VALVE & FLOW SYMBOLS

- GATE VALVE
- PLUG VALVE
- BALL VALVE
- NEEDLE VALVE
- GAUGE VALVE
- GLOBE VALVE
- CHECK VALVE
- SWING CHECK VALVE
- BUTTERFLY VALVE
- 3-WAY VALVE W/ HANDLE
- 3-WAY VALVE W/ MANUAL RESET
- PRESSURE & VACUUM RELIEF VALVE
- PRESSURE RELIEF STRAIGHT THROUGH PATTERN
- RELIEF VALVE - SPRING or INTEGRAL PILOT
- RELIEF VALVE - INTEGRAL PILOT (REMOTE SENSING)
- PILOT OPERATED RELIEF VALVE
- CRANKCASE EXPLOSION or BACKFIRE PRESSURE RELIEF VALVE
- 4-WAY VALVE
- ANGLE VALVE
- CHOKE VALVE ADJUSTABLE
- CHOKE VALVE FIXED
- CHOKE NIPPLE
- THREE WAY BALL VALVE
- BLOCK & BLEED VALVE (INSTRUMENT) (NC, NO)
- QUICK EXHAUST VALVE
- PETCOCK
- CONTINUOUS BLOWDOWN VALVE
- THERMAL VALVE (VF) (THERMOSTATIC)

- VALVE ACTUATOR DOUBLE ACTING
- VALVE ACTUATOR SINGLE ACTING (SPRING CLOSE)
- VALVE ACTUATOR SINGLE ACTING (SPRING OPEN)
- SOLENOID VALVE (S)
- SOLENOID VALVE THREE-WAY (S)
- SOLENOID VALVE WITH MANUAL RESET (S, R)
- MANUAL ACTUATOR or RESET (R)
- CONTROL VALVE
- ANGLE CONTROL VALVE (AIR TO CLOSE)
- ANGLE CONTROL VALVE (AIR TO OPEN)
- ACTUATED 3-WAY CONTROL VALVE (AIR TO CLOSE)
- ACTUATED 3-WAY CONTROL VALVE (AIR TO OPEN)
- MOTOR OPERATED VALVE (M)
- CONTROL VALVE w/ POSITIONER
- PRESSURE-REDUCING REGULATOR SELF-CONTAINED
- PRESSURE-REDUCING REGULATOR WITH EXTERNAL PRESSURE TAP
- BACKPRESSURE REGULATOR SELF-CONTAINED
- BACKPRESSURE REGULATOR WITH EXTERNAL PRESSURE TAP
- CONTROL VALVE (AIR TO CLOSE)
- CONTROL VALVE (AIR TO OPEN)

- FLANGES
- UNION
- INSULATING FLANGE
- INSULATING JOINT (MONOLITHIC)
- INSULATED COUPLING or UNION (CONDUIT, PIPE OR TUBING)
- CONE STRAINER W/ APEX UPSTREAM
- TEE STRAINER or CLEANOUT
- BASKET STRAINER or FILTER
- FLOW ELEMENT FLANGED W/ VALVES (ORIFICE)
- INLINE FLOW INDICATOR (FI)
- FLOW SIGHT GLASS
- TURBINE METER
- POSITIVE DISPLACEMENT METER
- VENTURI
- CORIOLLIS FLOWMETER
- MAGNETIC FLOWMETER (M)
- STRAIGHTENING VANES
- EXPANSION JOINT
- STEAM/CONDENSATE TRAP (T)
- INSTRUMENT PULSATION DAMPENER
- FLEXIBLE HOSE RUBBER, FLANGED
- FLEXIBLE HOSE BRAIDED STEEL, FLANGED
- FLEXIBLE HOSE RUBBER, w/ CONNECTOR
- FLEXIBLE HOSE RUBBER, w/ FLANGED
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER (FSD)
- ECCENTRIC REDUCER (FSU)

