Rig Manufacturing is an international supplier of drilling fluid additives for the oil & gas drilling industry as well as for geothermal drilling applications worldwide. Our products are supported by lab personnel for any custom drilling program needs to help make our customers drilling operations successful.

WEIGHTING MATERIALS:
- Barite BaSO4, SG-4.0
- Barite BaSO4, SG-4.1
- Barite BaSO4, SG-4.2
- Hematite
- Ground marble (calcium carbonate)
- Ground Limestone (calcium carbonate)

FILTRATION CONTROL AGENTS:
- Resin Modified Lignite
- Preserved modified starch, Pregelatinized Starch
- High Temp Preserved modified starch, Pregelatinized Starch
- Modified Natural Polymer, Carboxy methyl starch
- Non ionic, cross-linked Starch for HTHP applications
- Polysaccharide derivative to control filtration in Mixed Metal Oxide system
- Sodium Carboxy methyl cellulose Low viscosity
- Sodium Carboxy methyl cellulose High viscosity
- Polyanionic cellulose-Low viscosity
- Polyanionic cellulose - Super Low viscosity
- Polyanionic cellulose Regular Viscosity grade
- High-quality, Medium Purity Polyanionic cellulose, Low viscosity
- High-quality Medium Purity polyanionic cellulose, Regular viscosity
- Syntheric polymer High temperature/High salinity Fluid loss controller
- Modified Starch for divalent drilling fluid system applications
- Specially processes blend of Polysaccharide derivative

THINNERS AND DISPERSANTS:
- Polymetric temperature stabilizer
- Resinated Lignite Complex
- Ground lignite
- Caustilized lignite
- Chrome lignite, sodium hydroxide, neutralized
- Ferrochrome lignosulfonate, Chrome lignosulfonate
- Chrome-free lignosulfonate, Environmentally acceptable thinner

VISCOSIFIERS:
- Sodium Bentonite
- Non treated Bentonite
- Gaur Gum, Viscosity & Fluid loss control in low solids mud
- Primary viscosifying polymer. Xanthan Gum
- Primary viscosifying polymer. Highly dispersible bio polymer. Xanthan Gum
- Liquifed xanthan gum, non-clarified
- Attapulgite clay
- Hydroxy Ethyl Cellulose polymer

LOST CIRCULATION MATERIALS:
- Micronized Cellulose fibre
- Sized Grade of Mica
- Ground nut shells
- Granular Graphite
- Granular Graphite/ Coke blend
- Blend of fibrous, flaky & granular LCM
- Cotton See Hulls
- Diatomaceous earth blend for preparing soft plugs for severe lost circulation

SHALE INHIBITORS & FLOCCULANTS:
- Broad-Cloud-Point, general-purpose polyglycol for low-salinity fluids and low temperatures
- Polyglycol for high-salinity fluids and high temperatures
- Low-Cloud-Point polyglycol for low-salinity fluids and low temperatures
- Medium-Cloud-Point polyglycol for moderate-salinity fluids and high temperatures
- Liquid Sodium-Silicate
- Potassium Silicate
- Dry HPMA polymer
- Liquid PHPA
- Readily dispersible PHPA Powder
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**SURFACTANTS & SPOTTING FLUIDS:**
- Surface tension reducer to prevent balling, drop sand & emulsify oil
- Stuck pipe liberator, Unweighted
- Weightable stuck pipe liberator, Liquid One-drum spotting Fluid
- Low Toxicity Stuck pipe Liberator/Spotting fluid
- Powder Spotting fluid, Stuck pipe liberator, sack

**BIOCIDES & SCAVENGERS:**
- Biocide Triazine base, Available in 50% & 78% active content
- Biocide Amine base, Quartenary Ammonium compounds
- Biocide Gluteraldehyde base
- Organic H2S scavenger, Triazine base
- H2S scavenger Glyoxal base
- BiSulfite-base oxygen scavenger
- Sulfite-based oxygen scavenger powder
- Sodium Erythorbate base oxygen scavenger
- ZINC OXIDE material reacts with sulfides to form ZnS

**DEFoAMERS & FOAMERS:**
- Alcohol-base defoamer
- Silicone-base defoamer
- Polyether Poyol based defoamer
- Foaming Agent Powder
- Foaming Agent Liquid

