

## CASE STUDY



### CHALLENGE:

- Isolate 30 feet of depleted Production Perforations in a Monobore well system, with severely corkscrew tubular.
- Provide a high-pressure seal over perforations with large bore for re-frac application, at a low cost.

### SOLUTION:

Deploy the Owen Oil Tools X-Span® 2-7/8" Tubing patch system with coil tubing using the Owen Hydraulic setting tools.

### RESULTS:

- Installation of the X-Span Tubing patch with coiled tubing successfully isolated non-producing perforations,

The lower zone was successfully perforated, and fracture / stimulation completed for production testing of the new zone.

### OVERVIEW

A Production Company in Mississippi (USA) had several non-producing gas wells in an old field. The operator wanted to isolate existing perforations at 6600 ft. Vertical Depth then perforate and frac at different zone at 6800 ft. vertical depth and complete a production study of a new pay zone at 6800 ft. Vertical Depth. Four candidate wells were selected for the initial study.

### SOLUTION

Several attempts were made to run dummy patch assemblies to the setting depths on electric wireline. Due to severe corkscrewing of the tubulars in the well bore wire line deployment could not be achieved.

Owen Oil Tools hydraulic setting tools were then made up on coiled tubing with forty feet of 2 7/8 X-Span system, logged on to depth with GR/CCL, and set across the existing perforations at 6600 ft.VD and pressure tested. The well was then re-perforated, frac'd and stimulated in the new zone at 6800 ft.VD

### RESULTS

Two of the four wells recompleted with this method came back on to production resulting in overall field production gains for the operator.