- INSULATION
- INSULATION W/ HEAT TRACE
- WELD CAP or PIPE CAP or LINE CAP or TERMINATION
- HOSE CONNECTOR (CROWS FOOT)
- EDGE OF SKID CONNECTION
- FLAME ARRESTOR
- Y STRAINER
- Y STRAINER W/ VALVE
- RUPTURE DISC PRESSURE SAFETY ELEMENT
- RUPTURE DISC VACUUM
- ORIFICE PLATE IN QUICK CHANGE FITTING
- BLEED RING W/ PLUG
- BLEED RING W/ VENT VALVE
- SPEC BLIND (OPEN)
- SPEC BLIND (CLOSED)
- PADDLE BLIND (OPEN)
- PADDLE BLIND (CLOSED)
- FLEX COUPLING AEROQUIP or DRESSER TYPE
- VENT CAP
- OPEN DRAIN
- CLOSED DRAIN
- P TRAP
- SPEC BREAK
- SPOOL PIECE
- INTERMITTENT BLOWDOWN VALVE
- RESTRICTION ORIFICE (RO)

INSTRUMENTATION IDENTIFICATION LETTERS (ISA)

(USED INSIDE INSTRUMENT BALLOONS)

AE - ANALYSIS ELEMENT
AI - ANALYSIS INDICATOR
AIC - ANALYSIS INDICATING CONTROLLER
AIS* - ANALYSIS INDICATING SWITCH
AIT - ANALYSIS INDICATOR AND TRANSMITTER
AR - ANALYSIS RECORDER
ARC - ANALYSIS RECORDING CONTROLLER
AS* - ANALYSIS SWITCH
AT - ANALYSIS TRANSMITTER
AV - ANALYSIS (LOOP) CONTROL VALVE
AY - ANALYSIS RELAY
BE - BURNER FLAME DETECTOR
BI - BURNER FLAME INDICATOR
BS* - BURNER FLAME SWITCH
BT - BURNER TRANSMITTER
BX - BURNER FLAME TV RECEIVER
CE - CONDUCTIVITY PRIMARY ELEMENT
CRE - CORROSION PRIMARY ELEMENT
CI - CONDUCTIVITY INDICATOR
CRI - CORROSION INDICATOR
CIC - CONDUCTIVITY INDICATING CONTROLLER
CP - CORROSION TEST CONNECTION
CR - CONDUCTIVITY RECORDER
CRC - CONDUCTIVITY RECORDING CONTROLLER
CT - CONDUCTIVITY TRANSMITTER
CRT - CORROSION TRANSMITTER
DC - DENSITY CONTROLLER
DE - DENSITY PRIMARY ELEMENT
DI - DENSITY INDICATOR
DIC - DENSITY INDICATING CONTROLLER
DQ - DENSITY TOTALIZER
DR - DENSITY RECORDER
DRC - DENSITY RECORDING CONTROLLER
DT - DENSITY TRANSMITTER
ET - VOLTAGE TRANSMITTER
ESD - EMERGENCY SHUTDOWN
FC - FLOW CONTROLLER
FCV - FLOW CONTROL VALVE (SELF ACTUATED)
FE - FLOW ELEMENT
FG - FLOW SIGHT GAUGE OR GLASS
FI - FLOW INDICATOR
FIC - FLOW INDICATING CONTROLLER
FIR - FLOW INDICATOR RECORDER
FIT - FLOW INDICATING TRANSMITTER
FO - FLOW RESTRICTION ORIFICE
FQ - FLOW TOTALYZER
FQI - FLOW TOTALING INDICATOR
FR - FLOW RECORDER
FRC - FLOW RECORDING CONTROLLER
FS* - FLOW SWITCH
FT - FLOW TRANSMITTER
FU - FLOW COMPUTER (FISCAL METERING)
FV - FLOW (LOOP) CONTROL VALVE
FY - FLOW RELAY, SOLENOID, COMPUTING DEVICE (I/P FOR FLOW)
GC - GRAVITY CONTROLLER
GE - GRAVITY PRIMARY ELEMENT
GI - GRAVITY INDICATOR
GIC - GRAVITY INDICATING CONTROLLER
GR - GRAVITY RECORDER
GRC - GRAVITY RECORDING CONTROLLER
GT - GRAVITY TRANSMITTER
HC - HAND CONTROLLER
HIC - HAND INDICATOR CONTROLLER (MANUAL)
HS - HAND SWITCH (ON-OFF)
HV - HAND CONTROL VALVE
IA - INSTRUMENT AIR
IS* - CURRENT SWITCH
IT - CURRENT TRANSMITTER
JT - POWER TRANSMITTER
KC - TIME CONTROL
KCV - TIME CONTROL VALVE
KI - TIME INDICATOR
KS - SEQUENCE RELATED SWITCH FUNCTION
KV - TIME (LOOP) CONTROL VALVE
LC - LEVEL CONTROLLER
LCS* - LEVEL CONTROL SWITCH
LCV - LEVEL CONTROL VALVE (SELF ACTUATED)
LG - LEVEL GAUGE
LI - LEVEL INDICATOR
LIC - LEVEL INDICATING CONTROLLER
LIT - LEVEL INDICATING TRANSMITTER
LR - LEVEL RECORDER
LRC - LEVEL RECORDING CONTROLLER
LS* - LEVEL SWITCH
LT - LEVEL TRANSMITTER
LV - LEVEL CONTROL VALVE (NOT SELF ACTUATED)
MC - MOISTURE CONTROL
MCV - MOTOR CONTROL VALVE (SELF ACTUATED)
ME - MOISTURE PRIMARY ELEMENT
MI - MOISTURE INDICATOR
MIC - MOISTURE INDICATING CONTROLLER
MR - MOISTURE RECORDER
MRC - MOISTURE RECORDING CONTROLLER
MS - MANUAL SHUTDOWN SWITCH
MT - MOISTURE TRANSMITTER
MV - MOTOR CONTROL VALVE (NOT SELF ACTUATED)
NE - VISCOSITY ELEMENT
NI - VISCOSITY INDICATOR
NT - VISCOSITY TRANSMITTER

