

V-2950  
INLET SEPARATOR  
12 3/4" O.D. x 50 5/8" S/S  
MAWP: 285 PSIG @ 100°F  
MDMT: -20°F @ 285 PSIG  
C.A.: 1/8"  
CRN: 5918.213

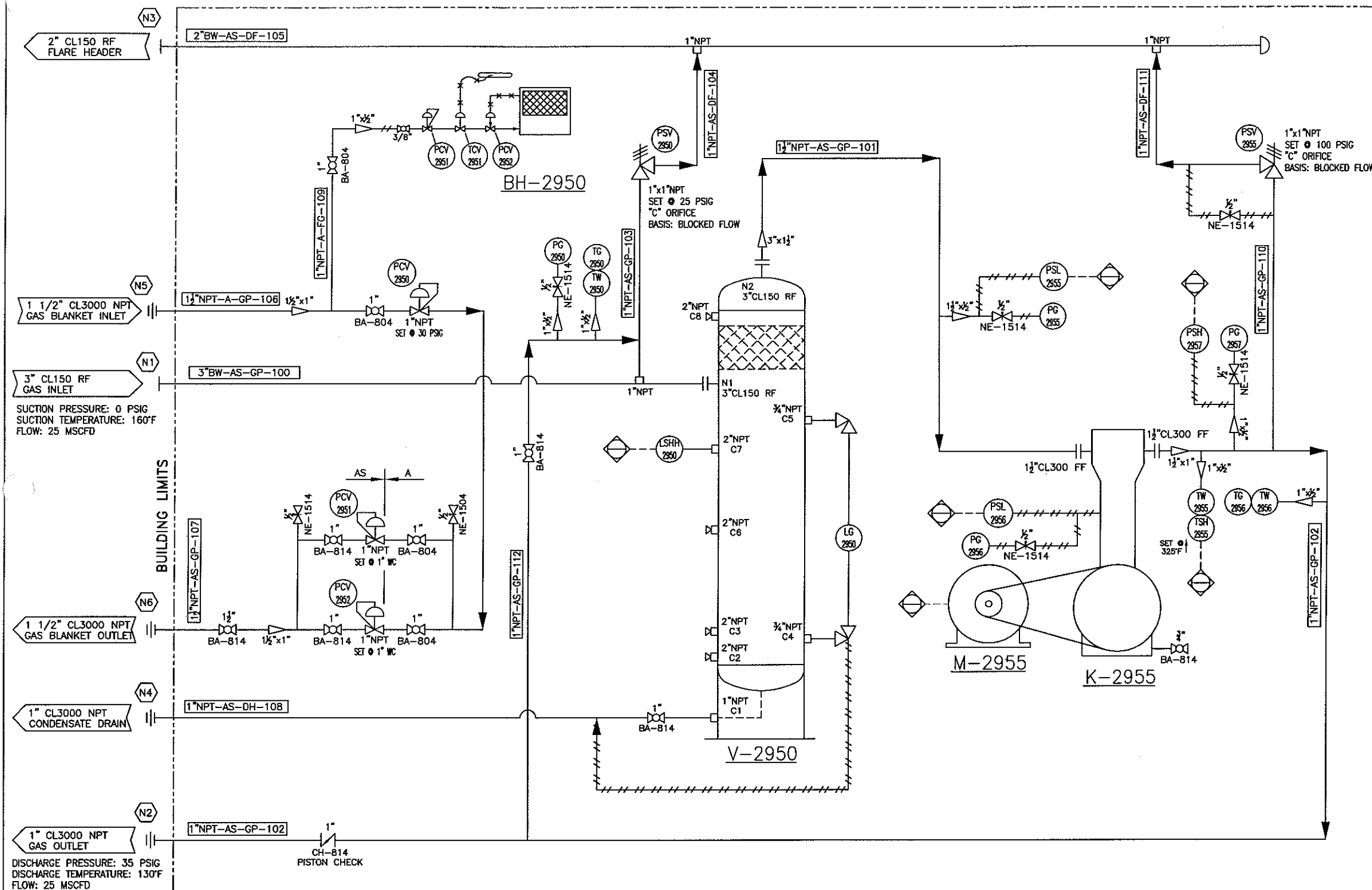
K-2955  
COMPRESSOR  
BLACKMER HDS362C RECIPROCATING  
MAWP: 350 PSIA  
SPEED: 350-825 RPM  
MAX. BHP: 15

M-2955  
DRIVER  
TECO-WESTINGHOUSE  
10 HP ELECTRIC MOTOR  
TEXP, 1800 RPM  
3PH, 60HZ, 230-460V  
VFD COMPATIBLE

BH-2950  
BUILDING HEATER  
CATADYNE MXII-24x24, EX. PROOF  
12V START w/ CABLES  
10,000 BTU/HR c/w PROTECTION  
GRILL & SAFETY CONTROLS

