

CAMERON® FLEXPACKER-NR™

7-1/16" - 10,000 psi U Type Blowout Preventers

Purpose

To provide information on recent qualification test results and availability of a previously developed FLEXPACKER-NR™ packer for the 7-1/16"-10,000 psi CAMERON U™ BOP.

Qualification Requirement

API 16A 2nd Edition, Appendix B, Fatigue Test



Field Test Conditions

BOP Used	CAMERON 7-1/16"-10,000 psi U BOP
Test Fluid	Water
Test Temperatures	Approximately 75 °F
Test Pressure	10,000 psi
BOP Operating Pressure	1500 psi

Test Procedure

API 16A 2nd Edition, Appendix B, Fatigue test- 546 closures including 78 rated pressure test on the smallest and largest pipe sizes in the packer specified range. Qualification testing completed in September and October 2004.

Results

FLEXPACKER-NR in pipe size ranges 1-1/2" x 2-3/8", 2-3/8" x 2-7/8", and 2-7/8" x 3-1/2" successfully completed API 16A, 2nd Edition, Appendix B Fatigue Test (546 closures and 78 pressure tests) at ambient temperature. One half of the pressure and closure

tests were conducted on the smallest size pipe in the packer range and the other half were conducted on the largest size pipe in the packer range.

- FLEXPACKER-NR packers are designed to fit into standard fixed bore rams.
- 1-1/2" x 2-3/8" FLEXPACKER-NR fits into a standard 2-3/8" fixed bore ram P/N 644501-06
- 2-3/8" x 2-7/8" FLEXPACKER-NR fits into a standard 2-7/8" fixed bore ram P/N 644501-07
- 2-7/8" x 3-1/2" FLEXPACKER-NR fits into a standard 3-1/2" fixed bore ram P/N 644502-01-00-01

Applicable Part Numbers

BOP SIZE	PRESSURE RATING	DESCRIPTION	PART NUMBER	USE WITH RAM P/N
7-1/16"	10,000 psi	FLEXPACKER-NR 1-1/2" x 2-3/8"	2232367-01	644501-06
7-1/16"	10,000 psi	FLEXPACKER-NR 2-3/8" x 2-7/8"	2232367-02	644501-07
7-1/16"	10,000 psi	FLEXPACKER-NR 2-7/8" x 3-1/2"	2232367-03	644502-01-00-01

Notes:

1. FLEXPACKER-NR packers are molded using CAMLAST™ elastomer. This elastomer compound has been successfully tested for extended periods of time in the 13-5/8"-10,000 psi FLEXPACKER-NR at 200 °F. This CAMLAST elastomer compound has also been exposed to H₂S levels up to 35% in drilling applications without failure.
2. Test results of the 7-1/16" FLEXPACKER-NR at 10,000 psi are available. Contact your Cameron representative.