PC - PRESSURE CONTROLLER
PCV - PRESSURE CONTROL VALVE
PDC - PRESSURE DIFFERENTIAL CONTROLLER
PDI - PRESSURE DIFFERENTIAL INDICATOR
PDIC - PRESSURE DIFFERENTIAL INDICATING CONTROLLER
PDIS* - PRESSURE DIFFERENTIAL INDICATING SWITCH
PDIT - PRESSURE DIFFERENTIAL INDICATING TRANSMITTER
PDR - PRESSURE DIFFERENTIAL RECORDER
PDS* - PRESSURE DIFFERENTIAL SWITCH
PDT - PRESSURE DIFFERENTIAL TRANSMITTER
PDY - PRESSURE DIFFERENTIAL SIGNAL TRANSDUCER, SOLENOID, RELAY, OR COMPUTING DEVICE
PE - PRESSURE PRIMARY ELEMENT
PG - PRESSURE GLASS (OBSERVATION ONLY)
PI - PRESSURE INDICATOR
PIC - PRESSURE INDICATING CONTROLLER
PIT - PRESSURE INDICATING TRANSMITTER
PJY - PRESSURE SCANNING RELAY
PR - PRESSURE RECORDER
PRC - PRESSURE RECORDING CONTROLLER
PS* - PRESSURE SWITCH
PSE - PRESSURE SAFETY ELEMENT (RUPTURE DISK)
PSV - PRESSURE SAFETY VALVE
PT - PRESSURE TRANSMITTER
PY - PRESSURE SIGNAL TRANSDUCER, SOLENOID, RELAY, OR COMPUTING DEVICE
PZ - PRESSURE ACTUATOR
PZV - PRESSURE ACTUATED VALVE
SC - SPEED CONTROLLER
SDV - SHUTDOWN VALVE
SE - SENSING ELEMENT (SPEED PICKUP)
SI - SPEED INDICATOR
SIC - SPEED INDICATING CONTROLLER
SIT - SPEED INDICATING TRANSMITTER
SR - SPEED RECORDER
SRC - SPEED RECORDING CONTROLLER
SS* - SPEED SWITCH
ST - SPEED TRANSMITTER
SV - SPEED (LOOP) CONTROL VALVE
SY - SPEED SIGNAL TRANSDUCER, SOLENOID, RELAY, OR COMPUTING DEVICE
SZ - SPEED ACTUATOR
TC - TEMPERATURE CONTROLLER
TCS* - TEMPERATURE CONTROL SWITCH
TCV - TEMPERATURE CONTROL VALVE (SELF ACTUATED)
TDT - TEMPERATURE DIFFERENTIAL TRANSMITTER
TE - TEMPERATURE ELEMENT
TI - TEMPERATURE INDICATOR
TIC - TEMPERATURE INDICATING CONTROLLER
TIT - TEMPERATURE INDICATING TRANSMITTER
TJI - TEMPERATURE MULTIPOINT SCANNING INDICATOR
TJR - TEMPERATURE MULTIPOINT SCANNING RECORDER
TR - TEMPERATURE RECORDER
TRC - TEMPERATURE RECORDING CONTROLLER
TS* - TEMPERATURE SWITCH
TT - TEMPERATURE TRANSMITTER
TV - TEMPERATURE CONTROL VALVE (NOT SELF ACTUATED)
TW - TEMPERATURE WELL (THERMOWELL)
TY - TEMPERATURE SIGNAL TRANSDUCER, SOLENOID, RELAY, OR COMPUTING DEVICE
TZV - TEMPERATURE ACTUATED VALVE
UC - MULTIVARIABLE CONTROLLER
UCV - MULTIVARIABLE CONTROL VALVE (SELF CONTAINED)
UI - MULTIVARIABLE CALCULATION INDICATOR
UIC - MULTIVARIABLE INDICATING CONTROLLER
US* - MULTIVARIABLE SWITCH
UT - MULTIVARIABLE TRANSMITTER
UV - MULTIVARIABLE CONTROL VALVE (NOT SELF CONTAINED)
UY - MULTIVARIABLE SIGNAL CONVERSION ELEMENT
VA* - VIBRATION ALARM
VE - VIBRATION ELEMENT
VI - VIBRATION INDICATOR
VIT - VIBRATION INDICATING TRANSMITTER
VS* - VIBRATION SWITCH
VT - VIBRATION TRANSMITTER
WE - WEIGHT PRIMARY ELEMENT
WI - WEIGHT INDICATOR
WQ - WEIGHT TOTALIZER
WR - WEIGHT RECORDER
WT - WEIGHT TRANSMITTER
XA - ANNUNCIATOR POINT OR UNSPECIFIED ALARM OR REMOTE SHUTDOWN
XI - USER DEFINED INDICATOR
XS - REMOTE STATUS
XV - USER DEFINED VALVE
*XY - SOLENOID VALVE
ZE - POSITION ELEMENT
ZI* - POSITION INDICATOR (ZIO, ZIC)
ZIH - POSITION INDICATOR (OPEN)
ZIL - POSITION INDICATOR (CLOSED)
ZL - POSITION LIGHT (INDICATOR)
ZS* - POSITION SWITCH or LIMIT SWITCH
ZT - POSITION TRANSMITTER
ZV - POSITION VALVE (LIMIT VALVE), PROXIMITY SWITCH
ZY - POSITION SIGNAL TRANSDUCER, SOLENOID, RELAY, OR COMPUTING DEVICE

