

# DEBRIS TYPE CHART

SOLIDS	
TYPE	SOURCE
Various sediments	Silt from production Sand from production
Barite	Mud settlement
Cement cuttings	Poor hole cleaning
Milled scale rust	Poorly prepared tubulars
Proppants	Introduced tubulars in to the well
Salt	Brine, formation
Scale	Water formation

SLURRIES/GUNK (VISCIOUS LIQUIDS)	
TYPE	SOURCE
Pipe dope	Installation of completions
Viscous muds	Milling fluid/ synthetic muds gelled oil based mud after mixing with water
Asphaltenes/ Black sticky stuff	Production fluids (highly well specific)

JUNK/RISKS	
TYPE	SOURCE
Seals/elastomeric materials	BOP stack/DHSV seals/ plug seals
Cement plugs/ float equipment	After drill out
Perforation debris	Perforation charges
Accidentally introduced materials	Dropped objects
Swarf	Milling operations