

Petroleum Exploration (Pvt.) Limited

DOWNHOLE COMPLETION EQUIPMENT BADAR-3

| S. No | Description | Unit | Quantity Required |
|----------|--|------|-------------------|
| 1 | Completion Assembly | | |
| 1 | Half Mule shoe/Wireline Re-entry Guide: Wireline re-entry guide with half mule shoe. 4-1/2" 12.6 ppf Gas Tight Premium connection Box Up . Material: L-80 or equivalent | No | 1 |
| 2 | Spacer Tube: 10 ft long, 4-1/2" 12.6ppf Gas Tight Premium connection Box Up x Pin Down. Material: L-80 or equivalent | No | 2 |
| 3 | Bottom No-Go Landing nipple: Size 3.813". No-Go ID=3.725 Profile OTIS Type "XN" or Baker Type "R", 4-1/2" 12.6 ppf Gas Tight Premium connection Box Up x Pin Down. Material: Flow wetted 9Cr-1 Mo L-80 or equivalent | No | 1 |
| 4 | Perforated Pup joint: 10 ft long, 4-1/2" 12.6 ppf Gas Tight Premium connection Box Up x Pin Down. Material: L-80 or equivalent | No | 1 |
| 5 | Top No-Go Landing nipple: Size 3.813" Profile OTIS Type "X" or Baker Type "F", 4-1/2" 12.6 ppf Gas Tight Premium connection Box Up x Pin Down. Material: Flow wetted 9Cr-1 Mo L-80 or equivalent | No | 1 |
| 6 | Spacer Tube: 10 ft long, 4-1/2" 12.6 ppf Gas Tight Premium connection Box Up x Pin Down. Material: L-80 or equivalent | No | 1 |
| 7 | Casing Sub/X-over: To connect Spacer tube with Permanent Packer Bottom. Material: L-80 or equivalent | No | 1 |
| 11 | Production Packer: Hydraulic Set, Permanent type, to be Set in 7"Casing 23-32 ppf casing), Packer Seal Bore ID 4", Rubber Elements compatible with 2~5% CO2 , H2S = 0 ppm, Pressure Rating 5000 psi & Temperature ±300 °F . Material: L-80 or equivalent. | Set | 1 |
| 12 | Sub/X-over: To connect Spacer tube with Permanent Packer Top. Material: L-80 or equivalent , Top Connection 4 1/2" 12.6 ppf Gas Tight Premier Connection | Set | 1 |
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| 2 | Subsurface Flow Control Equipment | | |

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| 1 | Sliding Sleeve Door: Profile: OTIS 'X' or Baker "F" Equivalent ; ID 3.813", Elastomers: Non-Elastomeric Seals, Connections: 4-1/2" 12.6 lbs/ft Gas Tight Premium connection Box up X 4-1/2" 12.6 lbs/ft Gas Tght Premium Connection Pin down. Material: L-80 or equivalent | No | 1 |
| 2 | Shifting Tool: For Sliding Sleeve door of 3.813" | No | 1 |
| 3 | Separation Sleeve: Separation Sleeve for Sliding Sleeve Door of 3.813 profile: w/equilizing feature for retrieval) Rubber Elements compatible with 2~5% CO2 , H2S = 0 ppm, Pressure Rating 5000 psi & Temperature ±300 °F, Mention ID through separation sleeve. | No | 1 |
| 4 | Redress Kit: for Separation Sleeve of 3.813, Rubber Elements compatible with 2~5% CO2 , H2S = 0 ppm, Pressure Rating 5000 psi & Temperature ±300 °F | Set | 1 |
| 5 | Running Tool Assembly: For separation sleeve of 3.813" | Set | 1 |
| 6 | Pulling Tool Assembly: For separation sleeve of 3.813" | Set | 1 |
| 7 | Flow Coupling: (To be installed above & below TRSCSSSV), 4-1/2" 12.6bs/ft Gas Tight Premium Connection Box up X 4-1/2" 12.6lbs/ft Gas Tight Premium Connection Pin down. Material: L-80 or equivalent. | No | 2 |
| 8 | TRSCSSSV: Tubing Retrievable Surface Controlled Sub Surface Safety Valve: With Self Equalizing Feature C/W Nipple Adapter Lock profile & Bottom Sub, Max OD should be less than 6", Size: 4-1/2", Metallurgy compatible to 2~5% CO2 , H2S = 0 ppm, Working Pressure: 5,000 psi, Connection: 4-1/2"12.6lbs/ft Gas Tight Premium Connection Pin x 4-1/2" 12.6lbs/ft Gas Tight Premium Connection Box; Profile: OTIS 'X' or Equivalent ; ID: 3.813", Temperature rating: 20-250°F; Type: Flapper. Flow wettted material: 13Cr-L-80 or equivalent (Including 2 sets of: Jam Nut, Front & Rear ferrule fittings for 1/4" continuous hydraulic control line) | No | 1 |
| 9 | Control Line for TRSCSSSV: Bare Seamless Control Line for TRSCSSSV, Size: 1/4" X 400 ft long, Material: 316 stainless steel | Roll | 1 |
| 10 | Band-IT Buckles: size 3/4" | No | 100 |
| 11 | Banding straps | Ft | 100 |
| 12 | Control Line Tube Cutter | No | 1 |
| 13 | Band It-Tool | No | 1 |

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| | 14 | Hold Open Sleeve (for TRSCSSSV 3.813") | No | 1 |
| | 15 | Running Tool Assembly: for Hold open Sleeve of 3.813" TRSCSSSV | Set | 1 |
| | 16 | Pulling Tool Assembly: for Hold open Sleeve of 3.813" TRSCSSSV | Set | 1 |
| | 17 | Blanking Plug Assembly: For Top No-Go Landing Nipple, OTIS "X" or Baker "F", size 3.813". Rubber Elements compatible with 2~5% CO ₂ , H ₂ S = 0 ppm, Pressure Rating 5000 psi & Temperature ±300 °F | Set | 1 |
| | 18 | Redress Kit: For Blanking Plug assembly size 3.813", Top No-Go Landing Nipple, Rubber Elements compatible with 2~5% CO ₂ , H ₂ S = 0 ppm, Pressure Rating 5000 psi & Temperature ±300 °F | Set | 1 |
| | 19 | Running Tool Assembly: for Blanking Plug of Top No-Go Nipple 3.813" | Set | 1 |
| | 20 | Pulling Tool Assembly: for Blanking Plug of Top No-Go Nipple 3.813" | Set | 1 |
| | 21 | Instrument Gauge Hanger: To be set in bottom No-Go profile size 3.456", OTIS "XN" Nipple or Baker Type "R", Vendor is requested to mention the flow area through hanger. | Set | 1 |
| | 22 | Running Tool Assembly: for Gauge Hanger of 3.725" profile | Set | 1 |
| | 23 | Pulling Tool Assembly: for Gauge Hanger of 3.725" profile | Set | 1 |
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