**LUBRICANTS:**
- Solid lubricant Spherical glass beads (or) Co-Polymer beads
- Premium Ester base lubricant
- Extreme-pressure water base lubricant
- Low toxicity Lubricant
- Unique metal-wetting & water dispersible lubricant
- Lubricant for SILICATE system
- Fatty esters and specialities based lubricant
- Water soluble brine lubricant
- Rate of Penetration (ROP) enhancer
- Liquid Asphalt for differential sticking prevention

**CORROSION & SCALE INHIBITORS:**
- Water soluble Film forming amine corrosion inhibitor used for drilling
- Film forming amine corrosion inhibitor used for drilling, Oil soluble & water dispersible
- General-use, all purpose water soluble Potassium salt-base inhibitor
- Phosphonate base Scale Inhibitor, inhibits scaling caused by calcium carbonate, calcium sulfate and barium sulfate
Rig Additives for Drilling Fluid & Completions

Rig Manufacturing is an international supplier of drilling fluid additives for the oil & gas drilling industry as well as for geothermal drilling applications worldwide. Our products are supported by lab personnel for any custom drilling program needs to help make our customers drilling operations successful.

- Amine corrosion inhibitor (15-20%) for clear completion/ Packer brines
- Amine corrosion inhibitor (30-35%) for clear completion/ Packer brines
- General-use, all purpose water soluble organo phosphorus-base inhibitor
- Filming amine type inhibitor for mono and divalent brines
- Low toxicity amine based corrosion inhibitor

WORKOVER, COMPLETION & DRILL IN PRODUCTS:

- Hydroxyl Ethyl Cellulose
- Liquid Hydroxyl Ethyl Cellulose
- Modified Starch derivative, cross linked Non-Ionic
- Premium grade clarified Xanthan gum
- Sodium Bromide
- High-quality polyanaionic cellulose Regular viscosity
- Calcium Bromide Liquid, used for mixing high density, solids free completion brines
- Amine corrosion inhibitor (15-20%) for clear completion/ Packer brines
- Amine corrosion inhibitor (30-35%) for clear completion/ Packer brines
- Calcium Carbonate Flakes
- Ground marble (calcium carbonate)
- Water soluble brine lubricant
- Mud cake clean up solvent
- Potassium Formate brine
- Whole Grain Silica, 50#, 100# and supersacks
- Specialty Screened Silica, 50# and supersacks, 60 mesh, 100 mesh
- Pulverized Silica Flour (Sand)
  - 120 mesh in 50# bags
  - 140 mesh in 50# bags
  - 200 mesh in 50# bags and supersacks up to 2500#
  - 270 mesh in 50# bags
  - 325 mesh in 50# bags
- Industrial Sands
  - #4 in 100# bags and supersacks
  - 20/40 in 50# bags
  - 16/30 in 50# bags
  - 12/20 in 50# bags
  - 30/70 in 100# bags
  - T-60 in 50# bags
  - KI-1800 in 50# bags (golf course sand)

COMMERCIAL CHEMICALS

- Calcium Chloride (CaCl2) powder is single salt used as soluble weighting agent and source of calcium
- CaCO3 is Acid Soluble weighting or bridging agent
- Sized Calcium Carbonate
- Sodium hydroxide to control pH
- Gypsum (Calcium sulfate (CaSO42H2O)) to treat carbonate contamination in high pH mud
- Calcium Hydroxide for Alkalinity control & bicarbonate contamination. Primary invert emulsion mud component
- Calcium Oxide
- KCl, Potassium Chloride
- KOH, Caustic Potash, Potassium Hydroxide
- Potassium Iodide used as a tracer in water base Mud
- Sodium Acid Pyrophosphate (Na2H2P2O7) is an effective dispersant and protect against cement contamination
- Soda Ash, Sodium carbonate to treat Ca ion out in makeup water and to remove Calcium Contamination particularly due to Anhydrite
- Magnesium Oxide, Anhydrous
- NaCl for weight up and Salt Saturated System
- Sodium Chromate, Na2CrO4, sodium salt in which chromium atoms are in the plus-6 valence state
- Sodium Dichromate, Na2Cr2O7, sodium salt in which chromium atoms are in the plus-7 valence state
- Sodium Nitrate, Long term tracer
- Zinc Bromide Liquid, used for mixing high density, solids free completion brines
- Citric Acid for Cement Contamination
- Sodium bicarbonate to remove calcium