

IR20

Wellpad Development - Onshore Gathering Facilities (OGF) for Garraf Oilfield in Iraq

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SUMMARY

The full final Garraf field development will consist a total of 'X' wellpad which is generic design to each other. At the moment, 'X' that has already completed the construction and some are still under construction stage. The development concept grouped the wells in cluster enables each wellpad to consist a maximum of 28 wells in one location.

The major successful wellpad development contributes by the skidded drilling rig, trenches for piping flowlines, automated multiport flow selector skid and high-integrity pressure protection system. It is also supported by effective management strategy on having stock for the essential material as a back-up plan for any delayed in material delivery.

Finally the whole success was mainly due to the good synergies between Project & Engineering and Drilling team to enable both team to work in parallel as a team to bring wells into commercial production. Through close coordination between both parties, the Early Oil Scheme (EOS) was introduced as an initiative to produce the wells right after well handover from the Drilling team. This has resulted in early oil production for several days ahead of schedule.

The concept for oil and gas wellpad development in Iraq is always a challenge to the Major Oil Operators. Iraq oil field area is most challenging as compared to the other location that PETRONAS has ever developed before. It has given a valuable experience to the entire PETRONAS workforce. In 200X, Development and Production Service Contract (DPSC) was signed between PETRONAS and its JV with South Oil Company (SOC) to develop Garraf Field. Garraf Field is situated in the Southern part of Iraq, in the ThiQar Governorate, some 5km Northwest of Al Refaei city and 85km North of Nasiriyah.

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