Dowell Gives Industry Three Services
Of Acidifying, Fracturing, Cementing

Almost from the beginning of the oil industry, man has been endeavoring to change the producing characteristics of formations so that they may give up more oil. This concept has never been more true than at present. The development of new fracturing techniques, as previously mentioned, has allowed the operator to fracture a formation in a controlled manner in order to achieve the desired end result. Dowell has been one of the leaders in this new technology.

The Dowell Technique

Dowell has developed a technique that involves the use of a fluid under high pressure to create fractures in the formation. These fractures allow the oil or gas to flow more freely to the wells. The technique involves injecting a fluid into a formation at a high pressure, which then fractures the rock and creates pathways for the oil or gas to flow. This process is known as hydraulic fracturing or acidizing.

The Benefits

The Dowell technique offers several advantages. It can increase the oil or gas production from a formation, reduce the cost of drilling new wells, and extend the life of an existing well. It can also be used in areas where other methods of oil recovery have been unsuccessful.

The Steps

The process of Dowell's technique involves several steps. First, the formation is prepared for the treatment. This may include the drilling of a new well or the re-entry of an existing well. Second, the fluid is mixed and prepared for injection. Third, the fluid is injected into the formation at a high pressure. Finally, the fluid is pumped out of the formation and the well is completed.

Conclusion

Dowell's technique is a valuable tool in the oil industry. It allows operators to increase the production from existing wells and extend the life of an oil field. As the demand for oil and gas continues to grow, the use of this technology will become even more important.

References