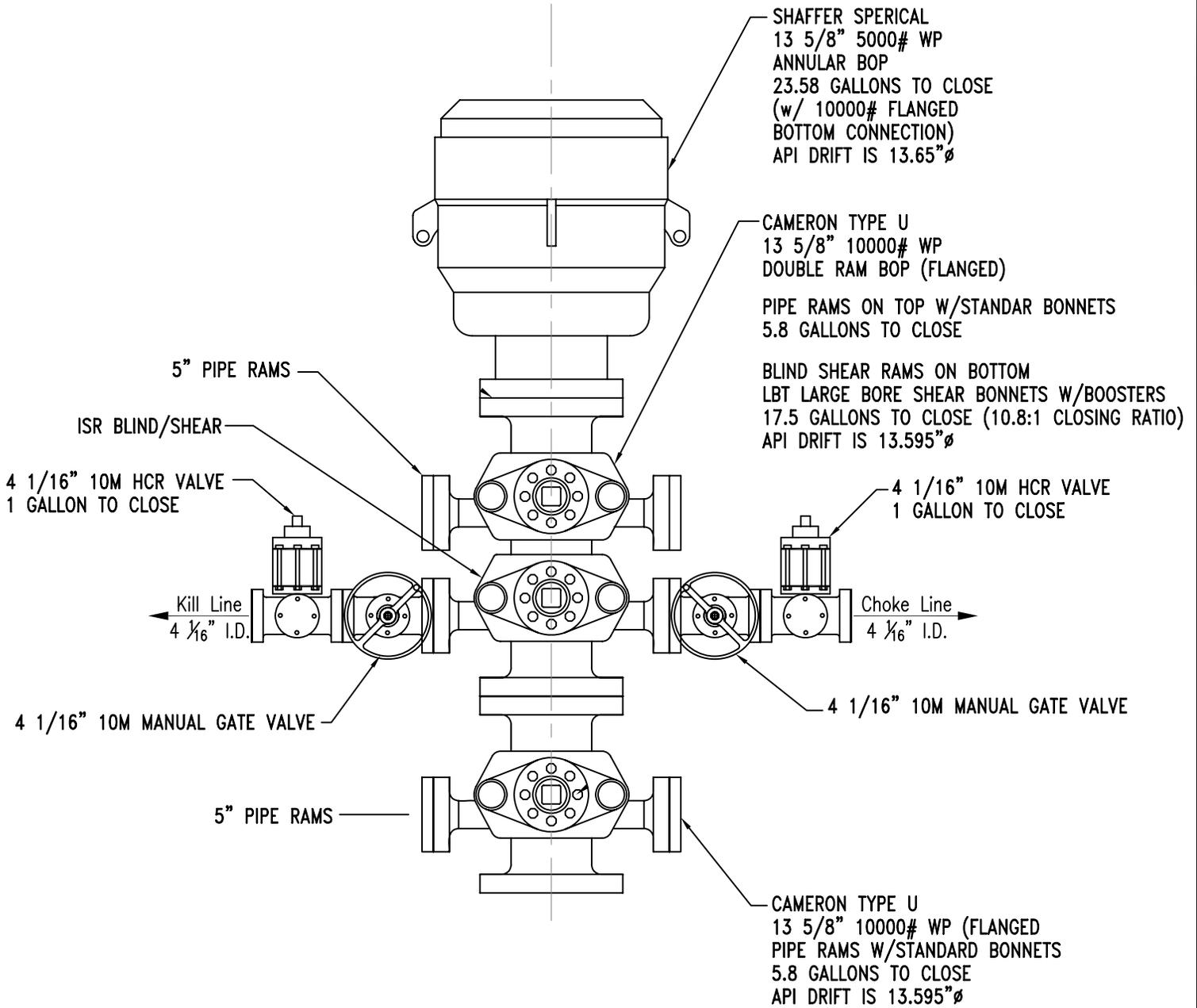


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			KC	KC

04/28/11



ELEVATION



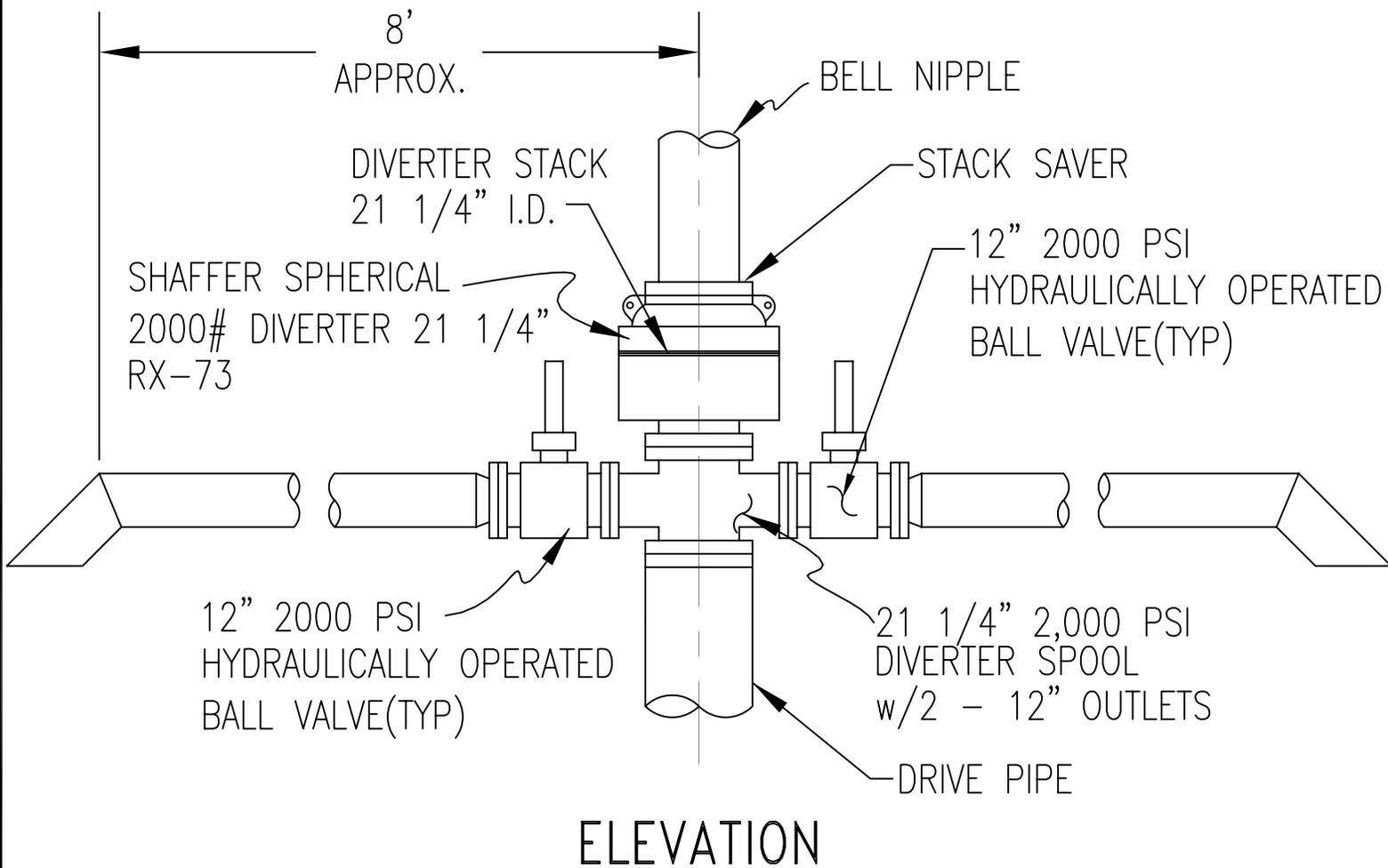