MECHANICAL EQUIPMENT ABBREVIATIONS

AD - ADAPTER
AF - AIR FILTER
AN - ANALYZER
B - BELT
BD - BETA DRIVE
BF - BLIND FLANGE
BG - BELT GUARD
BKT - BRACKET
BL - BLOCK (LUBRICATOR)
BJ - BARRING JACK
BR - BLEED RING
BU - BUSHING
C - COMPRESSOR
CAP - CAP (PRESSURE)
CB - CLEARANCE BOTTLE
CC - CATALYTIC CONVERTER
CG - COUPLING GUARD
CHOP - CHAIN OPERATED
CP - COUPLING
CPI - CYCLE PIN INDICATOR (LUBRICATOR)
CS - CYLINDER SUPPORT
CV - CYLINDER VALVE
CW - CROSSHEAD NUT WRENCH
CWC - COUNTERWEIGHT
CYL - CYLINDER
DV - DELUGE VALVE
E - ENGINE
E/H - ELECTRO/HUDRAULIC ACTUATOR
EJ - EXPANSION JOINT
ERD - EXPLOSION RELIEF DEVICE
ES - EXHAUST SILENCER
F - FILTER
FA - FLAME ARRESTER
FIL - FILTER ELEMENT
FJ - FLEXIBLE JOINT
FLC - FLOAT CHAMBER
FVCP - FIXED VOLUME CLEARANCE POCKET
G - GEAR
GN - GENERATOR
HCA - HEAT EXCHANGER AIR COOLER
HCP - HOSE CLAMP
HCN - HOSE CONNECTION
HH - HAND HOLE
HM - HYDRAULIC MOTOR
HR - HOSE REEL
HT - HEAT EXCHANGER (COOLER)

