1. ROTATING TERMINAL BLOCK SAVES SEVERAL FEET OF 10GA WIRE - Implemented 6/24/2013
2. VFD MOD ELIMINATING UP/DOWN RELAYS REQUIRES SOFTWARE MOD - Implemented 01/14/2014
3. REDUCE WIRE SIZE 14+ TO 18 WHERE POSSIBLE FOR LOW CURRENT LINES - Implemented 6/24/2013
4. RE-INSTALL INSTRUMENTATION +24V PS TO ELIMINATE NOISE FROM RELAYS. (Optional)
5. ELIMINATE AB ANALOG OUTPUT MOD AND USE INTERNAL EFD SPEED SELECT O:4 & O:5 TO D13 & D14 - Implemented 3/15/2014
6. ADDED K1A CONTACTS FOR PUMP DISABLE WHILE COMPRESSOR RUNS(REDUCE PEAK CURRENT) - Implemented 4/27/2014

PROX
RET
24V
SIG
FLOAT IN
FLOAT +
YEL YEL GRN BLK WHT RED YEL BLK BRN BLU
1 2 3 4 5 6 7 8 9 10
LOAD CELL
EXC+
EXC-
IN +
IN -
A1
53 52 51
43 42 41
13 12 11
23 22 21
TB1
1 2 3 4 5 6 7 8
PS12.1
+ -
L N G
110v
CB1
CB2
CB3 CB4 CB5
1 3
2 4
1 2 3
L1
L2
N
OILER
110v
OILER
1
YEL BLK RED BRN ORN BLU GRY WHT
1 3 4 5 6 7 8 9
TO HMI
LAN
COMM
AB1100
(+) (-) COM 1/0 1/1 1/2 1/3 COM 1/4 1/5 1/6 1/7 1/8 1/9 IA COM IV1(+) IV2(+)
OL1 OL2 GND VAC/VDC O/0 VAC/VDC O/1 VAC/VDC O/2 VAC/VDC O/3 VAC/VDC O/4 VAC/VDC O/5
2
5
PS2
HMI
+ -
L N G
4
6
K1A
53 61
54 62
K1
K2
K3
A1 A2 NC
1 3 5
2 4 6
NC
VFD
SCR A1 GND +10V +24V GND COM DI1 DI2 DI3 DI4 DI5 COM NC NO
U1/L V1/N W1 +BRK -BRK U2 V2 W2
BRAKING RESISTOR
LIFT MOTOR
110v
COMP PUMP BRAKE
COMM CABLE
+24V RET (WHT) JB2-TB1.8
+24V HMI (GRY) JB2-TB1.8
E-STOP (BLU) JB2-SW1
A_COMP (ORN) JB2-TB1.2
+24V (BRN) JB2-TB1.3
M_PUMP (RED) JB2-TB1.2
M_COMP (BLK) JB2-TB1.1
A_PUMP (YEL) JB2-TB1.5

LIFTEK - OIL HOUND SS 2014

JB1 MAIN CABINET WIRING

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