



Primary Equipment



Major Systems	Secondary Systems
Drawworks Continental Emsco C1 1500HP Low Low rated 708,100# single line pull Hoisting Capacity (10) lines Driven by two GE 752 DC motors	Baylor 7040 Electric Brake 1-3/8" WireRope 6 x 19 EIP IWRC
Prime Power Omron/ SCR System, 4 Generator Bays, 4 SCR Bays 4-Caterpillar 3512B w/ Kato 1365 KW AC Gen Sets	Cold Start air system, primary Rig Air supply, floor hoisting systems Fuel Capacity 18,000gal & Water Storage Capacity 500bbl
Mast/Substructure IDS 142' 750,000# Hook load with 25' Box on Box Substructure Crown Block 6-50" Sheaves 1-3/8" Groove Fastline 1-50" 1-3/8" Grooved	Rotary load 750,000# Set Back 600,000# Tool Pusher and Crew quarters rig matting boards
Top Drive - Traveling Block - Pipe Handling NOV TDS 11SA VF AC 500Ton Gardner Denver 500 Ton Block SJPetro 27 1/2" Rotary /Hydraulic Driven Varco ST- 80 Iron Roughneck Walking System - 150' X,Y	Martin-Decker Type E, Pump SPM & PSI, Top Drive control, SCR system controls & MU/BO Torque Manual Tongs, elevators, slips and clamps for Latshaw supplied DS
Mud Pumps 3 - NOV FD-1600 1600HP 7,500#WP PSI Fluid Ends and delivery system Driven by (2) GE 752 DC motors each	Church Energy 3,000PSI Accumulator, 180 gal, 6 station w/remote 6-NOV Max2000 10HP Mud agitators
Mud System 2 - Tank system (1,200bbl Capacity) w 100bbl TT 2 - Brandt King Cobra Venom Shakers	NOV Brandt Desander 3- 10" Cones w/6 x 8 Centrifugal driven by 100HP Motor NOV DeSilter 16-4" Cones w/ 6 x 8 Centrifugal driven by 100HP Mtr
BOP Stack Description 13 5/8" 5,000#WP Annular 13 5/8" 5,000#WP Double Ram	Cameron Type FC 4 1/16"5,000#WP x 3 1/16" 5,000#WP Choke Manifold NOV Brandt D-1000-C Degasser
Drill String 8 " and 6-1/2" Drill Collars 5" Drill Pipe	5" 19.5# G-105 and S-135

