

Difficulties in anti-corrosion and thermal insulation joint work of acid gas pipeline in mountain area

Wu yiming¹

(*Second Gas Production Plant of Sinopec Southwest Oil and Gas Company, Langzhong 637400*)

Abstract : Aiming at the problem of pipeline external corrosion caused by many factors, such as the existing process of anti-corrosion joint coating operation of oil and gas pipelines in mountainous areas can not effectively judge whether the foaming is complete, the water inflow of foam insulation layer is serious, and the material acceptance link is relatively lacking, the literature of pipeline external corrosion anti-corrosion joint coating is sorted out, and the formation mechanism of pipeline external corrosion in mountainous areas is discussed. The difficulties and key points of on-site anti-corrosion joint coating operation are summarized, and the anti-corrosion and heat preservation operation methods of mountain gathering and transportation pipelines suitable for the unique pipe-soil coupling, internal and external medium synergy and multi-physical field influence in mountainous areas are explored.

Keywords : anti-corrosion joint, gathering pipeline, mountain area