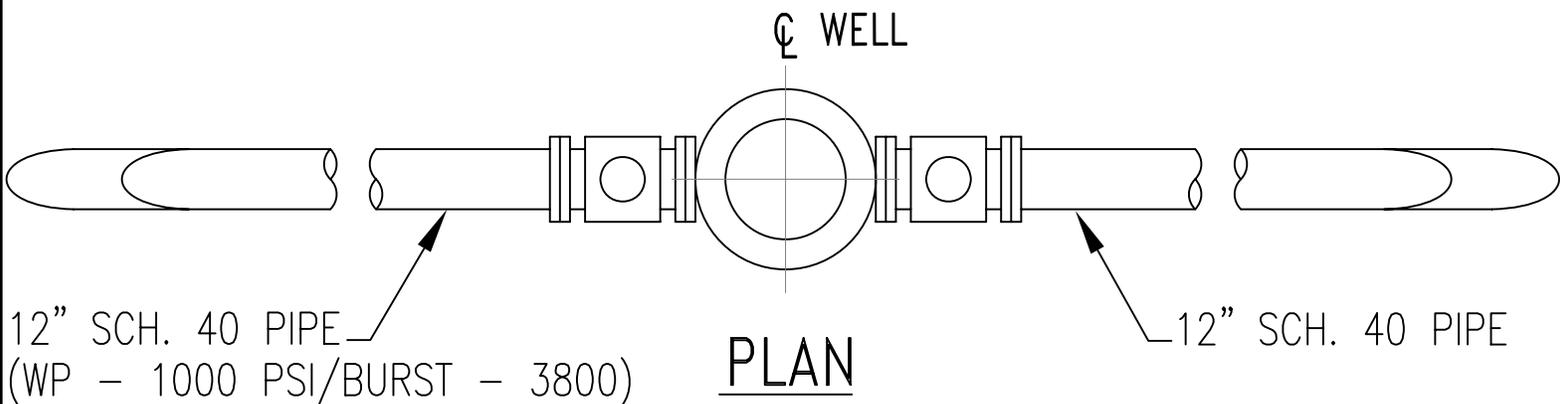
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9 Greenway Plaza, Suite 2200
Houston, Texas 77046