HTR - HEATER
ICP - INSTRUMENT CONTROL PANEL
LD - LOCKING DEVICE
LU - LUBRICATOR
LV - LOUVERS
M - MOTOR
MB - MANIFOLD BAR (LUBRICATOR)
MCC - MOTOR CONTROL CENTER
MOV - MOTOR OPERATED VALVE
MS - MOTOR STARTER
P - PUMP
PA - PNEUMATIC ACTUATOR
PB - PILLOW BLOCK
PD - PULSATION DAMPENER
PLS - PRELUBE SYSTEM
PM - PNEUMATIC (AIR/GAS) MOTOR
PMS - PNEUMATIC STARTER
PTO - POWER TAKE OFF
PW - PISTON NUT WRENCH
SA - STACK ARRESTOR
SB - SPECTACLE BLIND
SH - SHAFT
SLB - SLIDE BASE (MOTOR)
SN - SNUBBER
ST - TANK (STORAGE)
STR - STRAINER
SV - SHEAVE
T - TURBINE
TR - PISTON TRAM
TS - TEMPORARY STRAINER
UL - UNLOADER
V - VESSEL (CODED AND NON-CODED)
V3W - 3-WAY VALVE
V4W - 4-WAY VALVE
VBB - BLOCK AND BLEED VALVE
VF - FIRE SAFE VALVE
VI - GAUGE VALVE
VNP - VANE PACK
VPD - PULSATION DAMPENER, VALVE
VTI - VALVE TEST INSERT
VVCP - VARIABLE VOLUME CLEARANCE POCKET
VW - VALVE WRENCH
XC - CHOKE VALVE
XCN - CHOKE NIPPLE
XW - CROSSHEAD WEIGHT

MISC. RELATED ABBREVIATIONS

A/G - ABOVE GROUND
AC - AIR TO CLOSE
AO - AIR TO OPEN
AS - AIR SUPPLY
BOP - BOTTOM OF PIPE
BOS - BOTTOM OF STEEL
BSW - BOTTOM SEDIMENT AND WATER
BW - BUTT WELD
CA - CORROSION ALLOWANCE
CO - CLEAN OUT
CPP - PRESSURE CONNECTION - PLUGGED
CS - CARBON STEEL
CSC - CAR SEAL CLOSED
CSO - CAR SEAL OPEN
CTP - TEMPERATURE CONNECTION - PLUGGED
D - DRAIN
ΔP - DIFFERENTIAL PRESSURE
DP - DESIGN PRESSURE
DPG - DRAIN PLUG
EL - ELEVATION
EOP - END OF PIPE
ES - ELECTRIC SUPPLY
ESD - EMERGENCY SHUTDOWN
ETR - ELECTRICAL TRACE
EX - EXHAUST
F - FLARE
F/F - FACE OF FLANGE
FB - FULL BORE
FF - FLAT FACE
FLC - FAIL LOCKED (LAST POSITION)
FMU - FITTING MAKE-UP
FSD - FLAT SIDE DOWN
FSU - FLAT SIDE UP
FW - FIELD WELD
GJ - GLYCOL JACKET
GO - GEAR OPERATED
GS - GAS SUPPLY
H2S - HYDROGEN SULFIDE (SOUR GAS)
HP - HORSEPOWER
HPS - HIGH PRESSURE
ID - INSIDE DIAMETER
IG - INSTRUMENT GAS SUPPLY
IGV - INSTRUMENT GAS VENT
KPaG - KILOPASCAL GAGE
LCD - LOCKED CLOSED
LO - LOCKED OPEN
LP - LOW PRESSURE
MAOP - MAXIMUM ALLOWABLE OPERATING PRESSURE
MAWP - MAXIMUM ALLOWABLE WORKING PRESSURE

