Drilling Manual CNG Producing Company — New Orleans

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٧		Well Control	Page 61	76
Subject:	10,000#	WP Three Ram BOP Stac	:k	
		EXHIBIT "C"	40=4	

10,000# WP THREE RAM BOP STACK

1. 5000# WP annular preventer.

2. 10,000# WP ram preventer (one double preferred - two singles allowed).

3. 10,000# WP ram preventer.

4. Drilling spool 10,000# WP flanged with 2 - 4" 10,000# WP flanged outlets.

5. Casing spool 10,000# WP flanged top.

- 6. 4" 10,000# WP flanged gate valves (plug valves allowed).
- 7. 4" 10,000# WP flanged HCR valve (closed while drilling).
- 8. 2" (min) 10,000# WP flanged check valve.
- 9. 1-13/16" (min) 10,000# WP flanged gate valve.
- 10. Hammer union for emergency tie-in to high pressure unit.
- 11. Bell nipple ID to be equal to or exceed ID through BOP stack and wellhead.

 Must be able to be removed through rotary table without using a welder.

CHOKE MANIFOLD

- 12. 10,000# WP gate or plug valve (2", 3", or 4" allowed).
- 13. Pressure gauge.
- 14. Auto adjustable choke.

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- 15. Manual adjustable choke.
- 16. Choke header to be targeted opposite flow inlets.
- 17. Choke manifold to be positioned beyond edge of the substructure (land only).
- 18. Pressure rating of manifold will be equal to rating of the ram preventer.
- 19. BOP's and choke manifold to be firmly braced.
- 20. Remote controls to be positioned in a safe readily accessible location.
- 21. Variable rams may be used in the bottom ram cavity when using a tapered string.

NOTE: The valve arrangements shown represent minimum standards. Variations or additions must be cleared through the Drilling Superintendent.

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į	Effective	Revised	Add	Replace
1	FEBRUARY 19, 1988			