Annular

13 5/8" 5,000#WP

Double Ram

13 5/8" 5,000#WP Pipe

13 5/8" 5,000#WP Blnd

With required adaptors

Mud Cross 11" 5,000#WP

Wing Valve 4 1/16" 5,000#WP

HCR Valve 4 1/16" 5,000#WP

2-Kill Valves 2 1/16" 5,000#WP

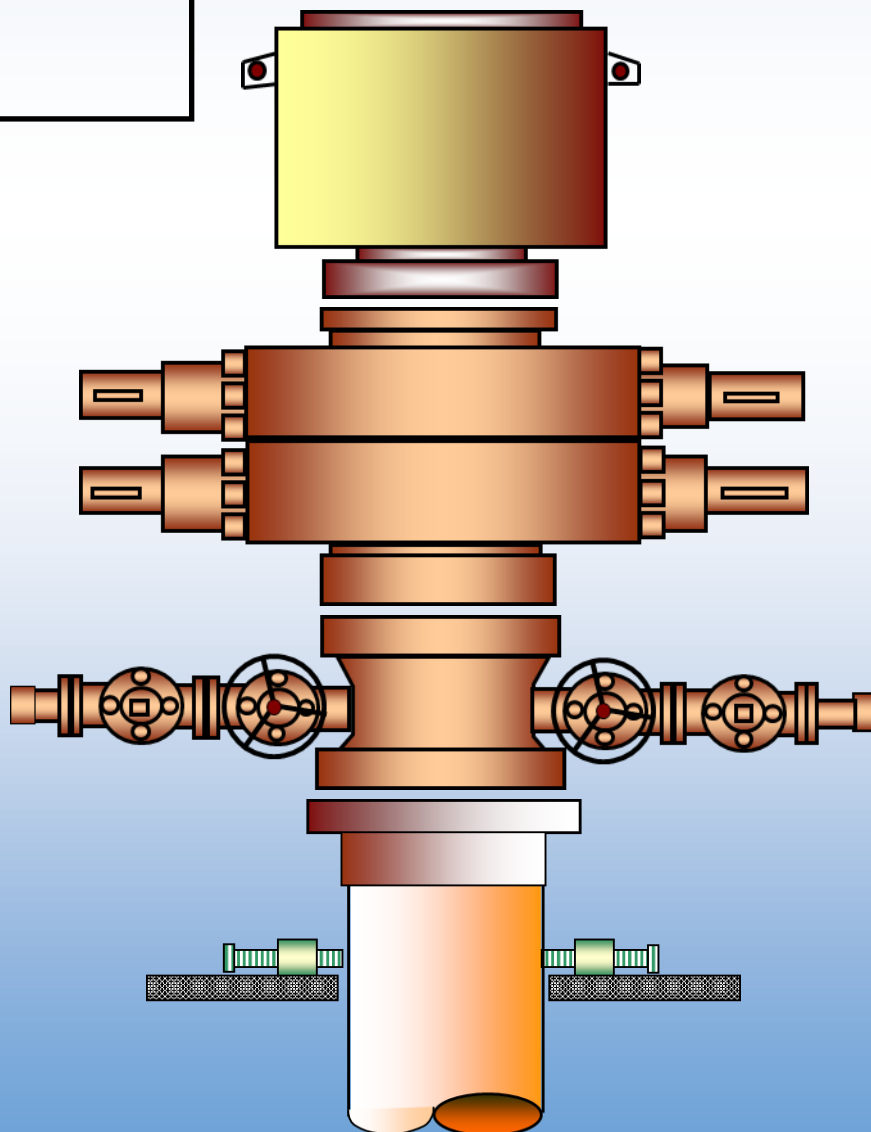
Check Valve 2 1/16" 5,000#WP

Choke Line 4 1/16" 5M Armored

Kill Line 2 1/16" 5M Armored

RIG 12

