Example: Effects of flushing by mud filtrates

Coring with water base mud

Oil zone at minimum interstitial water saturation:

	flushing by bit	trip to surface	sat at surface compared to res
S_w	↑	↓	? probably ↑
S_o	↓	↓	↓
S_g	-	↑	↑

Gas zone at minimum interstitial water saturation:

	flushing by bit	trip to surface	sat at surface compared to res
S_w	↑	↓	?
S_o	-	-	-
S_g	↓	↑	?

Water zone:

	flushing by bit	trip to surface	sat at surface compared to res
S_w	-	↓	↓
S_o	-	-	-
S_g	-	↑	↑

Coring With Oil Base Mud

Oil zone at minimum interstitial water saturation:

	flushing by bit	trip to surface	sat at surface compared to res
S_w	-	-	-
S_o	-	↓	↓
S_g	-	↑	↑

Gas zone at minimum interstitial water saturation:

	flushing by bit	trip to surface	sat at surface compared to res
S_w	-	-	-
S_o	↑	↓	↑
S_g	↓	↑	↓

Water zone:

	flushing by bit	trip to surface	sat at surface compared to res
S_w	↓	↓	↓
S_o	↑	↓	↑
S_g	-	↑	↑