

Location: Offshore, Africa
Customer: International Oil Producer
Well Type: Oil Producer
Casing Sizes: 9-5/8", 2-7/8" tubing

Products/Services: 2-7/8" SIM Retrieval Bridge Plug, SIM Running Tool

Case Study Well Barrier & Isolation

Successful location and stabilisation of a leak path in the completion string

The Challenge

Wellbore leakage issues within the completion string were detected by the Customer and required investigation.

The Customer sought to confirm the area of pressure communication between the annulus and tubing on the completion string, but could not get to the XN nipple to set an isolation plug and therefore test the strings to determine which string was leaking.

Considerations

The objective was to locate and fix the leak path and ensure intervention was carried out safely and with zero downtime.

The solution had to be cost effective using Peak SIM Retrieval Bridge Plug inventory, owned by the Customer.

2

2-7/8" SIM Plugs set

36deg

Deviation of well

4.6 / 5

Customer satisfaction rating

“Excellent job, planning and execution.”
“I would definitely like to work with personnel again (sic).”
“SIM Plugs set ok first attempt...Good job”

International Oil Producer, Africa

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Peak's Solution

Peak worked proficiently with their Nigerian Partners to set a 2-7/8" SIM Retrievable Bridge Plug effectively at 8,739ft, with 36 degrees deviation on the long string.

Peak's SIM Plugs can pass through all standard completions allowing them to be mechanically set anywhere within the completion string, without the need for a nipple profile.

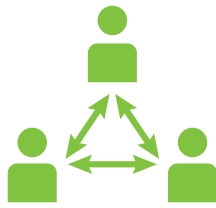
Pressure testing identified the string leakage as annulus to tubing communication higher up the completion.

A second 2-7/8" SIM Retrievable Bridge Plug was set at 8,212ft on the short string and a Back Pressure Valve (BPV) set higher in the long string, to stabilise the leakage and ensure well safe barriers were in place for workover operations.

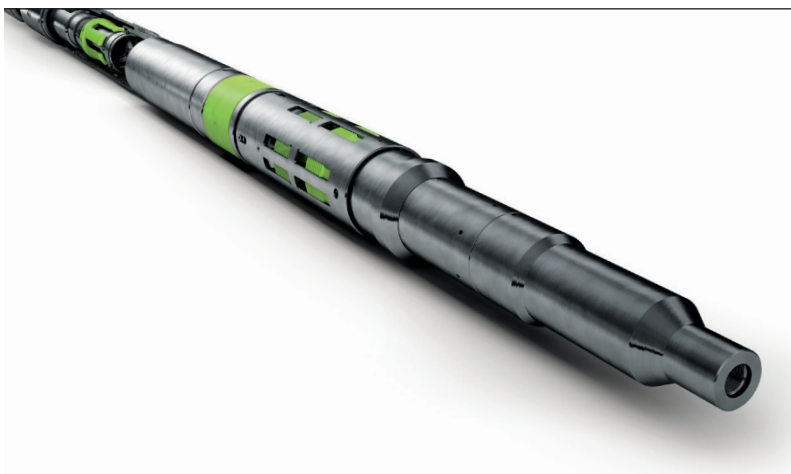
The SIM Plugs isolated the reservoir effectively and allowed the customer time to evaluate and investigate further options.

Value to Customer

- Peak provided an efficient and effective rig-less solution, utilising the Customer owned SIM Plug inventory. Peak's SIM Plugs were tested and set first time at depth and 36 degrees deviation
- Peak was able to isolate the reservoir without complications and ensure regulatory dual pressure barriers were in place, whilst a workover plan was considered



Successful communication between all parties



Product Code(s): SIM Running Tool - 350, SIM Retrievable Bridge Plug - 351

Contact: Global Business Development | info@peakwellsystems.com

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▲ SIM Running Tool

◀ SIM Retrievable Bridge Plug

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