

# **Formation Damage Practicality Analysis Report**

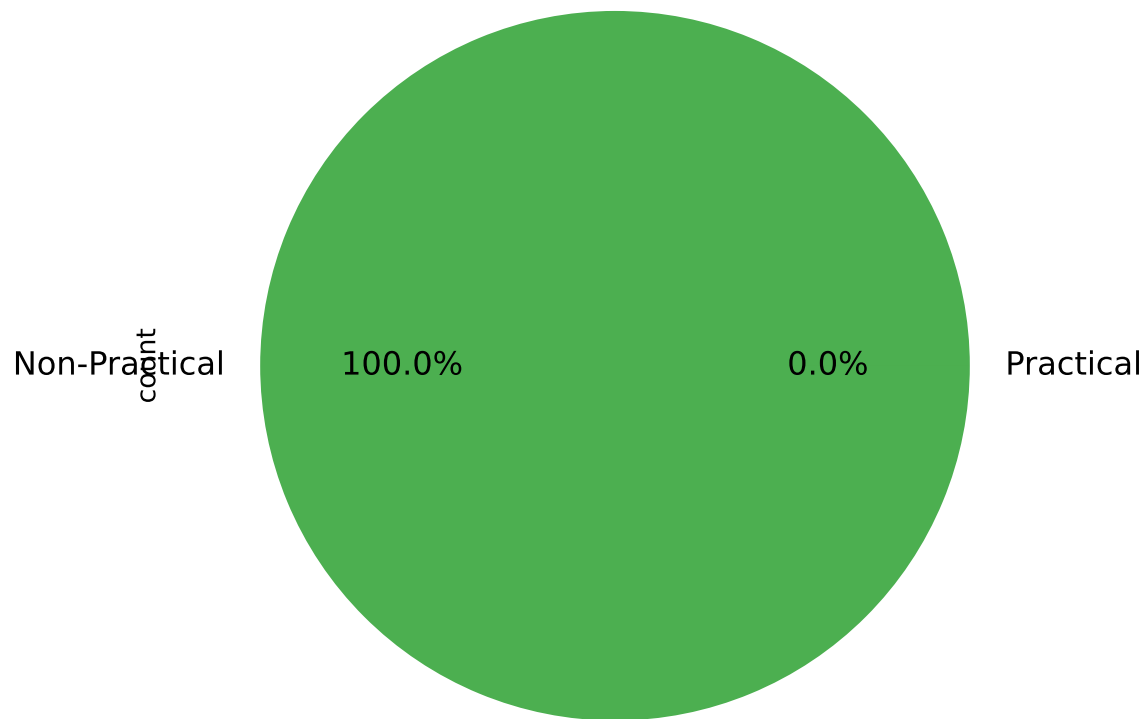
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Oil & Gas Well Damage Management System

