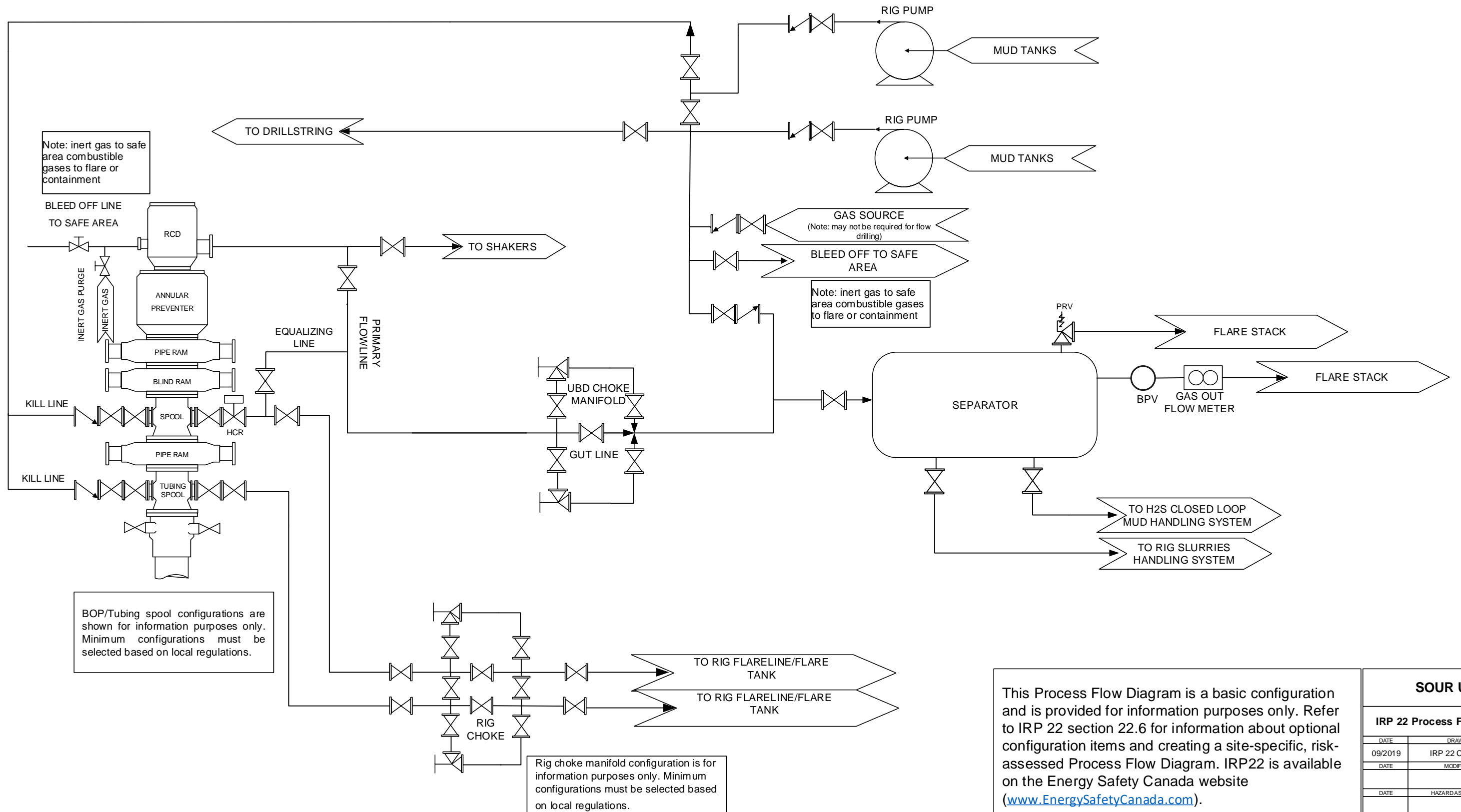


	ACTUATED VALVE
	ADJUSTABLE CHOKE
	CHECK VALVE
	MANUAL STOP VALVE
	FLOW METER
	BACK PRESSURE VALVE



Note: inert gas to safe area combustible gases to flare or containment

BLEED OFF LINE TO SAFE AREA

TO DRILLSTRING

RIG PUMP

MUD TANKS

RIG PUMP

MUD TANKS

GAS SOURCE
(Note: may not be required for flow drilling)

BLEED OFF TO SAFE AREA

Note: inert gas to safe area combustible gases to flare or containment

EQUALIZING LINE

PRIMARY FLOWLINE

TO SHAKERS

RCD

ANNULAR PREVENTER

PIPE RAM

BLIND RAM

SPOOL

HCR

PIPE RAM

TUBING SPOOL

KILL LINE

KILL LINE

UBD CHOKE MANIFOLD

GUT LINE

SEPARATOR

PRV

FLARE STACK

FLARE STACK

BPV

GAS OUT FLOW METER

TO H2S CLOSED LOOP MUD HANDLING SYSTEM

TO RIG SLURRIES HANDLING SYSTEM

TO RIG FLARELINE/FLARE TANK

TO RIG FLARELINE/FLARE TANK

RIG CHOKE

Rig choke manifold configuration is for information purposes only. Minimum configurations must be selected based on local regulations.

BOP/Tubing spool configurations are shown for information purposes only. Minimum configurations must be selected based on local regulations.

This Process Flow Diagram is a basic configuration and is provided for information purposes only. Refer to IRP 22 section 22.6 for information about optional configuration items and creating a site-specific, risk-assessed Process Flow Diagram. IRP22 is available on the Energy Safety Canada website (www.EnergySafetyCanada.com).

SOUR UBD		
IRP 22 Process Flow Diagram		
DATE	DRAWN BY	REV
09/2019	IRP 22 Committee	
DATE	MODIFIED BY	REV
		1
DATE	HAZARDAESSED BY	REV
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