Pioneering 7Series Run Results in Rigless, Riserless P&A of 8 Wells

**CHALLENGES**
- Extremely sub-ambient production zones
- Communication between production tubing and casing complicated operation
- ‘B’ annular isolation required

**SUMMARY OF OPERATIONS**
- Pulled crown plugs with slickline
- Performed gauge ring runs with slickline
- Perforated production tubing and production casing with electric line
- Severed tubing with electric line
- Set cast iron bridge plugs with electric line

**ACHIEVEMENTS**
- Pumped lost circulation material with a designed cement rheology to mitigate sub-ambient conditions
- Gained access to ‘B’ annulus at mudline by hot tapping externally below the wellhead
- Perforated into the ‘B’ annulus through the production tubing and production casing
- Circulated a ‘B’ annulus cement plug
- Efficient plug and abandonments without using a rig or riser

**WELL FEATURES**

| TYPE: GAS | TREE TYPE: HORIZONTAL |
| WATER DEPTH: 200 FT | VESSEL: SAIPEM 3000 |
| SPECIAL TOOLING: HOT TAPPING EQUIPMENT | WIRELINE: 0.125-IN. |
| SLICKLINE, 7/32-IN. ELECTRIC LINE | PRODUCING ZONE DEPTHS: 7,600 FT MD |
| MASP: 4,500 PSI |