

Main Results		Frac - Homogeneous	
			
Company Yates Petroleum Corp. Well Banjo BNO Federal #1		Field Test Name / # 358 hour build up	
Test date / time Nov-07 to Nov-22-2009 Formation interval Avalon Shale Perforated interval 7,488 ft to 8,254 ft Gauge type / # Gauge depth	Total Compr. ct 1.75881E-4 psi-1 Connate Water (%) 0 Selected Model Model Option Standard Model Well Fracture - Uniform flux, Variable Reservoir Homogeneous Boundary Infinite		
TEST TYPE Standard Porosity Phi (%) 8 Well Radius rw 0.3281 ft Pay Zone h 56 ft	Main Model Parameters TMatch 0.00245 [hr]-1 PMatch 3.23E-9 [psi ² /cp]-1 C 1.97E-4 bbl/psi Total Skin -4.07 k.h, total 0.591 md.ft k, average 0.0105 md Pi 3485 psia		
Water Salt (ppm) 10000 Form. compr. 3E-6 psi-1 Reservoir T 130 °F Reservoir P 3485 psia Fluid type Gas - Condensate m(p)	Model Parameters Well & Wellbore parameters (Banjo BNO Federal #1) C 1.97E-4 bbl/psi Skin0 (Xf) 0 Geometrical Skin -4.07 dS/dQ 0 [Mscf/D]-1 Xf 52.5 ft Reservoir & Boundary parameters Pi 3485 psia k.h 0.591 md.ft k 0.0105 md		
Separator 1st st. sep. P 60 psia 1st st. sep. T 89.9996 °F 1st st. sep. GOR 23000 scf/stb 1st st. sep. gravity 0.81 2nd st. sep. T 100 °F Tank Tank GOR 52.9829 scf/stb Tank gravity 1.8487 Tank T 70 °F	Derived & Secondary Parameters Rinv 86.7 ft Test. Vol. 1.05838E-4 bcf Delta P (Total Skin) -4561.11 psi Delta P Ratio (Total Skin) -2.7096 Fraction		
API gravity 49 Dew pressure@ Tr 10713 psia Sour gas composition Hydrogen sulphide 0 Carbon dioxide 0.09 Nitrogen 0.02 Temperature 130 °F Pressure 3485 psia Properties @ Reservoir T&P CGR prod. 34.5072 bbl/MMcf			
Oil Bo_c 2.56254 B/STB Muo_c 0.252835 cp Rhoo_c 0.591103 g/cc co_c 6.61192E-7 psi-1 L.D.O. 0.123244 Fraction			
Gas Bg_c 0.00383333 cf/scf Bg_c w/o sep 0.00393354 cf/scf Mug_c 0.0293159 cp Rhog_c 0.267864 g/cc cg_c 1.9709E-4 psi-1			