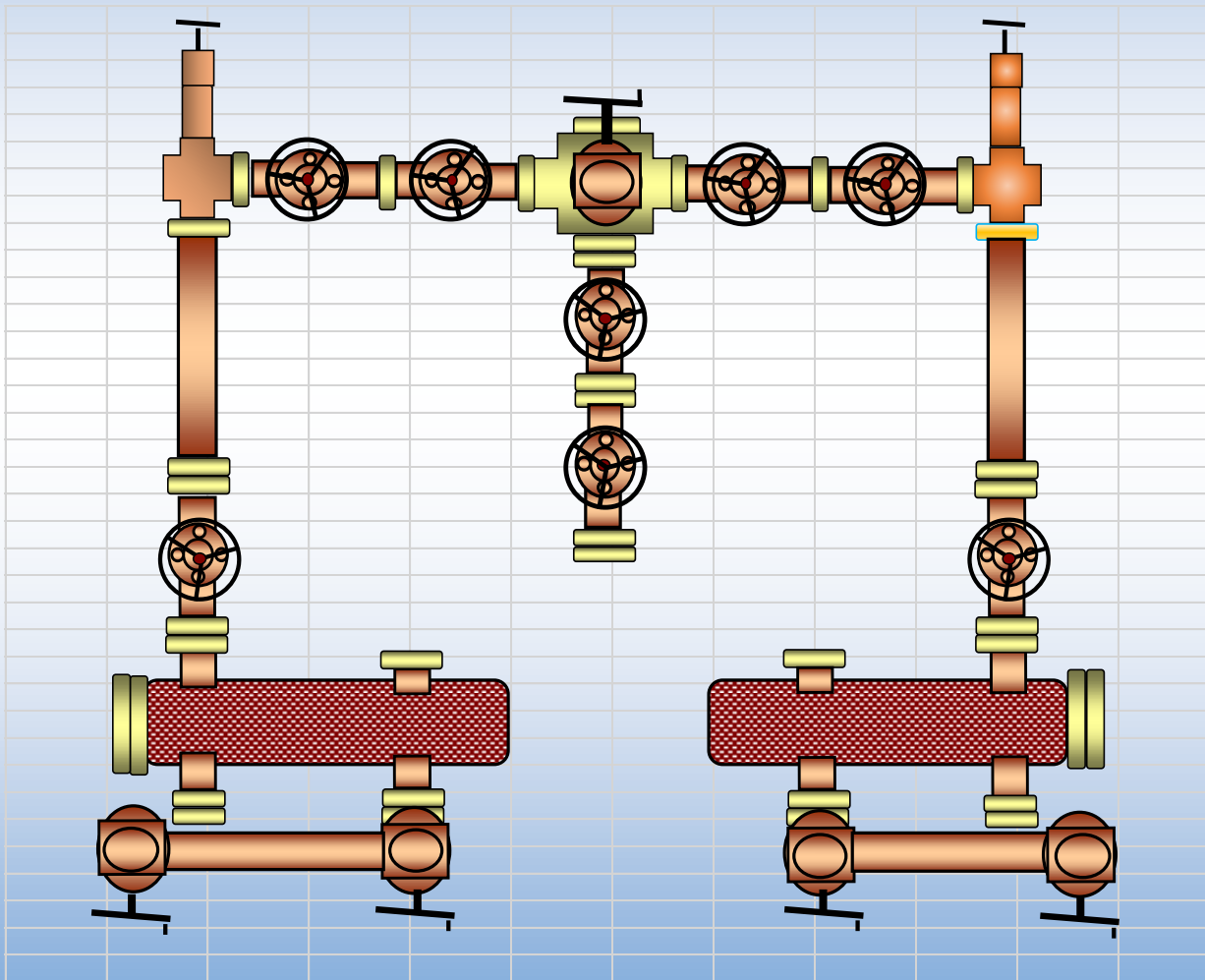
Latshaw
DRILLINGTM



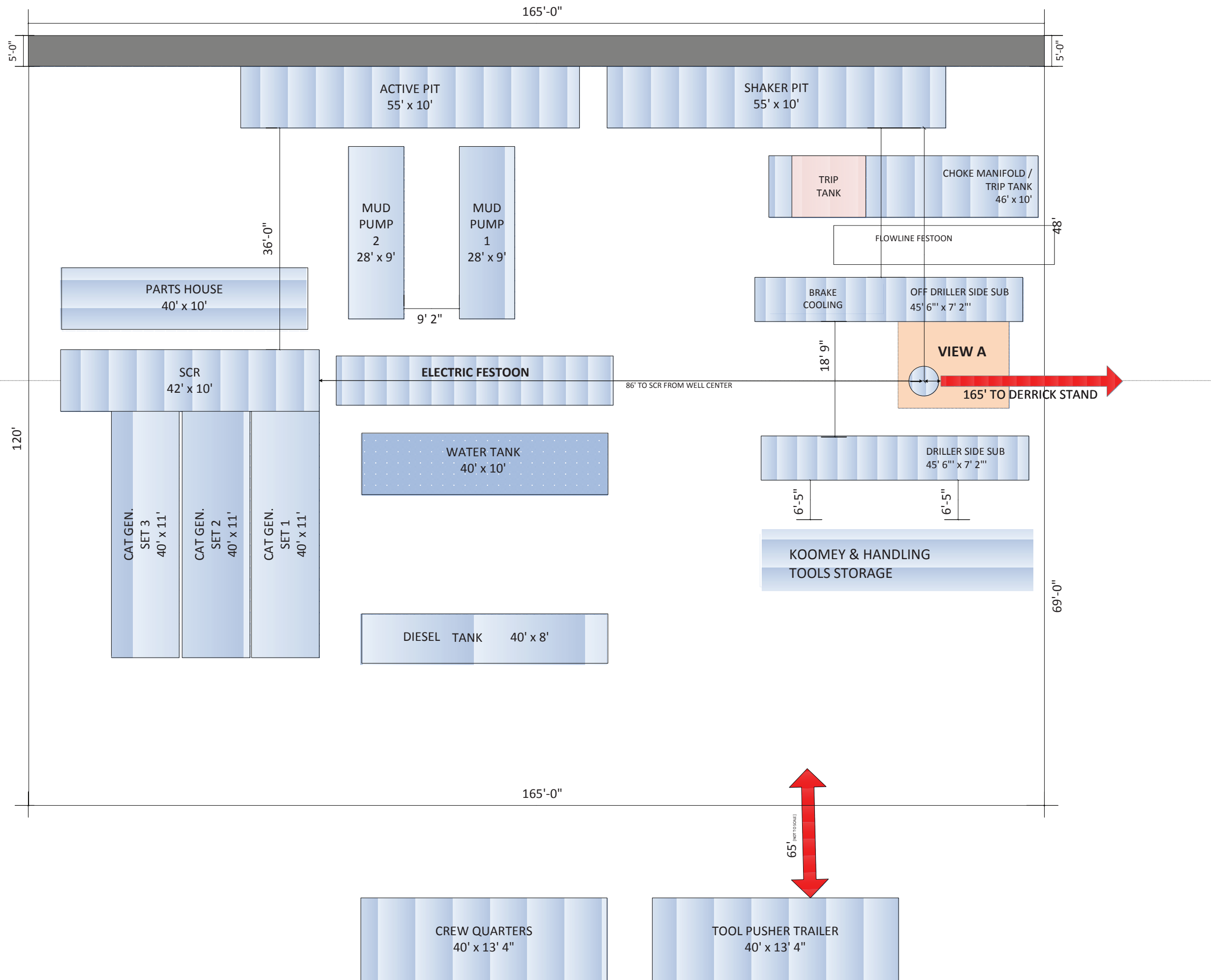
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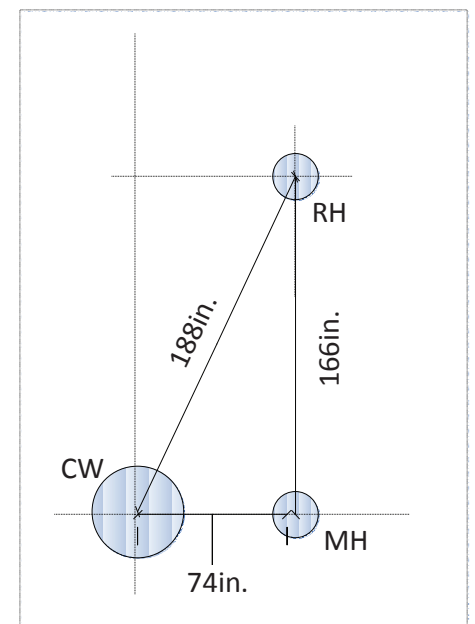
Operator Supplied
Hydraulic Chokes



- 10- Gate Valve 3 1/8" 5,000#WP
- 2 - Gate Valve 4 1/16" 5,000#WP
- 1- Gate Valve 2 1/16" 5,000#WP
- 2 - Manual Adjustable Choke 3 1/10"
5,000#WP
- 2 - Spacer Spool, 3 1/8" 5 000#WP
- 1 - Studded Cross (5 way) 5M
- 1 - Instrument Flange and Gauge 5M
2-10 3/4" Buffer Chambers
- 3 - Blind Flanges, 3 1/8" 5M
- 1 - Bull plug/Hammer union Flange
3 1/8"5M



VIEW A



NOTES:
 MOUSE HOLE IS AT A 5 DEGREE SLANT AWAY FROM WELL.
 RAT HOLE IS 27 FEET DEEP AT 10 DEGREE SLANT AWAY FROM WELL

RIG 12