## GENERAL NOTES

- PIPING CONSTRUCTED TO ASME B31.3-2012 SOUR SERVICE.
- MATERIALS:  
SPEC. "AS" - 150, SOUR  
BUTT WELDED:  
PIPE: SA-106-B, 2" & BELOW-SCH.80; 3" & ABOVE-SCH.40  
FITTINGS: SA-234-WPB, BORE TO MATCH PIPE  
FLANGES: SA-105N, 150# RFWN, BORE TO MATCH PIPE  
GASKETS: 150# RF FLEXITALLIC x 1/8" THK, 316/316LSS  
BOLTING: SA-193-B7M STUDS, SA-194-2HM NUTS  
THREADED PIPING 1 1/2" TO 3/4"  
PIPE: SA-106-B, SCH.160  
FITTINGS: SA-105N, 3000# NPT  
UNIONS: SA-105N, 3000# NPT  
PLUGS: SA-105N, 6000# NPT  
TUBING: 1/4" OD & 3/8" OD-0.035" WALL; 1/2" OD-0.049" WALL  
3/4" OD-0.065" WALL  
FULLY ANNEALED, 316/316LSS, ASTM A269/B31.3-2010  
TUBING FITTINGS: 1/4" - 3/4", 316/316LSS, SWAGelok  
SPEC. "A" - 150, SWEET  
THREADED PIPING 1 1/2" TO 3/4":  
PIPE: SA-106-B, SCH.80  
FITTINGS: SA-105N, 3000# NPT  
UNIONS: SA-105N, 3000# NPT  
PLUGS: SA-105N, 6000# NPT  
TUBING: 1/4" OD & 3/8" OD-0.035" WALL; 1/2" OD-0.049" WALL  
3/4" OD-0.065" WALL  
FULLY ANNEALED, 316SS/316LSS, ASTM A269/B31.3-2010  
TUBING FITTINGS: 1/4" - 3/4", 316SS/316LSS, SWAGelok
- DESIGN:  
SPEC. "AS" - 150, SOUR  
MAWP: 285 PSIG @ 100°F  
MDMT: -20°F @ 285 PSIG  
CORROSION ALLOWANCE: 1/8"  
PNEUMATIC TESTING: SEE LINE LIST  
BUTT WELDED PIPING SPOOLS:  
HYDROTEST: 430 PSIG @ AMBIENT TEMP.  
PWHT: 60 MIN. @ 1150°F  
RADIOGRAPHY: 100% OF TOTAL BW  
MPI: 100% OF TOTAL FILLET WELDS  
OEL SPEC. "A" - 150, SWEET  
MAWP: 285 PSIG @ 100°F  
MDMT: -20°F @ 285 PSIG  
CORROSION ALLOWANCE: 1/16"  
PNEUMATIC TESTING: SEE LINE LIST
- THIS PRESSURE PIPING SYSTEM HAS A CAPACITY OF LESS THAN 0.5 CUBIC METRES.
- PACKAGE IS CLASSIFIED AS CLASS I, DIVISION 2.
- ALL CONTROL VALVES TO BE VENTED OUTSIDE.
- PROCESS AND INSTRUMENTATION DIAGRAM TO BE READ IN CONJUNCTION WITH THE GENERAL ARRANGEMENT DRAWING AND BILL OF MATERIALS.



ISSUED FOR CONSTRUCTION  
APPROVED: *JB*  
DATE: JUN 20 2014

### LINE NUMBERING SYSTEM

LINE SIZE  
CLASS  
COMMODITY CODE  
LINE #

CLASS: A=150# ANSI  
COMMODITY: GP=PROCESS GAS  
DF=PROCESS FLARE  
DH=HYDROCARBON LIQUIDS DRAIN  
IA=INSTRUMENT AIR

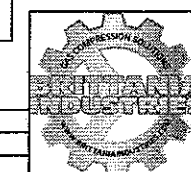
○ SIGNAL TO/FROM PANEL  
○ LOCALLY MOUNTED  
○ MAIN CONTROL PANEL  
○ LOCAL GAUGE PANEL  
--- PNEUMATIC SIGNAL  
--- ELECTRIC SIGNAL  
--- CAPILLARY SIGNAL

BA = BALL VALVE  
CH = CHECK VALVE  
GV = GATE VALVE  
NE = NEEDLE VALVE  
0 = SWEET SERVICE  
1 = NACE  
2 = ANSI 150#  
3 = ANSI 300#  
4 = ANSI 600#  
5 = ANSI 900#  
6 = CLASS 800  
7 = CLASS 1500  
8 = CLASS 2500  
9 = CLASS 3600  
10 = CLASS 4800  
11 = CLASS 6000  
12 = CLASS 9000  
13 = CLASS 15000  
14 = CLASS 20000  
15 = CLASS 30000

○ BALL VALVE  
○ CHECK VALVE  
○ GATE VALVE  
○ GLOBE VALVE  
○ NEEDLE VALVE

| REV | DESCRIPTION                | DATE     | BY |
|-----|----------------------------|----------|----|
| 0   | ISSUED FOR CONSTRUCTION    | 19/06/14 | JB |
| 1   | ISSUED FOR CLIENT APPROVAL | 17/06/14 | JB |

### REVISION HISTORY



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DRAWN JB DATE 12/05/14  
APPROVED DATE  
SCALE NTS  
CLIENT PO NO. 5227  
JOB NO. 20660

PROCESS AND INSTRUMENTATION DIAGRAM  
BLACKMER HDS362C / 10HP ELECTRIC  
PROJECT: SILVER  
LSD: 4-36-17-28 W4M

CUSTOMER KAISER EXPLORATION LTD.  
c/o DRH CONSULTING LTD.  
DWG NO. 20660-100  
REV. 0