MLW - MEAN LOW WATER
MMSCFD - MILLION STANDARD CUBIC FEET PER DAY
MSCFD - THOUSAND STANDARD CUBIC FEET PER DAY
MSL - MEAN SEA LEVEL
MW - MANWAY
NB - IMPORTANT NOTE (NOTA BIEN)
NC - NORMALLY CLOSED
NNF - NORMALLY NO FLOW
NO - NORMALLY OPEN
NS - NITROGEN SUPPLY
NTS - NOT TO SCALE
OD - OUTSIDE DIAMETER
OF - OWNER FURNISHED
OP - OPERATING PRESSURE
OT - OPERATING TEMPERATURE
PD - POSITIVE DISPLACEMENT
PGS - POWER GAS SUPPLY
PID - PROPORTIONAL, INTEGRAL, DIFFERENTIAL
PO - PUMP OUT
PP - PERSONEL PROTECTION
PS - PIPE SUPPORT
PSD - PROCESS SHUTDOWN
PSIG - POUNDS PER SQUARE INCH
RA - REVERSE ACTING
REF - REFERENCE
REV - REVISION
RF - RAISED FACE
RP - REDUCED PORT
RSP - REMOTE SETPOINT
RTJ - RING TYPE JOINT
S - SAMPLER
S/S - SEAM TO SEAM
SD - SHUTDOWN
SP - SETPOINT
SS - STAINLESS STEEL
T/T - TANGENT TO TANGENT
TOG - TOP OF GRATING
TOS - TOP OF STEEL
TP - TIE-IN POINT
TPP - TEMPERATURE POINT PLUGGED
U/G - UNDER GROUND
V - VENT
VF - VENDOR FURNISHED
VFD - VARIABLE FREQUENCY DRIVE
VP - VENT CONNECTION - PLUGGED
VSA - VENT TO SAFE ATMOSPHERE
WN - WELD NECK
WS - WATER SUPPLY
Y - RELAY

TYPICAL EQUIPMENT IDENTIFICATION

TAG No: DESCRIPTION:	V-22XX SEPARATOR
MAKE AND MODEL:	...
DIMENSIONS:	...inches O.D. x ...inches S/S
DESIGN PRESSURE @ DESIGN TEMP., CORROS. ALLOWANCE:	... psig @ ... °F, ...inches C.A.
GAS FLOW RATES:	... MMscfd
LIQUID FLOW RATES:	... USgpm ... btu/h
DUTIES: MOTOR POWER:	... hp @ V/ø/Hz S.R.:
STRESS RELIEVING AND X-RAY:	YES/NO, X-RAY: FULL/100%/SPOT

LINE TYPES

- MAJOR LINE TYPE
- MAJOR SECONDARY LINE TYPE
- UTILITY LINE TYPE
- INSTRUMENT LINE TYPE
- PNEUMATIC LINE TYPE
- ELECTRIC LINE TYPE
- HYDRAULIC LINE TYPE
- CAPILARY TUBING LINE TYPE
- HEAT TRACING LINE TYPE
- SONIC SIGNAL LINE TYPE
- UNGUIDED SONIC SIGNAL LINE TYPE
- LOGIC LINE TYPE
- MECHANICAL LINK LINE TYPE
- BINARY LINE TYPE
- LIMIT LINE TYPE

NOTES:

