

Polymers for the Oil & Gas Industry



INTRODUCTION

Our major principal is a leading supplier to the Oil and Gas industry.

Since 1990, they have delivered polymers and surfactants for EOR, Drilling and Fracking to suit the most testing of operational conditions.

Oil & Gas represents over 60% of their global revenue and Oil & Gas is where the company was founded.

Through technology development, highly efficient manufacturing and exceptional product quality, our principal is a leader in the field in Oil and Gas and the only Chinese polymer manufacturer with **REACH** registration.

Being one of only two companies worldwide that can produce the polyacrylate fluid loss additive previously known as CYPAN, making us the natural choice when looking for a reliable partner with cost effective products, depth of knowledge and application support.

Chemistry

Polyacrylate, methacrylate, acrylamide copolymers and DADMAC polymers with varying molecular weight and ionicity.



Drilling Fluid Additives

DrillChem

The DrillChem product offering has been successfully used for many years in water-based drilling fluids for viscosity modification, shale inhibition/clay stabilisation, fluid loss control and bentonite extension.

1. Viscosity Modification

Typically polymers are used on their own or in conjunction with bentonite, as extenders, increasing the fluid viscosity thereby resulting in improvements in the removal of cuttings, better control of mud densities and lubrication of the drill bit.

Our range of viscosity modifiers are effective in both fresh water and sea water.

Recommended products:

SHALE 100 and 200 solid grade polymers.



2. Shale Inhibition/Clay Stabilisation

The use of a shale inhibitor can improve the efficiency of solids removal and stabilise clay swelling. The shale inhibitor adsorbs onto the cuttings and borehole wall. As a result, larger cuttings return to the surface where they are removed across the shaker screen. As the inhibitor also adsorbs onto the surface of the borehole the stability of salt and clay formations will be improved.

Recommended products:

SHALE 100 and 200 solid grade polymers

3. Fluid Loss Control

The FLA range are sodium polyacrylate polymers with significant anionic charge designed primarily for control of fluid loss through development of a thin, tight filter cake against the wellbore during drilling. FLA 100 LV/HV not only perform in high solids dispersed systems, but they also proven particularly effective in low solids, non-dispersed muds.

Recommended products:

FLA 100 LV and 100 HV (Cypan equivalent) solid grade polymers



Fracture Fluid Additives

FracChem

Fracturing

Fracturing unconventional plays has evolved to allow commercial production from impermeable formations such as shale. Fracture fluids are complex blends designed to open up fractures, prevent their collapse, and preserve the formation in terms of bacterial activity and scale formation.

The volumes required during a multiple frac operation are enormous and require high rate injection. To achieve this polymers are added to reduce drag. Known as slick water the high molecular weight, anionic co-polymers extend laminar flow thereby enabling the rates required.

Recommended products:

FRAC 100 solid grade polymer

ACCREDITATION

Our principals are accredited to;

ISO 9001

the international Quality standard

ISO 14001

the international Environmental standard

OHSAS 18000

the international Occupational Health and Safety standard

NSF Certified

the approval for potable water and food industries



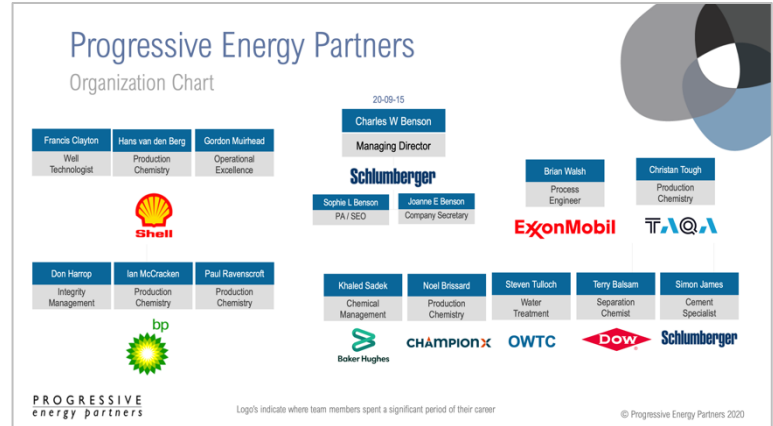


Progressive Energy Partners

Formed in 2016 PEP offers independent support in Production Technology from well integrity and well performance through to flow assurance, separation, water treatment and integrity management.

Our team of advisors represent some of the greatest leaders in their respective fields having on average more 25 years industry experience.

The move to offering products coincided with the onset of the Covid-19 pandemic, driven by a need to reduce the cost of water-based drilling fluids.



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