

ISO 17078-4:2010-04 (E)

Petroleum and natural gas industries - Drilling and production equipment - Part 4: Practices for side-pocket mandrels and related equipment

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Abbreviations and symbols	5
4.1 Abbreviations	5
4.2 Symbols	5
5 Guidelines for application of side-pocket mandrels and related equipment	6
5.1 General	6
5.2 Interface compatibility issues	6
5.3 Test facility for flow-control-device performance testing	6
5.4 Set-up and calibration of flow-control devices	6
5.5 Pre-installation and post-removal inspection, testing, and maintenance	6
5.6 Reconditioning side-pocket mandrels and related products	6
5.7 Reconditioning shops and shop personnel	6
5.8 User/purchaser functional specification templates	7
5.9 Supplier/manufacturer product data sheets	7
Annex A (informative) Interface compatibility issues	8
Annex B (informative) Test facilities for flow-control device performance testing	9
Annex C (informative) Set-up and calibration of flow-control devices	16
Annex D (informative) Pre-installation and post-removal inspection and testing	19
Annex E (informative) Reconditioning side-pocket mandrels and related equipment	22
Annex F (informative) Reconditioning shops and shop personnel	28
Annex G (informative) User/purchaser functional templates for side-pocket mandrels and related equipment	32
Annex H (informative) Supplier/manufacturer product data sheet templates for side-pocket mandrels and related equipment	41
Bibliography	47