

ISO 7055:2023-08 (E)

Natural gas - Upstream area - Determination of drag reduction in laboratory for slick water

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	2
4.1	Working principle of drag reduction test by fluid flow loop	2
4.2	Calculation formula	2
5	Measurement device	3
5.1	Fluid flow loop	3
5.1.1	Mixing tank	3
5.1.2	Test pipe	3
5.1.3	Pump	3
5.1.4	Flow meter	3
5.1.5	Pressure sensor	3
5.2	Electronic balance	3
6	Reagents and materials	3
6.1	Water	3
6.2	Additive	3
7	Measurement	3
7.1	Preparation	3
7.2	Measurement of drag reduction	4
7.3	Data processing	4
7.4	Protocol	4
8	Repeatability	4
Bibliography		5