



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

- RIG AIR PRESSURE
- REGULATED AIR PRESSURE
- FLUID-ATMOSPHERIC PRESSURE
- FLUID-REGULATED-1500 PSI
- FLUID-HIGH PRESSURE-3000 PSI

NOTES

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

HYDRAULIC PUMP SYSTEM START / STOP SETTINGS ORIGINALLY ACCOMPLISHED AS PER API SPECIFICATIONS 16D 5.1.2.4. START STOP SETTINGS NOTED AS PER CUSTOMER REQUIREMENTS AS STATED BY BOEMRE. (22) CUT IN 2650 PSI / SHUT OFF 2900 PSI.

PROPRIETARY

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C5	REVISED AS PER CUSTOMER COMMENTS (PO 300-187751)	05/23/11	DL	SS
C4	REVISED PER CUSTOMER REQUEST	02/17/11	CB	DS
C2	ADDED UNIT INFO PER CUSTOMER REQUEST	01/25/11	CB	DS
C1	RELEASED FOR CONSTRUCTION	11/19/10	CB	DS
P	PRELIMINARY DESIGN	11/19/10	CB	DS
Rev.	Reason For Issue	Date	Origin	Check

Drawn By	C. BOGGS
Checked By	D. SEYMOUR
Approved By	J. SOILEAU
Drawing Date	11/19/10
Rig Number	HERCULES 300
Scale	NTS

UNLESS OTHERWISE NOTED TOLERANCES +/-
* +/-
** +/-

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HERCULES 300 (FORMERLY SEAHAWL 3000)			
BOP CONTROL SYSTEM HYDRAULIC PNEUMATIC SCHEMATIC			
Dwg. No.	3507-PI-500-01	Ref. Number	3507-PI
Sht No.	01/01	Rev.	C5