LDIS LLC

REFERENCE DRAWINGS		No	PROJ. NUMBER	REVISIONS	BY	CHKD	APVD	DATE
		0		ISSUED FOR CONSTRUCTION	NJL	TCF	RFD	5/2/22

	BY	DATE
DRAWN		
CONST.		
MECH.		
CIV./STRUCT.		
ELECT.		
PIPING		
INSTR.		
PM		
PROCESS		

CIVITAS

Crestone Peak Resources Operating LLC

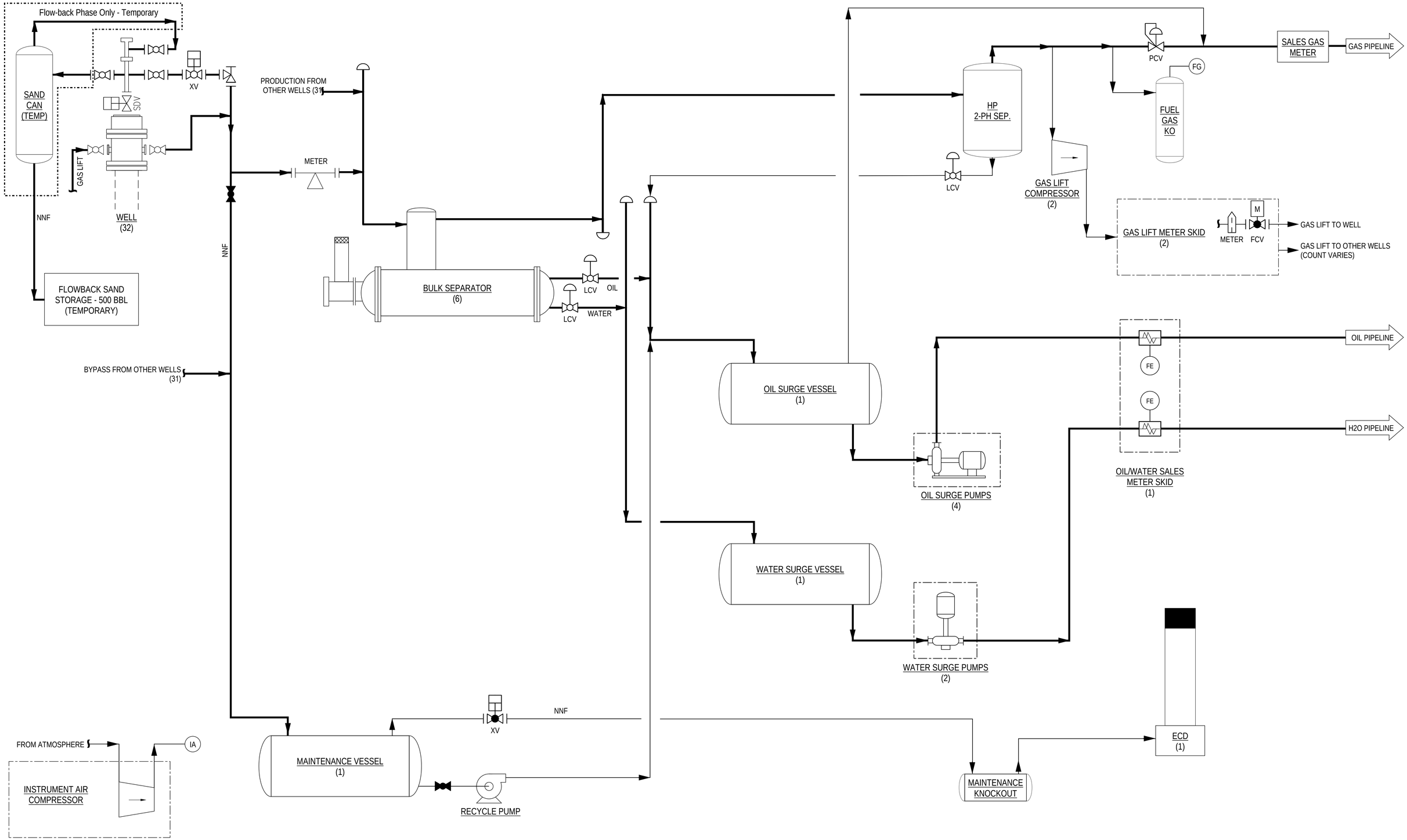
STATE SUNLIGHT/LONG

SWNE SEC. 27 R5S-T65W, 6TH P.M..

Preliminary Process Flow Diagram Production Operations

DRAWING NUMBER	SCALE	REVISION
WATKINS1W-PFD-1100	NONE	0

PLOTTED BY: Livermore, Nathan
PLOT DATE: Tuesday, May 3, 2022 10:19:25 AM
DWG. NAME: G:\LDIS_CLIENT_PROJECTS\Crestone Peak Resources\Watkins Single Well Seps Standard\P&IDs\WATKINS1W-PFD-1100.dwg



NOTES:

REFERENCE DRAWINGS	No	PROJ. NUMBER	REVISIONS	BY	CHKD	APVD	DATE

	BY	DATE
DRAWN		
CONST.		
MECH.		
CIV./STRUCT.		
ELECT.		
PIPING		
INSTR.		
PM		
PROCESS		

CIVITAS

CRESTONE PEAK RESOURCES
STATE SUNLIGHT/LONG
SWNE, SEC. 27, R5S-T65W, 6TH P.M.

Preliminary Process Flow Diagram Production Operations

DRAWING NUMBER	SCALE	REVISION
	NONE	A