HERCULES 263
DIVERter SYSTEM

DWG. NO.
263-11

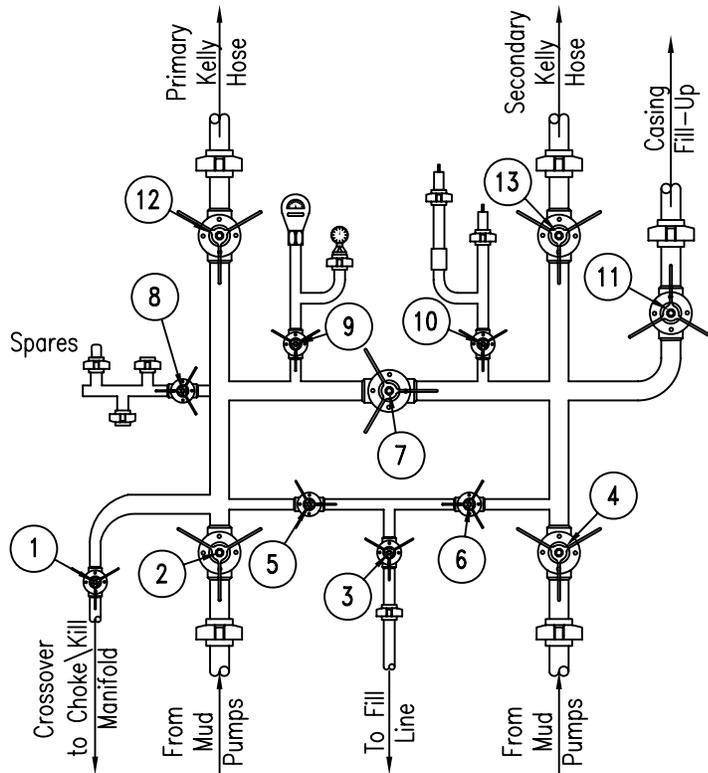
0 5/27/11 AS PER RIG WM KC

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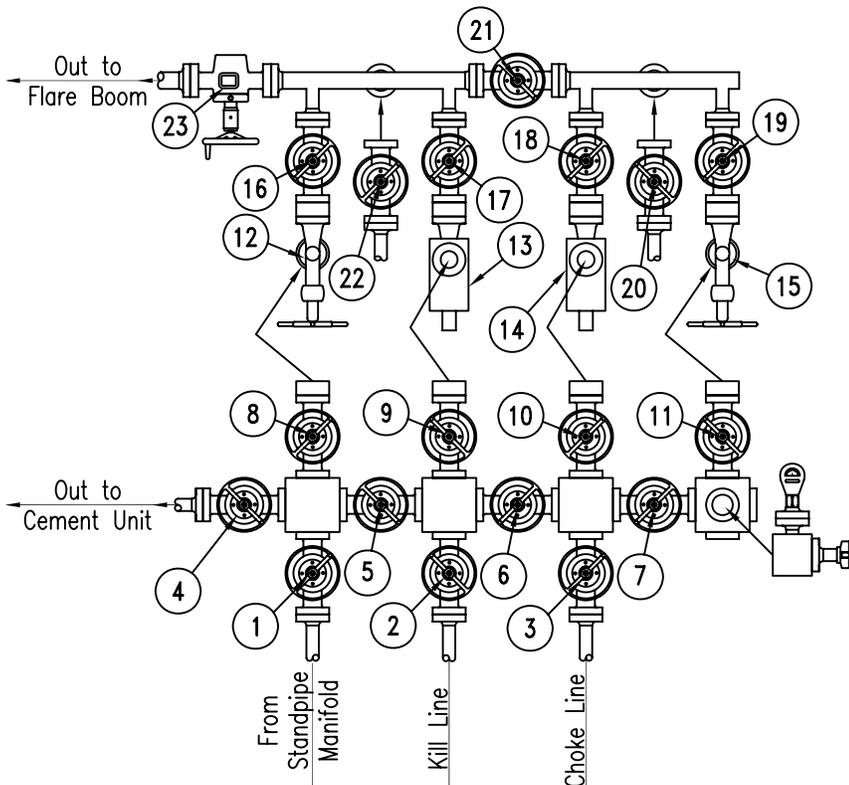
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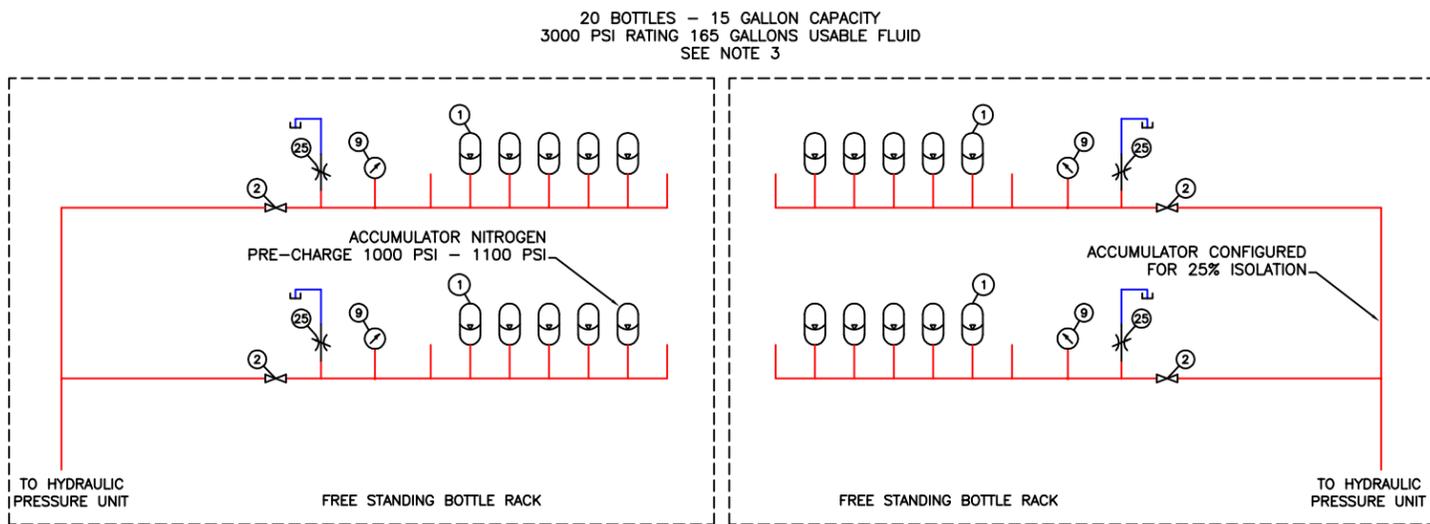
**STANDPIPE
 MANIFOLD**

- 1) 3" X 5M Gate Valve
- 2) 5" X 5M Gate Valve
- 3) 2" X 5M Gate Valve
- 4) 5" X 5M Gate Valve
- 5) 2" X 5M Gate Valve
- 6) 2" X 5M Gate Valve
- 7) 5" X 5M Gate Valve
- 8) 2" X 5M Gate Valve
- 9) 2" X 5M Gate Valve
- 10) 2" X 5M Gate Valve
- 11) 3" X 5M Gate Valve
- 12) 5" X 5M Gate Valve
- 13) 5" X 5M Gate Valve

