DIMENSION BID
WELL INTERVENTION | PERFORATION SERVICES

PVT TEMPLATE	EMERAUDE SOFTWARE

Client: _____
Well: _____
Zone: _____

1. FLUID TYPE (Please Tick either one)

	Dry gas
	Hydrocarboon
	Pure CO2
	Pure N2
	Saturated Oil (buble point fluid)
	Condensate (dew point fluid)

Reservoir Parameters

cf/bbl	Solution Gas-Oil Ratio (Rs@Pb)

	Water

2. WATER PROPERTIES

	Salinity (total dissolved solids in ppm)

Thermal properties

Standard heat capacity (Cpw)

	Btu/(lbm.degree F)

Thermal conductivity

	W/(m.degree C)

Correlations

	Rsw
	Bw
	cw
	MuW

Rsw [cf/bbl] vs P [psia] at _____ degree F

T	P	Rsw
degree F	psia	cf/bbl

Bw vs P [psia] at _____ degree F

T	P	Bw
degree F	psia	

Muw [cp] vs T [degree F]

T	Muw
degree F	cp

Rhow [g/cc] vs P [psia] at _____ degree F

T	P	Rhow
degree F	psia	g/cc

3. GAS PROPERTIES

	Specific Gravity

Thermal properties

Standard heat capacity (Cpg)

	Btu/(lbm.degree F)

Thermal conductivity

	W/(m.degree C)

Correlations

	Z factor
	Mug
	Bg

Z vs P [psia] at _____ degree F

T	P	Z
degree F	psia	

Bg vs P [psia] at _____ degree F

T	P	Bg
degree F	psia	

Mug [cp] vs P [psia] at _____ degree F

T	P	Mug
degree F	psia	cp

Rhog [g/cc] vs P [psia] at _____ degree F

T	P	Rhog
degree F	psia	g/cc

4. OIL PROPERTIES

[ ] sp.gr. Gravity

Thermal properties

Standard heat capacity (Cpo)

[ ] Btu/(lbm.degree F)

Thermal conductivity

[ ] W/(m.degree C)

Correlations

Pb
Rs
Bo
co
Muo

Pb[psia] vs T [degree F]

T	Pb
degree F	Psia

Rs [cf/bbl] vs P [psia] at _____ degree F

T	P	Rs
degree F	psia	cf/bbl

Rhoo [g/cc] vs P [psia] at _____ degree F

T	P	Rhoo
degree F	psia	g/cc

Bo vs P [psia] at _____ degree F

T	P	Bo
degree F	psia	

Muo [co] vs T [degree F]

T	P	Muo
degree F	psia	cp

5. CONDENSATE PROPERTIES

Separator inputs

		gas gravity
	cf/bbl	GOR sep
	psia	pressure
	degree F	temperature

	psia	Dewpoint pressure
	degree F	Dewpoint temperature
	sp.gr	Liquid Gravity

Tank inputs

		Gas gravity
	cf/bbl	GOR tnk

Non Hydrocarbon

	mole %	H2S
	mole %	CO2
	mole %	N2

Thermal properties

Standard heat capacity

Gas ____ Btu/(lbm.degree F) Oil ____ Btu/(lbm.degree F)

Conductivity

Gas ____ W/(m.degree C) Gas ____ W/(m.degree C)

Bo vs P [psia] at _____ degree F

T	P	Bo
degree F	psia	

Muo [co] vs T [degree F]

T	P	Muo
degree F	psia	cp

Rhoo [g/cc] vs P [psia] at _____ degree F

T	P	Rhoo
degree F	psia	g/cc

CGR_Prod [bbl/MMscf] vs P [psia] at _____ degree F

T	P	CGR_Prod
degree F	psia	bbl/MMcf

Rhog [g/cc] vs P [psia] at _____ degree F

T	P	Rhog
degree F	psia	g/cc

Bg vs P [psia] at _____ degree F

T	P	Bg
degree F	psia	

Mug [cp] vs P [psia] at _____ degree F

T	P	Mug
degree F	psia	cp