

**CASE STUDY** 

# **OWEN OIL TOOLS**

12001 COUNTY ROAD 1000 GODLEY TEXAS 76044 WWW.CORELAB.COM/OWEN 1.800.333.6936



### CHALLENGE:

To lock Open SCSSV installed in a Mono-bore Subsea Completion in Deepwater Gulf of Mexico.

Provide positive lock with large serviceable I.D.

### **SOLUTION:**

Unique one trip Intervention with the Owen X-Span® SST Suspension Hanger system, using Electric wireline for easy conveyance of the installation.

#### **RESULTS:**

Successfully locked open the failed SCSSV flapper.

Removal, anaylsis and replacement of the SCSSV.

Performed second sucessful deployment on another well.

## **OVERVIEW**

An Operator in the Gulf of Mexico needed to lock open a Surface Controlled Subsurface Safety Valve (SCSSV) that had failed in the closed position. It was planned that the SCSSV would be removed and replaced during a future intervention. The SCSSV needed to be locked open without further damage to allow analysis of failure and eliminate the risk of flapper debris falling in to the wellbore causing issues with later interventions. Several options such as packers, thin wall expandable cylinders and special made collet tools were considered.

### **SOLUTION**

It was decided to use the Owen Oil Tools SSX-Span Suspension system which has been sucessfully deployed in various applications to suspend tubulars and sand screens in well bores. The SSX-Span Hanger system for this application incorporated forty feet of the X-Span large bore sections with a muleshoe on the bottom of the assembly to ease passage through the SCSSV. The complete assembly was run on electric line with an Owen Oil Tools multi stage setting tool and GRCCL for depth correlation.

### **RESULTS**

The SSX-Span system was set above the SCSSV with the X-Span sections deployed across the failed SCSSV flapper providing a positive lock in the open position without futher damage.

The Operator performed the same intervention on a second well with the same requirements and successful results.

The operator benefited from continued production until valves could be replaced during scheduled work overs.

Note: SPE -184805-MS