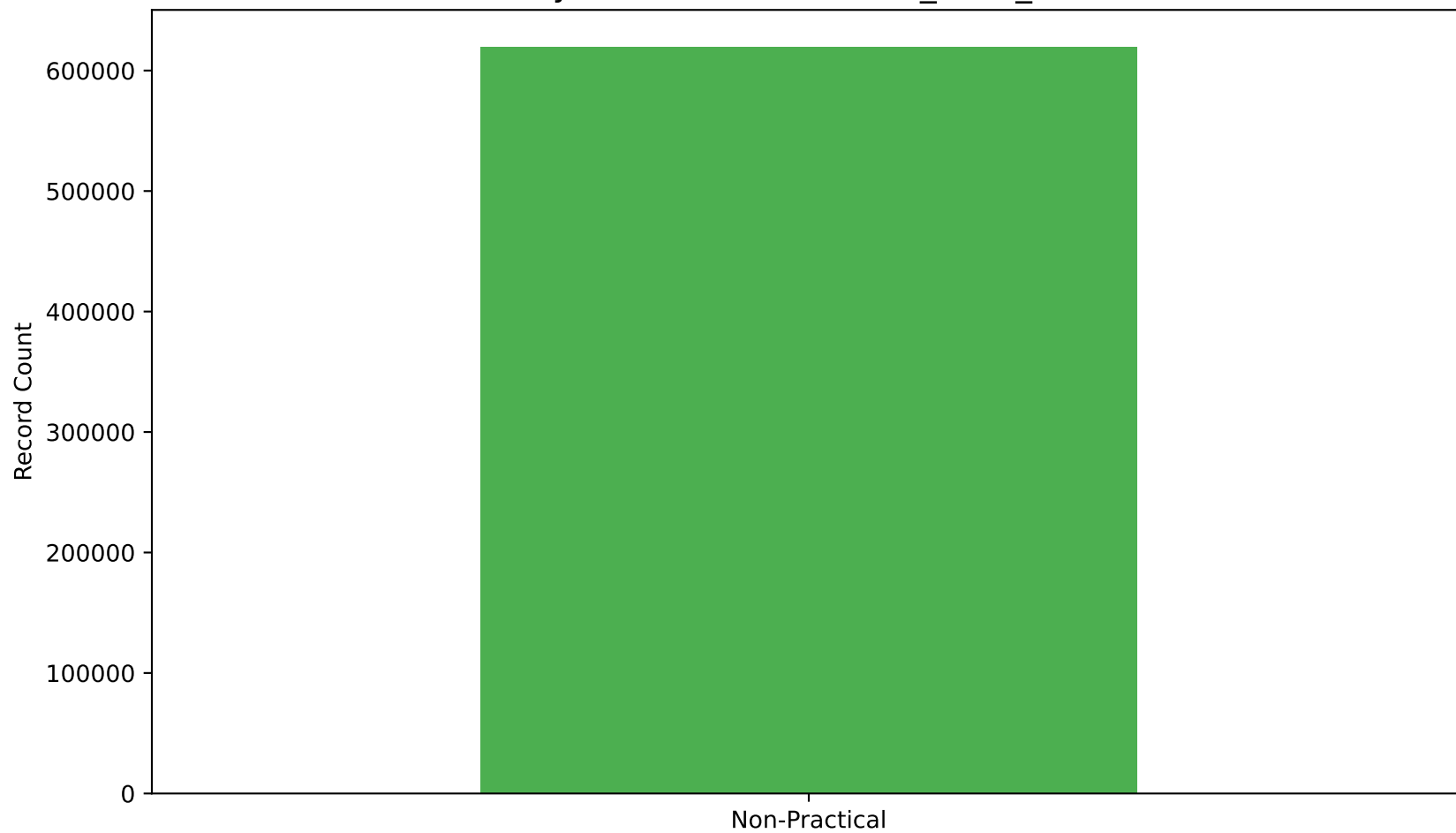
Total records: 1,000,000  
Practical records: 4 (0.0%)  
Non-Practical records: 999,996 (100.0%)

Practical damage type distribution:  
- Ultra\_Clean\_Fluids: 4 records (100.0%)

