



Omega Completion Technology Ltd.

OMEGA CASE HISTORY

Increasing Wellbore Productivity in A Long Horizontal Well By Enhanced Wellbore Clean Up - Fourth Well

OBJECTIVES

- To increase flexibility in Well start-up times by utilizing Command Activated Sand Face Valves.
- Eliminate problematic Downhole Barrier valve from the Lower Completion.
- Eliminate/Reduce Intervention costs.
- Reduce well costs by minimising rig time per well.
- Deliver x6 TA-SFV's, x4 CA-SFV's & x2 ELS's within 8 weeks.
- Successfully remotely open CA-SFV's from surface.
- Reach target depth & Close ELS after setting Liner Hanger.
- Sequentially Open all SFV's from Toe of well to Heel.
- Gain Oil Production from the Toe of the Well.
- Enhance production over length of well.

RESULTS

- All Omega Valves were delivered within 8 weeks.
- Well was handed over to production within 10 days.
- Barrier Valve eliminated from completion. No costly milling intervention required.
- Electronic Liner Shoe Closed successfully creating a Closed System.
- Command signal successfully sent to all CA-SFV's.
- Clear indication of SFV's Opening via 'Pressure Spikes' gained from DHG.
- Reduced Skin - Enhanced Clean Up.

VALUE TO CLIENT

- Sequential clean up of horizontal section achieved.
- Enhanced Oil production gained due to reduced skin.
- Large cost reduction in installation of Lower & consequently Upper Completion.
- Barrier Valve eliminated from completion.
- No costly milling intervention required.

CLIENT :

BP UK

LOCATION :

West Of Shetland, North Sea

FIELD :

Clair

WELL NUMBER :

GP-02 (A07)

WELL TYPE :

Oil Producer

LOWER COMPLETION:

5-1/2" 17lbs/ft Liner

MAX DEVIATION:

87.90 deg

OVERALL MD:

4035mtrs

OMEGA VALVE DEPTHS:

5-1/2" TA-SFV 2561.54mtrs
 5-1/2" TA-SFV 2747.24mtrs
 5-1/2" TA-SFV 2844.21mtrs
 5-1/2" TA-SFV 2966.51mtrs
 5-1/2" TA-SFV 3088.49mtrs
 5-1/2" TA-SFV 3261.17mtrs
 5-1/2" CA-SFV 3421.18mtrs
 5-1/2" CA-SFV 3550.23mtrs
 5-1/2" CA-SFV 3770.42mtrs
 5-1/2" CA-SFV 3981.98mtrs
 5-1/2" ELS 4026.37mtrs

