

**GOVERNMENT OF INDIA  
PETROLEUM AND NATURAL GAS  
LOK SABHA**

UNSTARRED QUESTION NO:2399  
ANSWERED ON:23.08.2013  
PRODUCTION OF OIL WELLS  
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**Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:**

- (a) whether a number of oil wells are producing less than their actual installed capacity as they have been operating on old and obsolete technology;
- (b) if so, the number of such oil wells till date, location and State-wise;
- (c) whether the use of newly developed technology can be beneficial to increase production from these oil wells; and
- (d) if so, the details thereof and the reaction of the Government in this regard?

**Answer**

Minister of State in the Ministry of PETROLEUM & NATURAL GAS (SMT. PANABAACA LAKSHMI)

(a) and (b) The oil wells are designed to produce oil at optimum levels based on several factors, such as reservoir and surface pressures, well productivity, fluid qualities and reservoir characteristics like porosity, permeability, size, age depth, drive mechanism etc which are field specific. The latest technologies are incorporated in well completion design by the Contractors to achieve the desired flow potential over a longer period and avoid incurring costs in frequent well workover/intervention jobs.

However, during the life of the well, the oil production rate from an oil well may decline for various reasons, such as natural decline in reservoir pressure, water/sand ingress and wellbore mechanical problems etc. Such sick wells are revived through well workover/intervention jobs, if economically viable. Accordingly, production rate of any well varies from field to field and also within the field because of the heterogeneity of the field/reservoir.

(c) and (d) : The Public Sector Undertakings (PSUs) and Private/Joint Venture (Pvt/Jvs) companies are undertaking various measures to increase oil production from the oil wells, such as periodical well intervention and workover jobs, well stimulation, installation of suitable artificial lift systems and adoption of various Improved Oil Recovery (IOR)/ Enhanced Oil Recovery (EOR) techniques etc.