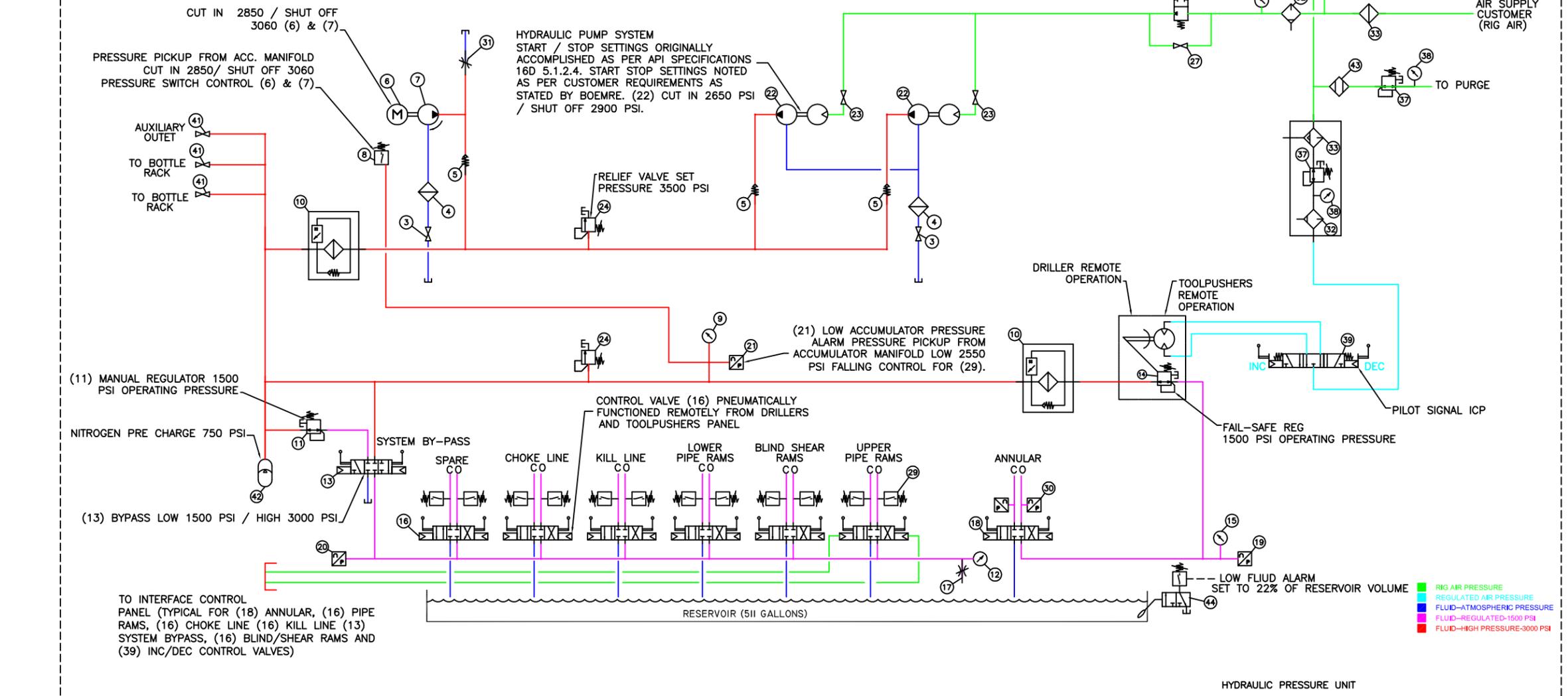
**10,000 PSI
 CHOKE/KILL MANIFOLD**



- 1) 3 1/16" x 10M Gate Valve
- 2) 3 1/16" x 10M Gate Valve
- 3) 3 1/16" x 10M Gate Valve
- 4) 3 1/16" x 10M Gate Valve
- 5) 3 1/16" x 10M Gate Valve
- 6) 3 1/16" x 10M Gate Valve
- 7) 3 1/16" x 10M Gate Valve
- 8) 3 1/16" x 10M Gate Valve
- 9) 3 1/16" x 10M Gate Valve
- 10) 3 1/16" x 10M Gate Valve
- 11) 3 1/16" x 10M Gate Valve
- 12) Manual Adjusted Choke
- 13) Hydraulic Choke
- 14) Hydraulic Choke
- 15) Manual Adjusted Choke
- 16) 3 1/16" x 10M Gate Valve
- 17) 3 1/16" x 10M Gate Valve
- 18) 3 1/16" x 10M Gate Valve
- 19) 3 1/16" x 10M Gate Valve
- 20) 3 1/16" x 5M Gate Valve
- 21) 3 1/16" x 5M Gate Valve
- 22) 3 1/16" x 5M Gate Valve
- 23) 3 1/16" x 5M Gate Valve