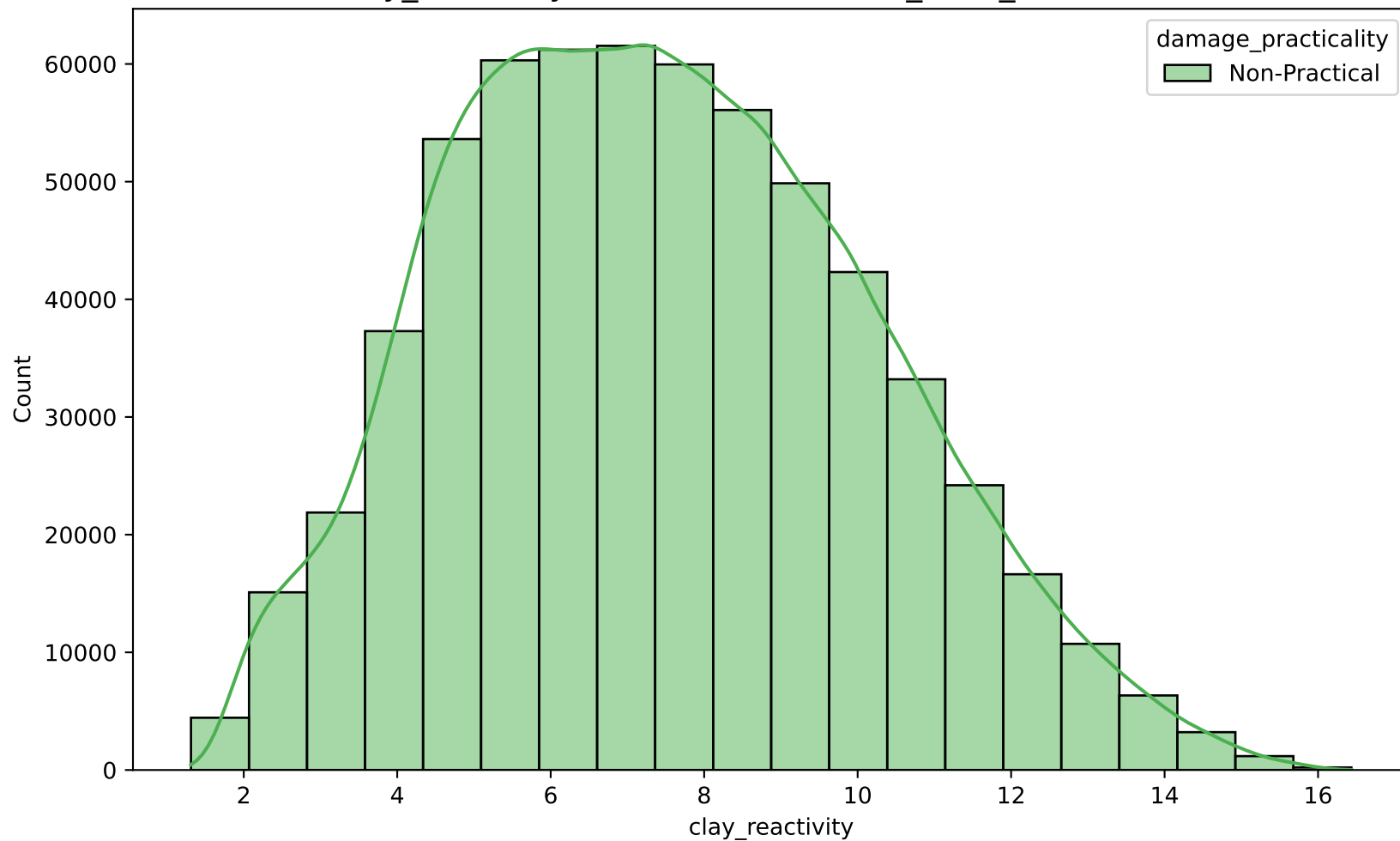
## Overall Practical vs Non-Practical Distribution



