



Omega

Omega Completion Technology Ltd.

OMEGA CASE HISTORY

Pressure Build Up Well Analysis Utilizing 3.00" Shut In Tool Set In A 3.688" Nipple Profile.

OBJECTIVES

- Provide a second PBU using a Shut In Tool, to help identify the root cause of low productivity.
- The downhole Shut In Tool needs to provide a minimum period of 48 hrs in which to bring on the well and flow prior to activating.
- Deployment to be done by installing the S.I.T on a 3.688" Lock and setting in the 3.688" nipple profile @ 12,887ft.
- The S.I.T must be able to successfully operate in well temperatures of 165 deg C.
- Retrieval of the SIT c/w Extreme Quartz gauges will be done two weeks later.

RESULTS

- 3.00" S.I.T tested successfully at Omega to operate in 165deg after 48hrs.
- Large debris sump incorporated into design to minimize retrieval hazards due to debris build up.
- 3.00" SIT successfully deployed and operated after 48hrs.
- SIT retrieved after a total of 43 days downhole.
- Data successfully retrieved from Extreme Gauges and supplied to client.

VALUE TO CLIENT

- Reduce wellbore storage effect during data acquisition.
- Increased clarity of 'Early Time Gauge Data'.
- Potentially reduced the period the well had to be shut in during data gathering.

CLIENT :

Talisman

LOCATION :

North Sea UK

FIELD :

Clyde

WELL NUMBER :

A44z

WELL TYPE :

Producer Gas Lift

SHUT IN TOOL SIZE:

3.00" OD

TEMP RATING OF S.I.T:

160 deg C

CLOSURE DELAY:

48 Hours

SET DEPTH & DEPLOYMENT METHOD:

12,887ft on a 3.688" AFH lock

GAUGE INFORMATION:

Omega Data Extreme Quartz
Gauges deployed 10 second
sample rate.

