The vast majority of artificial lift deployments have been in vertical wells that produce oil and gas from conventional (i.e., nonshale) reservoirs. The last decade, however, has seen a dramatic shift to unconventional oil and gas production from horizontal wells

that stretch a lateral distance of one mile or more from the wellhead.

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Rod Lift Successful In Horizontal Wells

By Ryan Orr

EDMONION The yast majority of in them in the departments have been in-rential webs the produce of and gas from concentional (i.e., another) reser-rents. The last decrife, however, has seen a dramatic shift to unconventional off and any production from horizontal wells

and gas production from from one wells but should relater thermose it must mis-in more from the wellbrack. These long-discusse internal screens unique brotherion problems, such as logist heating in the internation scheme of the wellbury. Hereenial wells byscally or the restrict a reference of an enderspream y-mental unity increased and refere pressure, including trajectories the create fra-spets where water and other fluids can accumulate.

speis where water and other fields can accumulate. Return the second second second second second second into the second second sector and spe-instantical with indexed sector and spe-installayed of prospective fields and second sec-sing and gains with which a shortest de-propage, and gains with the second second into a second second second second second is a second second second second second into a second second second second second into a second second second second second is a second second second second second into a second second second second second into a second second second second second second second second second particle second secon

a suckey rod string consisting of individual so thread of an entrolly threaded con-sections at each end. A convertional

steker rod string requires a coupling every 22-30 feet to connect two sections of rod together. This anarous to handreds

of red basebar, this ansatzle to hanceds of a machine in more work. On times an ice work work is used to be a set of the set of the set of the replaced correlational sector role in 1887 and programs study memory system in many application. Continuous roles are a superior allemative to con-work work many application of a dimension work work many and memory manufacture systems. SCHOOL

Among the latest applications of con-tinuous sucker rod lift instems are hottorules subter rod into privers are hor-could wells in the Pertuin Dash, where red parties are used for articlast if in the cost mean to of producing wolfs, and where the integrates of multiple merses wellows in it resource plays continues in others a dramatic increase in horizontal crifting activity.

Design Delivers Benefits

Elisticating Incoded contractions pro-vides reversi well-known advantages over

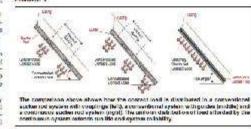
FIGURE 1

consentional sucher and surings. Each con-nection in a traditional sucket red string introduces a point of possible sature. Un Bucchaer a point of potential status, i.g. doi: to use the folgo: folgo: folgo: for example, and manual joint lightening can yield potent could of potent makeup lengue. In addition, a convertional red introduces erester schely risks because two dedicated

present activy networks could not obtained in generating the event of the other of a all discuss during inside print hereits. Continuous not acting, by contrast, require only two these dot contections and the log out one of the bettern at the string. The sign matching reduces up, time for presented on 1 speeds the matching time for presented the speeds the speeds the matching time for presented the speeds th

time for personnel on coverte the moment day forgen of the setting. Another key fourne of a continuous rod aring it is utilizen body design, which yields there mays results. First, the anti-an alongs in-the contast must keek to reason the fairing and the must be inneres approximation of the setting proping. The couplings is a conventional rod office set in a conventional rod.

suring set up concentrated contact loads



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