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中国石油首个咸水层 CCS 试注项目启动

2024 年 7 月 12 日上午,中国石油首个咸水层 CCS 试注项目在南方油田福山探区金凤 7x 井场正式启动。这代表着中国石油在南方地区低碳产业布局和转型发展驶向快车道。

咸水层 CCS 是实现二氧化碳规模埋存的有效途径。研究表明,咸水层封存潜力巨大,对实现碳减排具有重大意义。中国石油南方油田持续攻关咸水层 CCS 技术,在海南省“揭榜挂帅”重点研发专项和中国石油“基础前瞻”科技专项的支持下,取得了阶段性进展。该项目可为国内咸水层 CCS 方案编制标准和规范制定、咸水层 CCS 封存技术和商业模式探索提供第一手资料,同时也为中国石油和海南省参与国内及国际碳排放权交易拓展新的应用场景。

南方油田布局 CCUS 相关技术已 10 余年,不仅打通了 CCUS 全产业链流程,而且实现了较好的经济效益,内部收益率达到 13% 以上。未来,南方油田将深度融合“CCUS 降碳、CCS 固碳、新能源减碳”,推动油气产业与负碳产业融合发展,积极融入海南省西部工业走廊绿碳产业链建设,加快培育负碳技术向未来产业延伸,以实际行动为实现“双碳”目标贡献石油力量。

(杨 寒 摘编自中国石油新闻中心 <http://www.news.cnpc.com-cn/system/2024/07/15/030137084.shtml>)