CHECKLIST AND DRAWING MINIMUM CHOKE MANIFOLD EQUIPMENT REQUIREMENTS (ATTACHMENT 3 TO BID SHEET AND WELL SPECIFICATIONS)

| 5000 | P 51 | WORKING | PRESSURE |
|------|------|---------|----------|
| | | | |

TO BE INSTALLED AFTER SETTING 8-5/8 INCH CASING

Contractor or Pzt, to furnish items checked (X). See attached drawing.

| No. | ltem. | | Type | Press. | Furnished By | |
|-------|---|--------------|--------------|---------------------------------------|--|--|
| | | Size | | Rating | Contr. | Pzi, |
| | | | | | | |
| , | Chake Line from BOP stack (same as Item No. 13 on | | 1 | | | |
| . | Attachment 2) | 2 | Weld or Floe | 5000 | • | 1 |
| 2 | Woy Cross, 2 in. × 2 in. × 2 in. × 2 in. | | Floe | 5000 | X | ļ |
| 3 | Gote Valve | | /16" Flae | 5000 | | - |
| 4 | Pressure Sensor | | 7.10 7.192 | 2000 | ^ | |
| 5 | Pressure Gauge | 1 | Thd | 5000 | X | |
| 6 | Gote Valve | 2 | Fige . | 5000 | | |
| 7 - 1 | Gate Valve | 2 | Floe | 5000 | X | |
| દે (| Gate Valve | 2 | Flae | 5000 | | |
| 9 | Way Cross, in. x in. x in. x in. | | | | ^ | |
| 10 | Woy Cross, in. x in. x in. x in. | | | | · . | |
| 11 | Adjustable Choke | 2 | Flae | 5000 | X | |
| 12 | Positive Choke | 2 | Floe | 5000 | | |
| 13 | Hydroulically Operated Chake | T | 1 | | | |
| 14 | Forged Extension Spool | | | | | |
| 15 | Hydroulically Operated Gate Valve | - | | | | |
| 16 | Hydraulically Operated Gate Valve | | | | | |
| 17 | Line to Low Pressure Header | 2 | Welded | 1000 | X | |
| 18 | Line to Low Pressure Header | 2 | 11 11 | 1000 | x | |
| 19 | Line to Burn Pit | 2 | Weld on Thd | 1000 | Î | |
| 20 | Line to Burn Pit | 2 | Welded | 1000 | x | |
| 21 | Line to Reserve Pit | 2 | Weld on Thd | 1000 | , x | |
| 22 | Line to Mud Pit | 2 | Weld on Thd | 1000 | 1 · x · | - |
| 23 | Line to Mud/Gas Separator | 2 | Weldon Thd | 1000 | · · | |
| 24 | Heoder | | 10010010 122 | 1000 | ^ | |
| 25 | Heoder | | | · · · · · · · · · · · · · · · · · · · | | |
| 26 | Gate Valve | 2 | Floe | 1000 | | |
| 27 | Gate Valve | 2 | Flae | 1000 | + | <u> </u> |
| 28 | Gate Valve | 2 | Flae | 1000 | | <u> </u> |
| 29 | Gote Valve | 15 | Floe | 1000 | | X - |
| 30 | Gate Valve | 1- | V 19E | _1000 | | X |
| 31 | Gate Valve | | | | + | |
| ? | Bose for Choke Manifold | | | | | |
| 33 | Block Tee, in. x in. x in. x | | | | | |
| 34 | Tee 2 in. x 2 in. x 2 in. | 2 | Floe | 1000 | | Y |
| 35 | Tee 2 in. x 2 in. x 2 in. | 2 | Flge | 1000 | | Î |
| 36 | Operating Consoles for Hydroulic | | 1195 | 1000 | | |
| | Choke | | | | 1 | İ |
| 37 | Line to Low Pressure Header | | | | | |
| 39 | Line to Reserve Pit | | | | 1 | |
| 39 | Line to Mud-Gos Separator | | | | | |
| 40 | Line to Mud Gas Separator | | | | | 1 |
| 41 | Line to Burn Pit | | | | 1 | † |
| 42 | Forged Extension Spool | | | | 1 | 1 |
| 43 | Way Cross, in. × in. × in. × in. | | | | | |
| 44 | Gote Valve | | | | 1 | 1 |
| 45 | Gote Volve | | | | T | 1 |
| 46 | Gote Volve | L | | | | |

^{*}Line sizes to be inside diameter.

Volves, spools and prevenier sizes to be base dimension.

Header size to be outside diameter.

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