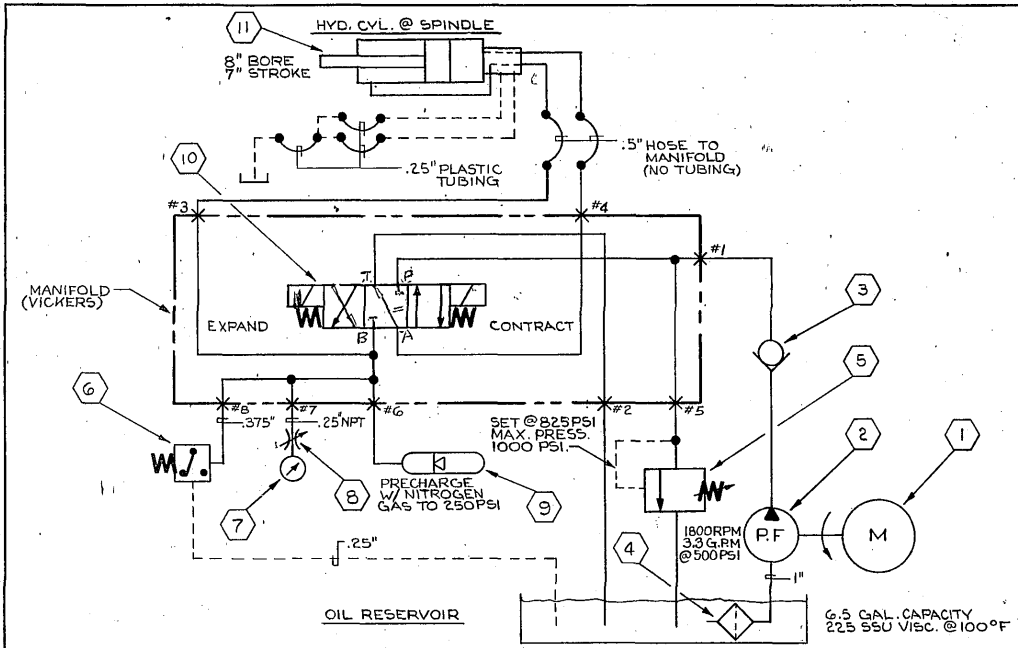
MICROFILMED

6 FILING LOCATION B-25902

SEP 1987

REVISIONS			
DATE	SYM.	WAS	BY
7-9-74		REDRAWN	MSC
		B-115295	



SYM	QTY	DESCRIPTION	LITTELL PART NO.
11	1	CYLINDER-"6-P"-HYD ROTATING, DOUBLE ACTING 8"BORE, 7" STROKE-1000 PSI	093302
10	1	VALVE-"VICKERS"-4 WAY DOUBLE SOL. SPG. CENTERED #DG-454-016C-50	091516
9	1	ACCUMULATOR-"SUPERIOR"-# IT-300-4010 AND 60	093720
8	1	VALVE-"MARSH"-NEEDLE #1900 FFG-.25" NPT.	
7	1	GAUGE-"VICKERS"-PRESS 1500 PSI, # GM 1500	
6	1	SWITCH-"50-D"-PRESS CLASS 9012, TYPE ADW-3	090602
5	1	VALVE-"VICKERS"-RELIEF #C-175-B-10	
4	1	FILTER-"VICKERS"-OF 3-08-10, PART # 19415-CAP 10 GPM	092068
3	1	VALVE-"VICKERS"-CHECK #DT-8P1-03-30-10	
2	1	PUMP-"VICKERS"-HYD #V-105-E-10	091244
1	1	MOTOR-" "-3 HP, 1800 RPM, 30 MIN. DUTY CYCLE, FR# 182T V- / HZ	

PARTS LIST

SEQUENCE OF OPERATION

WHEN MOTOR (1) OPERATES, DELIVERY OF HYD. PUMP (2) IS USED FOR EXPANSION OR CONTRACTION OF REEL ARMS, BY MEANS OF HYD. CYL. (11). MOTOR (1) IS EITHER MANUALLY OR AUTOMATICALLY CONTROLLED (BY MEANS OF PUSHBUTTONS OR BY THE PRESSURE SWITCH (6)). IN AUTOMATIC. THE PRESSURE SWITCH (6) CONTROLS THE STARTING & STOPPING OF THE MOTOR TO MAINTAIN PREDETERMINED PRESSURE ON THE ROD END OF CYL(11). MAX. OPERATING PRESSURE IS LIMITED BY THE SETTING OF RELIEF VALVE (5). DIRECTIONAL VALVE (10) CONTROLS FUNCTIONS OF HYD. CYL., FOR EXPANSION & CONTRACTION OF SPINDLE. ACCUMULATOR (9) MAINTAINS A VOLUME OF OIL UNDER PRESSURE - TO OVERCOME SEEPAGE & KEEP TENSION OF SPINDLE ARMS DURING THE IDLE PERIOD OF PUMP.

NOTE:

ALL FITTINGS TO BE "PARKER" TRIPLE LOK
ALL TUBING TO BE —.5" EXCEPT AS NOTED.
.25"—.5" TUBING —.035" WALL
.625"—.1" TUBING —.049" WALL

FOR HYDRAULIC LAYOUT SEE DWG.# B-24843

UNLESS OTHERWISE SPECIFIED FINISHED SURFACES HAVE:	
125 MICROINCH FINISH	
DIMENSIONS	TOLERANCE ±
X AND X.X	0.1"
X.XX	0.01"
X.XXX	0.001"
X.XXXX	0.0005"
BREAK SHARP CORNERS 0.08 UNLESS OTHERWISE SPECIFIED	

F. J. LITTELL MACH. CO. CHICAGO ILL.

NO. REQ.			DATE 4-20-59
PART NO.		SCALE	DES. APP. BY RM
MATERIAL	HT. TR.	DWG. BY C.V.	CH. BY L.H

TITLE: DIAGRAM - HYDRAULIC - GRAPHICAL

MACHINE: S-200 SPINDLE REEL

ORIGINAL ORDER NUMBER: 64798-58 | DWG. SIZE B | 25902