



Omega Completion Technology Ltd.

OMEGA CASE HISTORY

Utilisation of Command Activated Sandface Valves in a Water Injection application.

OBJECTIVES

- Deploy four (4) 5-1/2" CA-SFV's in Lower Completion section.
- Lower and Upper Completion deployment to require minimal intervention during installation.
- Remotely open the CA-SFV's from surface once Xmas Tree and injection line hooked up.
- Facilitate accurate water injection in the lower reservoir section to maximise production capability.

RESULTS

- All four (4) CA-SFV's successfully deployed.
- Lower two (2) valves opened upon unique pressure signal/ command from surface.
- Upper two (2) valves signalled and programmed to open 30 days later.
- Water Injection is commenced through lower two (2) CA-SFV's.
- Client evaluating new technique in injecting water at precise points of lower reservoir section to increase oil production in the field.

VALUE TO CLIENT

- Lower Completion deployed successfully and with no intervention required at all.
- Opening of Lower CA-SFV's witnessed via DHG and at surface via Command Interface
- Water injection is started and is pin pointed at lower section of reservoir section
- Upper CA-SFV's now counting down to open, no intervention again required
- Client evaluating value of CA-SFV technology in water injector in the coming months

CLIENT :

BP UK

LOCATION :

West Of Shetland, North Sea

FIELD :

Clair

WELL NUMBER :

A17

WELL TYPE :

Water Injector

LOWER COMPLETION:

5-1/2" 17lbs/ft liner

MAX DEVIATION:

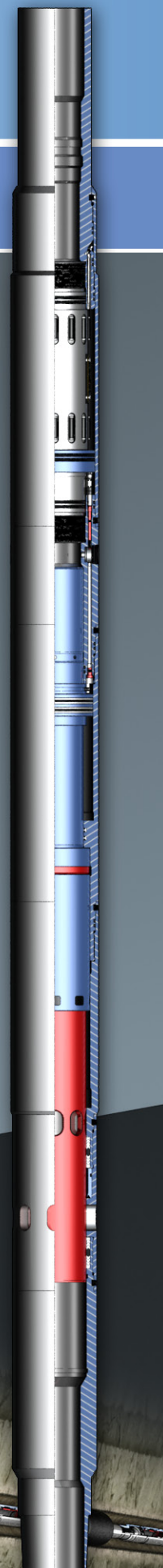
89.03 deg

OVERALL MD:

4105mtrs

OMEGA VALVE DEPTHS:

CA-SFV 3588.69mtrs
 CA-SFV 3660.82mtrs
 CA-SFV 3801.60mtrs
 CA-SFV 4000.31mtrs



REV 001: 26/04/10