BILL OF MATERIAL			
ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	BLADDER TYPE ACCUMULATOR	15	ANNULAR PRESSURE GAUGE, 0-3000 PSI
2	ACCUMULATOR BANK ISOLATION VALVE	16	1" 4-WAY CONTROL VALVE
3	SUCTION VALVE	17	MANIFOLD BLEEDER VALVE
4	SUCTION STRAINER	18	1 1/2" ANNULAR 4-WAY CONTROL VALVE
5	CHECK VALVE	19	ANNULAR PRESSURE TRANSMITTER ASSY.
6	ELECTRIC MOTOR AND STARTER	20	MANIFOLD PRESSURE TRANSMITTER ASSY.
7	TRIPLEX PUMP	21	ACCUMULATOR PRESSURE TRANSMITTER ASSY.
8	ELECTRIC PRESSURE SWITCH	22	AIR OPERATED HYDRAULIC PUMP
9	ACC. PRESSURE GAUGE, 0-6000 PSI	23	AIR PUMP SUPPLY VALVE
10	HIGH PRESSURE FILTER ASSEMBLY W/ CONTAMINANT INDICATOR (25 MICRON FILTER)	24	HYDRAULIC RELIEF VALVE (3500 PSI)
11	MANIFOLD REGULATOR	25	ACCUMULATOR MANIFOLD BLEEDER VALVE
12	MANIFOLD PRESSURE GAUGE, 0-6000 PSI	26	PNEUMATIC ACTUATED VALVE
13	MANIFOLD REGULATOR BYPASS VALVE	27	PRESSURE SWITCH BYPASS VALVE
14	ANNULAR REGULATOR W/ FAILSAFE AIR REGULATOR	28	2 1/2" GAUGE 0-300 PSI
		29	POS. INDICATORS PRESSURE SWITCH
		30	POS. INDICATORS PRESSURE TRANSMITTER
		31	TRIPLEX PUMP NEEDLE VALVE
		32	AIR LUBRICATOR
		33	AIR FILTER
		34	AIR PRESSURE TRANSMITTER ASSY.
		35	PNEUMATIC RELIEF VALVE (150 PSI)
		36	AIR RECEIVER TANK
		37	PNEUMATIC REGULATOR VALVE
		38	PNEUMATIC REGULATOR GAUGE (150 PSI)
		39	PNEUMATIC INC./DEC. CONTROL VALVE FOR HYD. REG.
		40	PNEUMATIC CHECK VALVE
		41	AUXILIARY VALVE
		42	1 GALLON ACCUMULATOR
		43	AIR DRYER
		44	FLOAT SWITCH



- NOTES**
- OIM TO ASSURE THAT RIG BOP CONTROL SYSTEM IS ADJUSTED IN ACCORDANCE WITH THE SETTING NOTED IN THIS DRAWING.
 - ALL ACCUMULATOR PIPING AND COMPONENT PRESSURE RATINGS EXCEEDS RELIEF VALVE SETTINGS.
 - GALLONS OF USABLE FLUID DEFINED AT NORMAL OPERATING CONDITIONS SYSTEM PRESSURE: 3000 PSI PRECHARGE: 1000 PSI MOP: 1000 PSI OR LESS

PROPRIETARY

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C4	REVISED PER CUSTOMERS COMMENTS	11/08/10	CB	DS	Drawn By	D.LOUVIERE	UNLESS OTHERWISE NOTED TOLERANCES +/-
C8	REVISED AS PER CUSTOMER COMMENTS	05/24/11	DL	SS	Checked By	S.OLIVIER	
C7	REVISED AS PER CUSTOMER COMMENTS (PO 263-187462)	05/13/11	SS	DS	Approved By	S.COMB	
C6	REVISED AS PER BOEMRE (LOW ACCUMULATOR ALARM 2550 PSI)	04/08/11	DL	SS	Drawing Date	10/29/10	
C5	REVISED AS PER CUSTOMER COMMENTS	11/10/10	DL	JS	Rig Number	HERCULES 263	
Rev.	Reason For Issue	Date	Origin	Check	Scale	NTS	** +/-

CAD CONTROL SYSTEMS
 (337) 369-3737 INFO@CADOIL.COM

HERCULES 263 (FORMALLY SEAHAWK 2600)