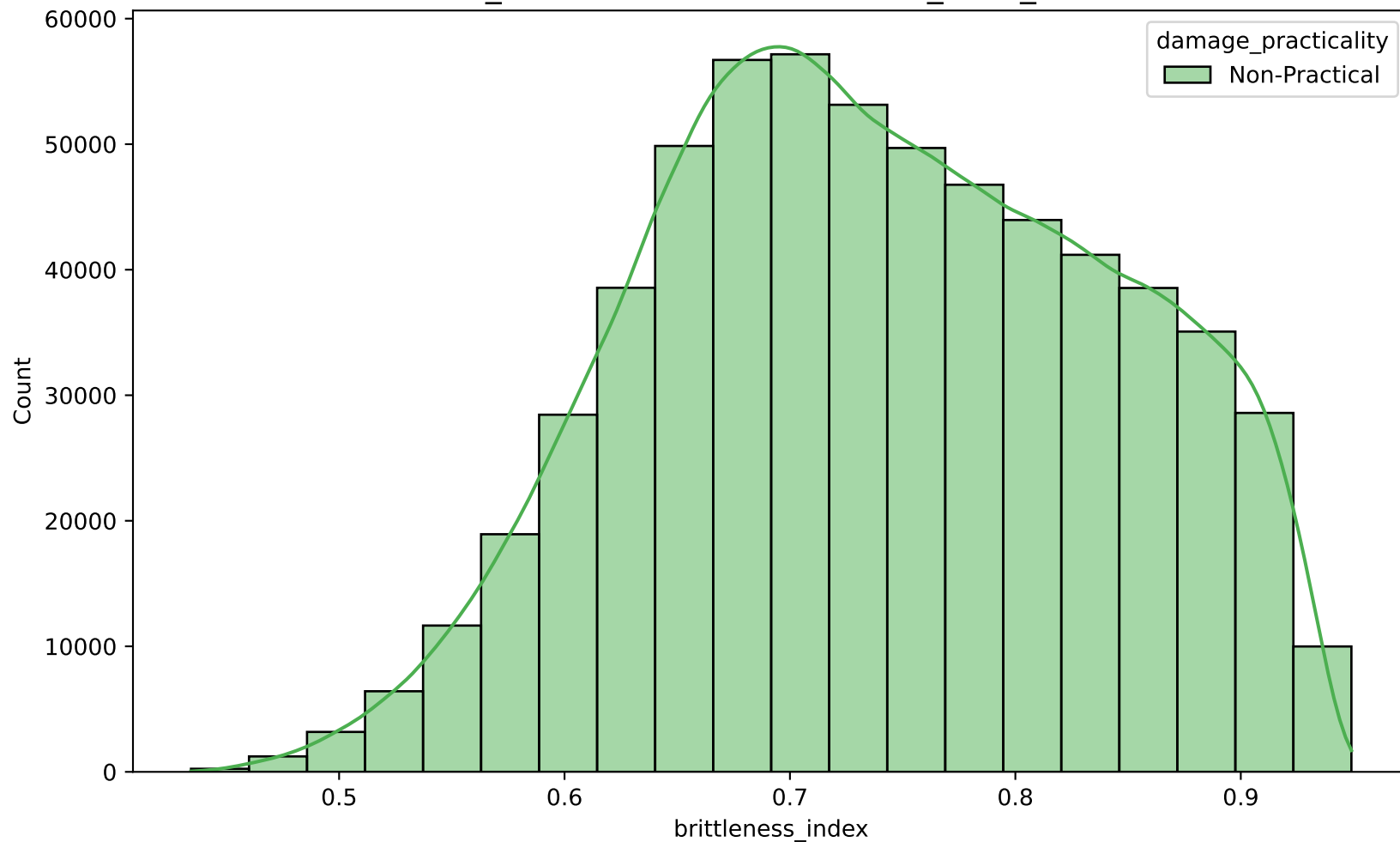
Practicality Distribution for Rock\_Fluid\_Interactions



