

EGYPT

ABU GHARADIG BASIN

Lithology	Limestone
Well depth	11,740 ft [3,578 m]
Temperature	230 degF [110 degC]
Pressure	4,100 psi [28.3 MPa]
Horizontal section	2,000 ft [610 m]

Background

Khalda Petroleum Company needed to complete a stimulation treatment for a horizontal well in the Abu Gharadig field located in Khalda. During the operation, more than 6,000 bbl of treatment fluid was pumped and executed in different stages. Oil production steadily increased during each stage, from 780 bbl/d of oil after the mud wash stage, to 1,400 bbl/d after the matrix acid stimulation treatment with 2 million ft³ of gas, and 2,200 bbl/d after the installation of a large choke.

Technologies

- Active Matrix* live CT stimulation and conformance service
- MaxCO₂ Acid* degradable diversion acid system
- Active PS* live CT production logging service
- InterACT* global connectivity, collaboration, and information service

ACTive Matrix Service Stimulation Treatment Boosted Nonproducing Horizontal Well to 2,200 bbl/d

First-ever matrix stimulation treatment implemented in Egypt to boost flow in nonproducing well

