

C-301 EJW COOLER SECTION

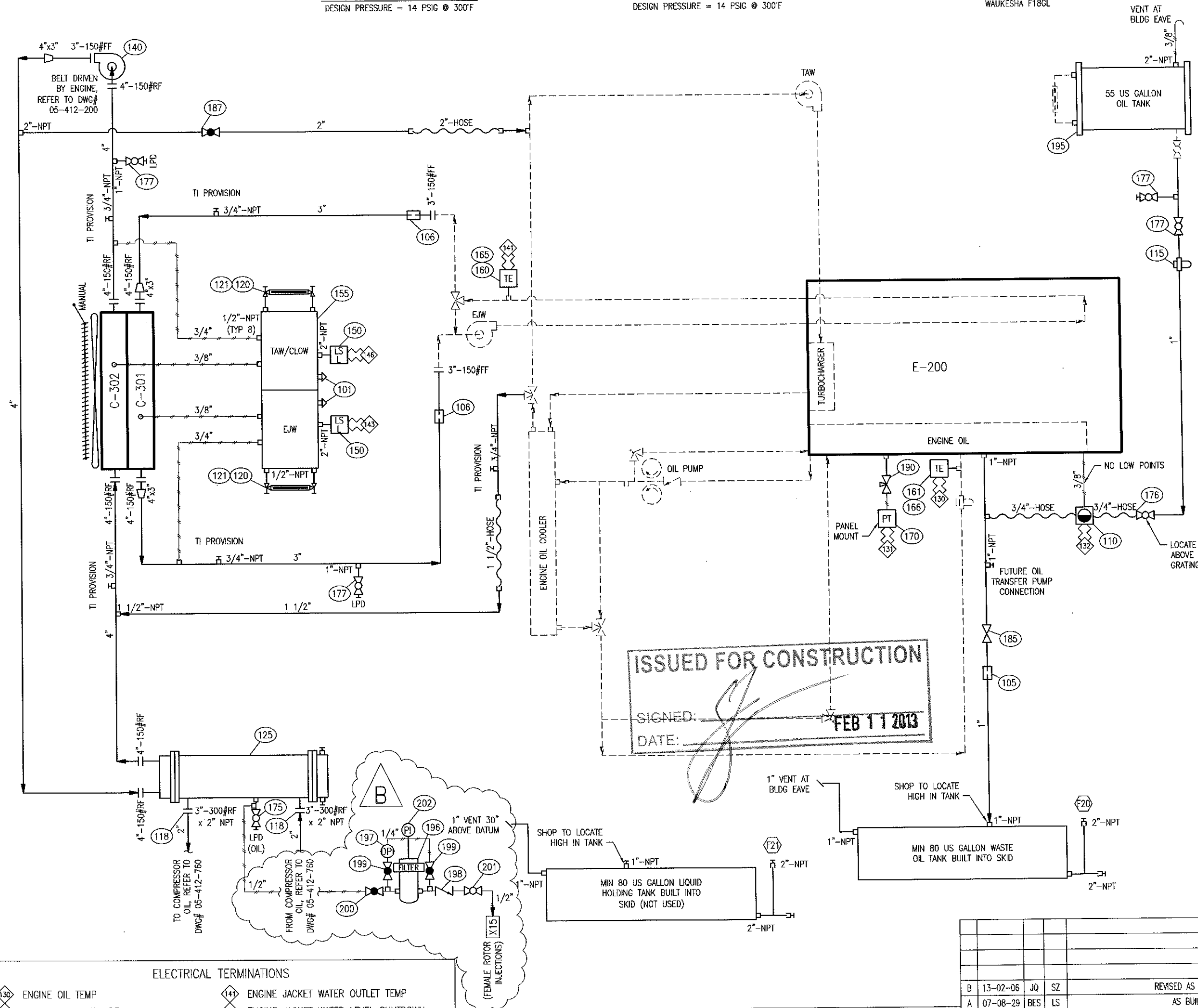
DESIGN PRESSURE = 14 PSIG @ 300°F

C-302 CLOW COOLER SECTION

DESIGN PRESSURE = 14 PSIG @ 300°F

E-200 ENGINE

WAUKESHA F18GL



ISSUED FOR CONSTRUCTION

SIGNED: *[Signature]*
DATE: FEB 11 2013

BILL OF MATERIALS			
MK	QTY	PART NUMBER	DESCRIPTION
101	2	TNK-306	CAP ASSEMBLY, PRESSURE, SET @ 7 PSIG
105	1	HOS-6010	CONNECTOR, FLEX, 1" NOM DIA, "AEROQUIP"
106	2	HOS-6030	CONNECTOR, FLEX, 3" NOM DIA, "AEROQUIP"
110	1	LLC-520	CONTROLLER/SWITCH, LEVEL, OIL, 1/2"-NPT INLET, 3/4"-NPT OUTLET, "KENCO" MODEL KLCM-9, IS, 2-15 FT STATIC PRESSURE
115	1	TNK-310	FILTER, OIL, AUTOMOTIVE, 1"-NPT, "BALDWIN" MODEL BF914, ALUMINUM HOUSING & FILTER
118	2	BWF-H1F	FLANGE, HUB, 3"-300#RF x 2"-NPT, SA-105N
120	2	TNK-200	GAUGE COCKS, TUBULAR, BRASS, c/w ROUND BAR PROTECTOR
121	2	TNK-293	GAUGE GLASS, LEVEL, TUBULAR, 5/8" OD, "PYREX" REDLINE
125	1	OC-10084-200	HEAT EXCHANGER, SHELL & TUBE STYLE, SHELL SIDE - 3"-300#RF CONN's, 450 PSIG @ 300°F, TUBE SIDE - 4"-150#RF CONN's, 150 PSIG @ 300°F, "HENRY TECHNOLOGIES" MODEL OC-10084-200, S/N: C250879A-2
140	1	PMP-6AIFRMO	PUMP, CENTRIFUGAL, 4"-125#FF INLET X 3"-125#FF OUTLET, "GOULDS" 3756 S GROUP, MODEL 6AIFRMO, 3x4-7, 260 USGPM @ 1900 RPM, 6-3/8" IMPELLER, CI BODY
150	2	LLS-120	SWITCH, LEVEL, ELECTRIC, 2"-NPT, "MURPHY" MODEL L1200, STEEL BODY, HORIZONTAL BUOYGLAS FLOAT, 2000 PSIG @ 300°F
155	1	TNK-005	TANK, SURGE, 2 COMPARTMENT, 12"x12"x36" LG, REFER TO STD DWG SRG-TNK-2C
160	1	TCP-K403	THERMOCOUPLE, TYPE 'K', UNGROUNDED, 1/2"-NPT, 1/4" OD x 4" 316SS SHEATH, 10 FT SS ARMoured LEAD
161	1	TCP-K553	THERMOCOUPLE, TYPE 'K', UNGROUNDED, 1/2"-NPT, 1/4" OD x 5 1/2" 316SS SHEATH, 10 FT SS ARMoured LEAD
