



Petrotime SLS Locator Seal Assembly with Feedthrough Feature Successful Application

Deployment at Well H05 of Offshore Suizhong36-1 Block, CNOOC of China

Background

CNOOC Bohai Bay required two of four product zones to injection water in one string completion in well H05 of Suizhou36-1 block control by surface through downhole cable between four tandem isolation sand control packers, while all seal assemblies must own feedthrough feature.

Completion Challenge

Both locator seal assembly top and seal assembly bottom are feedthrough $\frac{1}{4}$ " bore while packoff controlling cable pass through in concentric design for seal back to downhole sealbore extension below each packer making sure all seal assemblies meet original 4.75" seal diameter, pressure and temperature requirement.

Operation Result

Petrotime engineering group worked closely with CNOOC ETS to design, manufacture, test and run feedthrough locator seal assembly successfully at well H05 of Suizhong 36-1 block, Bohai bay offshore CNOOC China. All downhole tools worked well and achieve customer's operation target. Both end user and ETS were satisfied with Petrotime's design capability and tools' reliability & performance.

 预置电缆测调分注工艺修井后管柱示意图

序号	名称规格型号	外径 (in)	内径 (in)	长度 (m)	深度 (m)
1					
2					
3	油管挂3-1/2"EUE B×B	10.886	3.150		
4	X/O 3 1/2"EU P X 4.5"NU P	3.500	2.992		
5	4.5" NU 油管	4.500	3.958		
6	3-1/2"SCSSV EUE B×P及变扣	5.200	2.813		
7	4.5" NU 油管	4.500	3.958		
8	滑套及变扣	4.550	2.813		
9	6" 过电缆定位密封	6.000	2.441	2.120	
10	2#自动测调配水工作筒	4.567	1.732	1.408	
11	4.75" 过电缆插入密封	4.750	2.283	1.448	
12	4#自动测调配水工作筒	4.567	1.732	1.408	
13	4.75" 插入密封	4.750	2.283	1.448	
14	2-7/8" 盲堵	2.875	1.732	1.408	
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