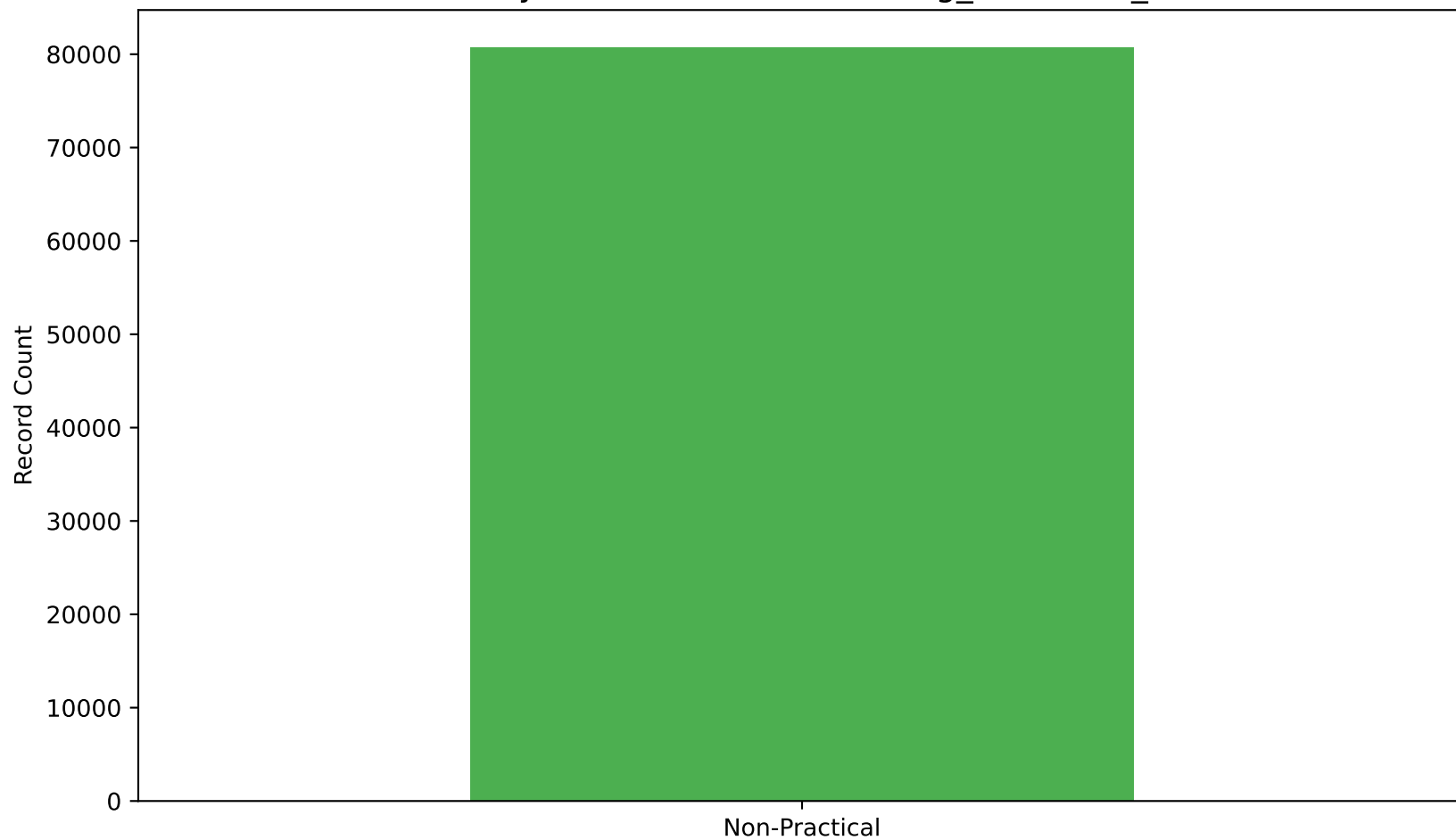
clay\_reactivity Distribution for Rock\_Fluid\_Interactions



