

Omega Case History

Gathering Reservoir Pressure & Temperature Data Combined With Drift To New H.U.D In Highly Deviated Well.

Background & Objectives

- Gather reservoir pressure & temperature data from well utilizing Omega Roller Gauge Carrier & Premier Quartz Gauges.
- Drift well to H.U.D with a 3.10" OD Variator Drift.
- Reach previous H.U.D depth of 10,008ft achieved by 2-7/8" Perforating Guns.
- Perform 5 minute gradient stops every 1000ft P.O.O.H.

Results

- Good reservoir data gained from deployed gauges.
- High Deviation toolstring, including Roller Gauge Carrier with 3.00" Eff OD Wheels fitted reach H.U.D @ 10,550ft.
- Additional 542ft of reservoir accessed and data gained.
- Well drifted with 3.10" Variator drift all in one run.

Value To Client

- New reservoir data used to plan next phase of well development.
- Single intervention provides real cost savings whilst gaining valuable well access and drift ID information.
- Additional 542ft gained during deployment highlights benefits of High Deviation Toolstring technology, with additional deployments being planned.

CLIENT :
Fairfield

LOCATION :
North Sea UK

FIELD :
Dunlin

WELL NUMBER :
DA-42

WELL TYPE :
Oil Producer

TARGET DEPTH:
10,000 ft

DEVIATION:
76.7 deg @ 10,550ft

TUBING DETAILS:
5.00" 18lbs/ft (4.276")

TOOLING INFORMATION:

2.50" Omega Roller Subs c/w 3.00" Eff OD Wheels

2.50" Omega Horizontal Self Cocking Jar

2.50" Omega High Deviation Tubular Jar

3.10" Variator Drift

Roller Gauge Carrier c/w 3.00" Eff OD Wheels & x2off Premier Quartz Gauges

