



Acidizing and Fracturing System

- ✦ **To control acidizing speed via gelling or retarding action**
- ✦ **To intensify acidizing effect by encouraging the formation permeability and depth of the treatment**
- ✦ **To prevent damage to the reservoir formation
(clay swelling, shale collapse)**
- ✦ **To protect steel casing and metal from corrosion**
- ✦ **To prevent emulsification between crude oil and acid during acidizing**
- ✦ **To block the formation of iron precipitate, avoiding the oil reservoir clogging**
- ✦ **To inhibit surfactants - corrosion inhibitor and non- emulsifier absorbing on stratum**
- ✦ **To improve fracturing efficiency and effect substantially by crossing linking/forming effect**
- ✦ **To thoroughly back-flush the used acid fluid and sediments from the reservoir**

Product Classification

Acidizing Enhancer by Multi-hydrogen Acid System

1. **Modified Guar Gum**
2. **High Performance Clay Stabilizer**
3. **Gelling Agent**
4. **Corrosion Inhibitor**
5. **Mutual Solvent**
6. **Forming Agent for Fracturing**
7. **Iron Ion Stabilizer**
8. **Non-Emulsifier**
9. **Clean-up Agent**
10. **Forming Agent**
11. **Temporarily Blocking-up Agent**

**For more information and sample request, please feel
free to Contact Us at info@nanhaichemical.com**