

Study on Seismic Survey

1749. SHRI RAJKUMAR DHOT: Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) whether it is a fact that in certain areas where earlier seismic surveys conducted by ONGC, OIL, and others failed to locate presence of hydrocarbons have shown positive results by subsequent surveys conducted by private sector enterprises;

(b) if so, the details thereof;

(c) whether any study has been conducted to go into the causes for the failure of earlier surveys;

(d) if so, the details thereof; and

(e) if not, the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRIMATI SUMITRA MAHAJAN): (a) to (e) At present, it is only after drilling of a well and production testing that the presence of hydrocarbons, crude oil and/or natural gas, is established. Various kinds of surveys, such as Gravity Magnetic and Seismic, only serve to indicate some probability of occurrence of hydrocarbons. The success in discovery of hydrocarbons depends *inter alia* on the geological model of the area, which in turn keeps on getting refined with technological advancement and fresh data input. As such, revisiting exploratory acreages with refined models is an Upstream practice all over the world. Oil and natural gas discoveries have been made with improvement in technology, changes in geological insights after initial failures. As such, no adverse inference may be drawn about these failures nor is any study requisite.

Oil Reserve at Kutch

1750. SHRI KALAVENKATA RAO: Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) whether the Gas Authority of India Limited has struck oil reserves at Kutch in Gujarat;

(b) if so, the size of the reserve well drilled; and

(c) by when the commercial exploration is likely to start?