165	1	TOW-275N	THERMOWELL, STRAIGHT, "WGI", 3/4"x1/2"x2 1/2" STEM, 316LSS
166	1	TOW-475N	THERMOWELL, STRAIGHT, "WGI", 3/4"x1/2"x4" STEM, 316LSS
170	1	PT-PXT-200	TRANSMITTER, PRESSURE, 0-200 PSIG INPUT, 4-20 mA OUTPUT, "MURPHY" MODEL PXT-200, 316SS BODY, 316SS OR HASTELLOY C276 WETTED PARTS, UL/cUL CLASS 1 DIV 2, GROUPS A, B, C & D, NACE MR-0175, c/w PANEL
175	1	BVSA-072FS	VALVE, BALL, 3/4"-NPT, "M.A. STEWART" MODEL G2, 2000# WOG, FULL PORT, 316SS BODY, PTFE SEALS, LOCKING HANDLE
177	5	BVSA-102FS	VALVE, BALL, 1"-NPT, "M.A. STEWART" MODEL G2, 2000# WOG, FULL PORT, 316SS BODY, PTFE SEALS, LOCKING HANDLE
185	1	GTS-102	VALVE, GATE, 1"-NPT, "NAVCO" MODEL GA-R10508AB, CLASS 800, A105 BODY, F6a & HARDFACED SEATS
187	1	GBS-202	VALVE, GLOBE, 2"-NPT, "NAVCO" MODEL GL-R20508AB, CLASS 800, A105 BODY, F6a & HARDFACED SEATS
190	1	NVSA-026F	VALVE, NEEDLE, 1/4"x1/4"-FNPT, "WGI" MODEL WN1612P, 6000 PSIG MAWP, ZINC PLATED A105 CS BODY, 316SS STEM, PTFE PACKING
195	1	TNK-155	TANK, OIL STORAGE, 55 US GALLON, "KENCO" MODEL 55G, c/w 2" VENT, 1/2"-NPT BALL VALVE & LEVEL GAUGE
196	1	VES-200S	HARVARD OIL FILTER SOUR MFG: BIDEAL MODEL: VES-200S
197	1	DPI-000	INDICATOR, DPI, 0-100 PSID, 2 1/2" DIAL, 1/4"-FNPT MFG: MIDWEST MODEL: 120-AA-00-00-100
198	1	SCS-052N	VALVE, CHK, SWING, 1/2", FNPT, CL800, SOUR MFG: NAVCO MODEL: CS-R05S08A12
199	2	NVS-026FN	VALVE, NEEDLE, 1/4" x 1/4" NPT, 6000#, SOUR MFG: CENTURY MODEL: CM21F22DNT
200	1	GBS-052N	VALVE, GLOBE, 1/2", FNPT, CL800, NACE MFG: NAVCO MODEL: GL-R05S08A12
201	1	BVS-0011	VALVE, BALL, 1/2", FNPT, 3000#, RP, NACE
202	1	PI-25-0300	IND, PRESS, 0-300PSI, 2-1/2"DIAL, 1/4"NPT, BTM, SS MFG: WESTERN GAUGE MODEL: WJ7858P