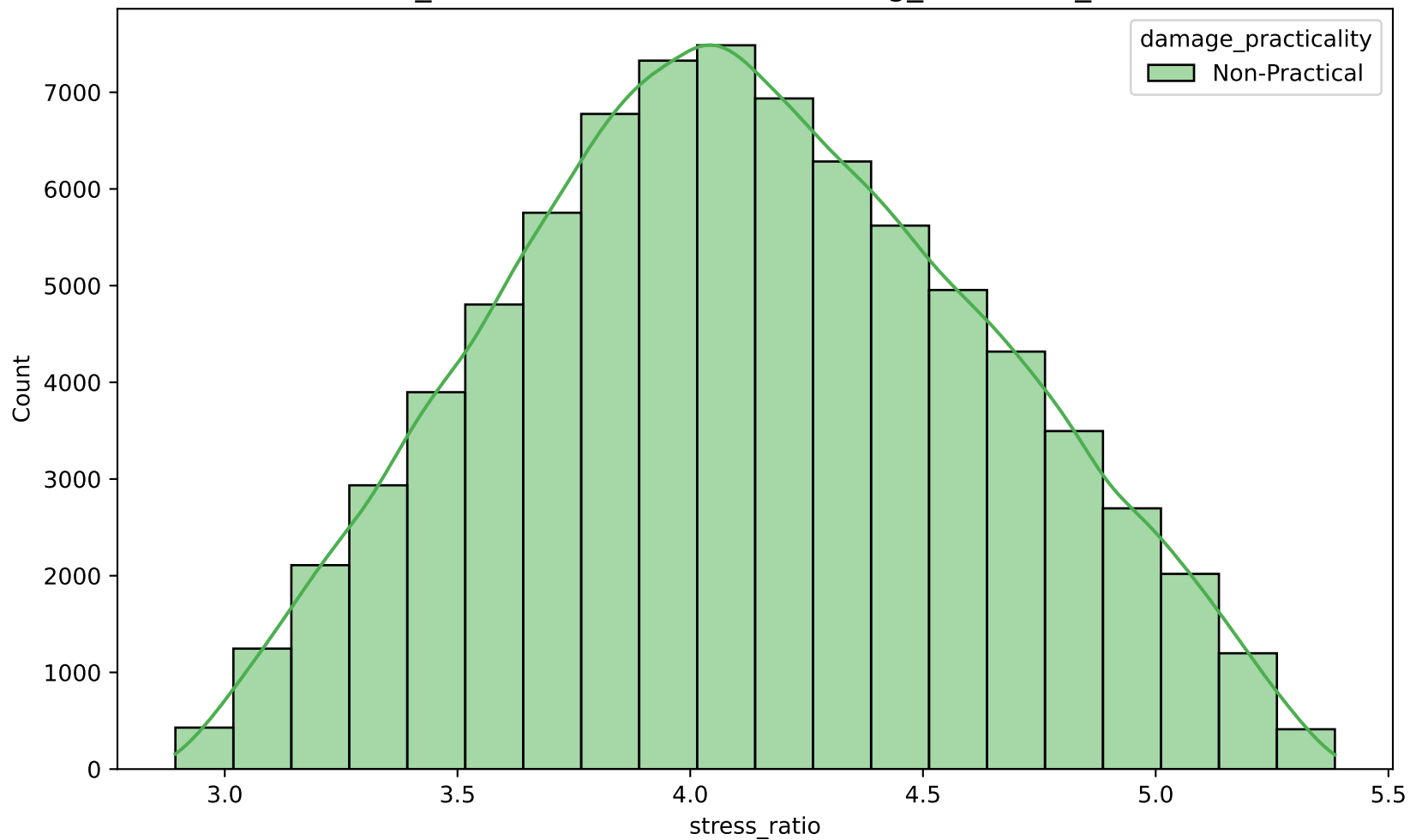
brittleness\_index Distribution for Rock\_Fluid\_Interactions



