

Omega Case History

Omega High Deviation Toolstring Successfully Closes 4-1/2" HCM 'Plus' Hydraulic Sliding Sleeve In 81° Deviation.

Background & Objectives

- Carry out onshore testing to ensure 4-1/2" HCM can be closed at 90° using Omega tools including the 3.32" Catapult.
- Reach target depth of 3,960ft in 81° and engage 4-1/2" HCM shifting profile and close HCM sleeve by downward jar action.
- Reduce current high Gas/Oil Ratio (GOR) to enable Maersk to recommence production.
- Carry out all operations in a safe manner to all relative personnel and environment.

Results

- Successful testing carried out onshore prior to mobilization offshore.
- 4-1/2" HCM depth reached with Omega Roller Subs & High Deviation Tools.
- Omega tools carry out the successful closure of the 4-1/2" HCM Plus.
- Excellent impact gained downwards even in 81° with Roller Subs and High Deviation Tubular Jar.
- Subsequent well test provides positive results, a 5000bls/day increase in production is realized.

Value To Client

- After initial failure to close the HCM using a competitors roller system, the HCM was successfully closed with Omega toolstring.
- Coil Tubing was not required to manipulate the HCM sleeve, thus greatly reducing Maersk's operational cost's.
- Maersk gained an additional 5000bls/day of oil production due to the success of the operation.

CLIENT :

Maersk Oil

LOCATION :

Qatar

FIELD :

Al Shaheen

WELL NUMBER :

EA-01C

WELL TYPE :

Oil Producer

TARGET DEPTH:

3,960 ft

MAX DEVIATION:

81° @ 3,960 ft

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.

3.75" B Shifting Tool