BOP CONTROL SYSTEM HYDRAULIC PNEUMATIC SCHEMATIC

Dwg. No. 31255-PSC-500-01 Ref. Number 31255-PSC Sht No. 01/01 Rev. C8



HERCULES
Offshore

EMERGENCY PROCEDURE UNCONTROLLED WELL

1. When situation of control of well becomes critical, alert all personnel by sounding alarm for emergency (rapid successions of short sounding of general alarm) and by passing the word. Awaken all off-duty personnel.
2. Notify standby vessel(s) in field of situation and request they standby the rig.
3. When situation deteriorates to point where the well is no longer controllable and/or there is an uncontrolled release of gas from the well bore, all engines shall be immediately shut down.
4. Sound abandon alarm and pass word of situation.
5. Notify standby vessel(s) of impending evacuation.
6. All personnel to report to assigned lifeboat or standby vessel as directed.
7. Verify that all personnel are present and accounted for.
8. Lower lifeboat into water and release from falls, steer away from rig (if applicable).
9. Maintain contact with standby vessel(s) with portable radio.
10. Notify office of situation through radio contact.
11. Keep doors on lifeboat closed and do not attempt to abandon lifeboat until wind and sea conditions warrant (if applicable).
12. When wind and sea conditions allow, transfer personnel from lifeboat to standby vessel(s) (if applicable).



HERCULES
Offshore

EMERGENCY PROCEDURE FIRE ONBOARD THE VESSEL

1. At first indication of fire, sound alarm and pass word of fire and location of same.
2. Secure well.
3. Notify boats in field of situation and request they stand by.
4. Personnel to report to station noted on station bill with life jackets and proper clothing.
5. Pressurize fire main.
6. Shut down ventilation fans in affected areas if applicable.
7. Close off fire dampers and passageways to prevent spread of fire as necessary, be aware of escape routes for fire fighting personnel.
8. For fire in engine room, verify that all personnel have been evacuated from compartment and activate fire suppression system.
9. If main AC generator room is affected and engines are shut down, start emergency generator and energize emergency AC switchboard to provide power to emergency equipment (fire pumps, bilge pumps, BOP accumulator, etc.).
10. Suppress fire with proper extinguisher. Electrical fires are not to be extinguished with water or water borne agents.
11. After fire is extinguished, maintain watch for suitable length of time (until affected area cools) to prevent re-ignition.
12. Verify that all personnel are present and accounted for.
13. Survey damage and notify office of situation.



HERCULES
Offshore

EMERGENCY PROCEDURE ABANDONMENT OF THE VESSEL

1. Should fire or emergency situation deteriorate to point where suppression is not possible, close off all compartments and passageways after all personnel are evacuated from same. Close ventilation trunks if possible.
2. Shut down power system.
3. Sound abandon alarm as noted on station bill.
4. Notify standby vessels of impending evacuation.
5. Report to assigned lifeboat.
6. Verify that all personnel are present and accounted for.
7. Lower lifeboat into water and release from falls, steer away from rig.
8. Maintain contact with standby vessels with portable radio.
9. Notify office of situation through radio contact.
10. Keep doors on lifeboat closed and do not attempt to abandon lifeboat until wind and sea conditions warrant.
11. When wind and sea conditions allow, transfer personnel from lifeboat to standby vessel(s)

Revised 5/15/03

WELL CONTROL PROCEDURE DURING TRIPPING OPERATION

1. Detect Kick, alert drill crew.
2. Position drill pipe where safety valve can be installed by floorman as soon as possible. After valve is installed, close valve.
3. Install inside BOP valve and open safety valve.
4. Driller: Close hydrill, open HCR valve, close adjustable choke. Record time and casing pressure.
5. Notify Company Representatives OIM/Toolpusher.
6. Floorman (Backup Tong): Check all valves on choke manifold and BOP system for correct position.

Floorman (Lead Tong): Check for leaks on BOP system and choke manifold.

Floorman (Shakerman): Check flow line and choke exhaust lines for flow.

Derrickman: Check accumulator pressure.

7. Prepare to extinguish source of ignition.
Mechanic, Electrician or Motorman: Stand by SCR Room.
Welder: Secure welding machine and equipment.
8. Crane Operator: Alert standby boat or prepare safety capsule for launching. Ensure bulk system is charged & ready for use.
9. Crane Operator On Duty: Stand by crane for possible personnel evacuation.
10. On-Duty Roustabout: Prepare to lower escape ladders and prepare other abandonment devices for possible use.
11. Prepare to strip back to bottom.
12. Alert galley and all off-duty personnel to stand by for orders. 13.

