

- | | <u>DRILLING</u> | <u>RUNNING CASING</u> |
|-----------|-----------------|-----------------------|
| UPPER RAY | DRILL PIPE | CASING |
| LOWER RAY | BLIND | BLIND |

10. CHUCK MANIFOLD, BEYOND SECOND VALVE FROM CROSS MAY BE OPTIONALLY POSITIONED OUTSIDE OF SHOOTING CURVE.

- NOTE: ALL UNMARKED VALVES MAY BE
PLUG OR GATE VALVE, METAL
TO METAL SEAL.

