Omega
Completion Technology Ltd

Omega Case History

Baker 3.75” ARH Plug & Prong Retrieved In 78° Deviation Using Omega High Deviation Toolstring On Slickline.

Background & Objectives

- Deploy Omega High Deviation Wireline Toolstring in deviation up to 78° to target depth and retrieve both the prong and lock body.
- Retrieve the 3.75” ARH Prong.
- Retrieve the 3.75” ARH Plug from the nipple profile @ 3,910ft.
- Eliminate/reduce the high pressure drop across the HCM Plus sleeve by removal of the 3.75” ARH barrier.
- Carry out all operations using Slickline to minimise operational costs.

Results

- Initial attempts enable on location personnel to gain understanding of well parameters, resulting in tool reconfiguration.
- 3.75” ARH Prong successfully latched/pulled & retrieved back to surface.
- 3.75” ARH Plug latched easily and retrieved from nipple profile with only 4 fires of the Horizontal Self Cocking Jar.
- Oil production was increased due to successful retrieval of the 3.75” Prong & Lock Body.

Value To Client

- 3.75” ARH Plug and Prong successfully retrieved with the use of Slickline, negating the use/cost association of Coil Tubing deployment.
- Maersk gained an incremental oil rate of 1,700bopd due to the success of the operation.

CLIENT :
Maersk Oil

LOCATION :
Qatar

FIELD :
Al Shaheen

WELL NUMBER :
AB-22

WELL TYPE :
Oil Producer

TARGET DEPTH:
3,909 ft & 3,910ft

MAX DEVIATION:
78° @ 3,909 ft / 3,910ft

TUBING DETAILS:
4-1/2” Tubing 12.6 lbs/ft

TOOLING INFORMATION:

2.50” Omega Roller Subs c/w 3.60” Eff OD Wheels.

2.50” Omega Horizontal Self Cocking Jar.

2.50” Omega High Deviation Tubular Jar.

4.00” SB Pulling Tool for retrieving 3.75” ARH Prong.

4.00” GR Pulling Tool for retrieving 3.75” ARH Lock Body

CASE HISTORY