.5	20.00
14.0	10	100	65	331.5	22.00
14.5	10	100	63	358.5	24.00
15.0	10	100	61	387.0	26.00

Water may be fresh, sea, or saturated NaCl (final weight will vary depending on type water used).
For use in the Artic, the water should be saturated NaCl.
100 sacks OILPACK equals 50.0 ppb, or 4.0% volume.

Based on #2 diesel. Asphaltic oil, 23-27° A.P.I. may be used, but will result in higher gels and viscosity in makeup.

Note: OILPACK will entrain air while mixing and adding barite. Sufficient time should be allowed for entrained air to break out prior to use, or prior to adding additional barite above that is shown in formula.



Mixing procedures: Order of addition for field or lab.

FIELD:

Step 1: Add OILPACK to oil while mixing and mix for 20 minutes.

Step 2: Add water while mixing and mix an additional 30 minutes.

Step 3: Add barite while mixing and mix an additional 30 minutes, or until it is obvious the fluid is getting much thicker, then pump downhole.

LAB:

Step 1: Add OILPACK to oil while mixing and mix for 3 minutes on a Hamilton Beach mixer.

Step 2: Add water while mixing and mix for an additional 5 minutes.

Step 3: Add barite while mixing and mix for 15 minutes.

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