Record time it takes to complete the kill procedure on driller's report.

Revised 5/15/03

**WELL CONTROL PROCEDURE DURING
SURFACE HOLE (DIVERTER) TRIPPING OPERATIONS
2 VALVE SYSTEM**

1. Detect kick, alert drill crew.
2. Position drill pipe where safety valve can be installed by floorman as soon as possible. After valve is installed, close valve.
3. Actuate diverter system control.
NOTE: When annular preventer control valve is moved to "closed" position, both port and starboard diverter valve will automatically open.
4. Notify Company Representative and OIM/Toolpusher.
5. Should the wind condition at the time the diverter is actuated cause the flow from either diverter line to be carried back on the rig or platform, close the valve attached to the offending line while the opposing valve and line remain open where mud can be blown away from rig.
6. Make up Kelly to drill pipe string.
7. Open safety valve.
8. Start pumping with rig pump while notifying derrickman to line pumps up on kill mud, reserve pit or seawater as situation dictates, keeping hole full.
9. Alert all personnel to stand by for orders.



Revised 5/15/03

**WELL CONTROL PROCEDURE DURING
SURFACE HOLE (DIVERTER) DRILLING OPERATIONS
2 VALVE SYSTEM**

1. Detect kick, alert drill crew.
2. At first indication of increased flow, raise Kelly to have tool joint above rotary. Continue pumping.
3. Actuate diverter system control.
Note: When annular preventer control valve is moved to "closed" position, both port and starboard diverter valves will automatically open.
4. Notify Company Representative and OIM/Toolpusher.
5. Increase pump speed to maximum rate.
6. Should the wind condition at the time the diverter is actuated and causes the flow from either diverter line to be carried back on the rig or platform, close the valve attached to the offending line while the opposing valve and line remain open where mud can be blown away from the rig.
7. Alert derrickman to be ready to line pumps up on kill mud or seawater when drilling mud is used up, keeping hole full at all times.
8. Alert all personnel to stand by for orders.

Revised 5/15/03

WELL CONTROL PROCEDURE DURING DRILLING OPERATION

DRILL CREW:

1. Detect Kick, alert drill crew.
2. Position Kelly/drill pipe tool joints so connections are clear of sealing elements in stack.
3. Stop pumps and check for flow.
4. Close in the well, if flowing.
5. Notify Company Representative & OIM/Toolpusher.
6. Record time.

DRILLER, OIM/TOOLPUSHER, COMPANY REPRESENTATIVE:

Record drill pipe and casing pressure.

Measure pit gain, mark new level on PVT and flo-show equipment.

DERRICKMAN:

Measure pit gain and mark new level at mud pits.

Line up mixing pumps and bulk barite system.

DRILLER, DERRICKMAN, MUD ENGINEER:

Estimate volume of additional mud pits.

Weigh sample of mud from suction pit and immediately notify driller.

FLOORMAN (BACK UP TONG):

Check all valves on choke manifold for leaks and BOP stack for correct position.

Standby to follow Drillers Instructions.

FLOORMAN (LEAD TONG):

Check BOP stack and choke manifold for leaks and report to driller.

Stand by to follow Drillers Instructions.

FLOORMAN (SHAKERMAN):

Check flowline and choke exhaust line for flow and report to driller. Line up mud gas separator and degasser. Stand by to follow Drillers Instructions.

DRILLER:

Check accumulator pressure.

MECHANIC, ELECTRICIAN OR MOTORMAN:

Prepare to shutdown/isolate equipment to eliminate sources of ignition.

MAINTENANCE SUPERVISOR:

Ensure bulk system is charged & ready for use. Ensures readiness of evacuation equipment.

Standby to respond to emergencies.

CRANE OPERATOR:

Alert standby boat or prepare safety capsule for launching.

Place crane operator in crane for possible personnel evacuation.

ROUSTABOUT #1:

Stand by personnel basket for possible evacuation.

ROUSTABOUT #2, #3 & #4:

Prepare to lower all escape ladders and prepare other abandonment devices for possible use.

COMPANY REPRESENTATIVE, OIM/TOOLPUSHER:

Determine materials needed to circulate out "Kick". Time the steps and enter report on driller's log (IADC Report). Record time it takes to complete the Kill procedure.

MUD ENGINEER:

Report to pit room. Confirm AD/derrickmans preparation, coordinate building and maintain mud system. Monitor mud properties and flow.