Practicality Distribution for Cracking\_Corrosion\_Stress

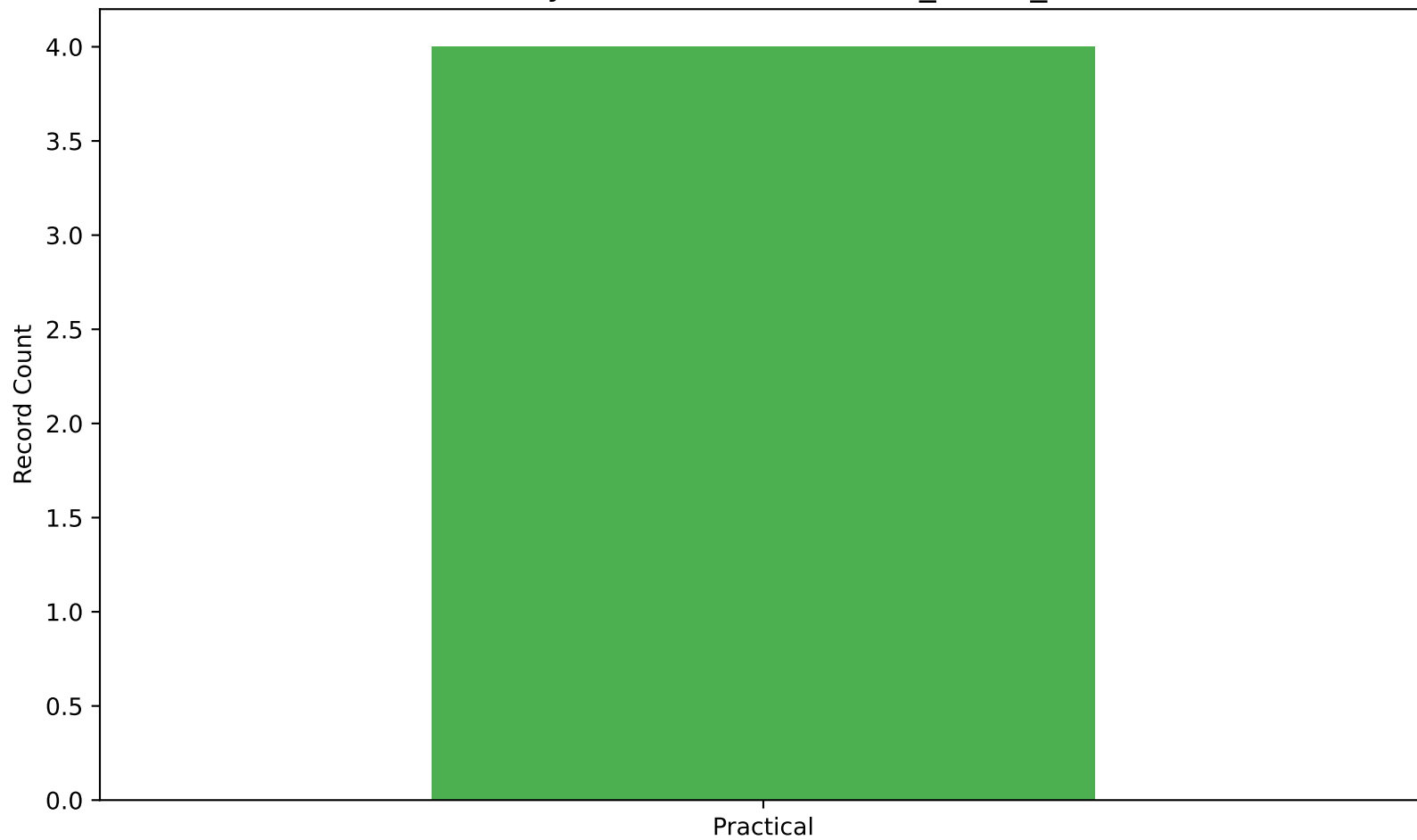


stress\_ratio Distribution for Cracking\_Corrosion\_Stress





Practicality Distribution for Ultra\_Clean\_Fluids



Sample Practical Records:

n_content	quartz_content	calcite_content	fluid_type	mud_weight	mud_viscosity	yp	gel_strength	ph	salinity	lime_content	rop	wob	
945657348633	39.07682800292969	19.506608963012695	Synthetic	10.186367988586426	46.516944885253906	12.925758361816406	11.110481262207031	7.832788467407227	19069.439453125	4.0941162109375	17.936887741088867	5456.4482421875	55.8
79190826416	46.074317932128906	17.952234268188477	Synthetic	10.052701950073242	39.49223709106445	22.624717712402344	18.742767333984375	6.551390171051025	10353.599609375	2.1726462841033936	23.014970779418945	20767.9140625	145.8
004840087891	35.430179595947266	24.725858688354492	Synthetic	10.16821575164795	49.67584991455078	19.690948486328125	15.913017272949219	6.6032843589782715	14736.5556640625	2.0352439880371094	28.49847984313965	14709.3037109375	119.8

Sample Non-Practical Records:

n_content	quartz_content	calcite_content	fluid_type	mud_weight	mud_viscosity	yp	gel_strength	ph	salinity	lime_content	rop	wob	
65565490723	46.0098991394043	19.633718490600586	Water-Based	13.48635196685791	34.116580963134766	18.950122833251953	14.287006378173828	8.903072357177734	14102.8271484375	2.340193271636963	14.541571617126465	15762.123046875	128.
80178833008	49.216732025146484	14.252405166625977	Oil-Based	13.135653495788574	48.67349624633789	13.496599197387695	7.356324672698975	6.52598762512207	28393.75390625	2.9113872051239014	24.096275329589844	6098.87451171875	57.
89767456055	38.695919036865234	20.1527156829834	Water-Based	13.232722282409668	34.22679901123047	23.690250396728516	14.076191902160645	6.715150833129883	22527.466796875	1.1526731252670288	22.666057586669922	17696.654296875	111.

End of Report

Formation Damage Management System