GENERAL NOTES:
1. ALL END DEVICES ARE LOCALLY MOUNTED UNLESS OTHERWISE NOTED

NORTH SHOP
5475 - 58th AVENUE S.E.
CALGARY, AB T2C 3K6
PHONE: (403) 203-4545
FAX: (403) 236-4463

BIDELL
GAS COMPRESSION

SOUTH SHOP
6800 - 112th AVENUE S.E.
CALGARY, AB T2C 4Z1
PHONE: (403) 235-5877
FAX: (403) 272-7749

ENGINE OIL & COOLING UTILITY FLOW DIAGRAM
WAUKESHA F18GL (SCREW COMPRESSOR)

CUSTOMER: PENNWEST EXPLORATION

LOCATION: SWAN HILLS

LSO: 10-32-067-09 WSM

JOB#: 05-412

DWN
BES 07-01-15

SCALE
NTS

DWG# 05-412-710

REV B

ELECTRICAL TERMINATIONS

- 130 ENGINE OIL TEMP
- 131 ENGINE OIL PRESSURE
- 132 ENGINE OIL LEVEL SHUTDOWN
- 141 ENGINE JACKET WATER OUTLET TEMP
- 143 ENGINE JACKET WATER LEVEL SHUTDOWN
- 146 ENGINE TURBO WATER LEVEL SHUTDOWN

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ALL PRESSURE TRANSMITTERS TO HAVE PLUGGED CALIBRATION CONNECTION REFER TO PANEL DRAWINGS

REV	DATE	BY	APPR	DESCRIPTION
B	13-02-06	JQ	SZ	REVISED AS NOTED
A	07-08-29	BES	LS	AS BUILT
0	07-01-15	BES	LS	ISSUED FOR CONSTRUCTION
REVISIONS				