Article Side
Know about different computerized techniques followed by oil drilling companies by Rosetaylor

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Oil production is a detailed process which needs to be done very carefully, following various steps. It demands involvement of huge manpower and investment too. Apart from the main company, there are sub-contractors and agents who also play important roles in this regard.

Till the time the precious liquid starts flowing into holding tanks, the company personnel needs to be very cautious about proper execution of each and every step. To begin with, oil drilling companies need to acquire drilling rights from the owner before the actual process starts. Usually, it involves leasing the mineral rights of the property against which the company needs to pay a lease bonus or hole bonus for every well drilled on the leased land. After getting the right, actual drilling begins. There are different drilling techniques, the most common being â€˜The Rotary Drillingâ€™ method.

There are oil exploration companies based at Texas, which apply advanced techniques like 3-D and 4-D seismic imaging to accurately identify oil and natural gas prospects. This helps in reducing the exploration time and also eliminates the risk involved in drilling dry holes. Most important is that these techniques not only ensure best utilization of resources but also prevent environment pollution. The fact that these companies employ highly skilled manpower has further facilitated the exploration process.

Oil drilling companies from Texas have taken up coiled tubing technologies which are quite advanced in comparison to the conventional ones. A long, flexible coiled pipe string is used instead of the traditional rigid, jointed drill pipe. This helps in bringing down the drilling cost and time. Another method which is applied during oil extraction is fracturing. It helps create small fissures or fractures in underground rock formation which allows natural gas to flow into the wellbore and up to the surface. In this process, water, sand and small amounts of additives are pumped at extremely high pressure into the wellbore to help create the fissure. There are oil exploration companies based in USA which are very particular in following eco-friendly fracturing methods which donâ€™t contaminate groundwater reserves in any way. In their endeavor to search for better and safer techniques, these companies have invested millions of dollars in research and development activities. Besides, they have set up specific guidelines to be followed by company personnel and its vendors, regarding usage of safe chemicals only, during fracturing.

Though USA is considered a comparatively newcomer in the field of oil exploration, it has given special boost to drilling activities. The USA government has set up specific guidelines to ensure safer drilling practices. All these have encouraged several independent drilling companies to come up with cutting edge technologies which aim at presenting a safer and healthier environment. After achieving success at home ground, they now plan to expand their supply horizon overseas and also share their technology with other countries which are lagging behind in this field. These companies offer latest updates via their websites, about oil and natural gas sector and also about their ongoing projects. They also offer lucrative investment opportunities to retail and corporate investors.

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Rose Taylor has done thorough study on latest oil exploration techniques. He has been closely associated with Texas based a oil drilling companies and has shared his experiences in several online articles.

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