

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-3-85							
Company El Paso Natural Gas				Connection							
Pool Basin				Formation Dakota							
Completion Date 12-27-84		Total Depth		Plug Back TD 6679							
				Elevation 6624 GR							
Csg. Size 4.500		Wt. 10.5	d 4.052	Set At 6699	Perforations: From 6388 To 6483						
Tub. Size 2.375		Wt. 4.7	d 1.995	Set At 6478	Perforations: From To						
Type Well - Single - Blindhead - G.C. or G.O. Multiple Single				Packer Set At None							
Producing Thru TBG		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.0							
L		H	Gg .680	% CO ₂	% N ₂						
				% H ₂ S	Prover						
					Meter Run						
					Taps						
FLOW DATA											
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							1994		1915		7-Days
1.			.750			60	123		377		3-Hrs
2.											
3.											
4.											
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super. Comp. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	12.365		135	1.000	.9393	1.016	1593				
2.											
3.											
4.											
5.											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf, ubl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ XXXXXX Specific Gravity Flowing Fluid _____ XXXXX Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R						
1											
2.											
3.											
4.											
5.											
P _c 2006 P _c ² 4024036 NO. P _r ² P _w P _w ² P _c ² - P _w ²					(1) $\frac{P_c^2}{P_r^2 - P_w^2} \times \frac{4024036}{3872715}$ (2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.02916$						
1		389	151321	3872715							
2											
3											
4											
5											
Absolute Open Flow 1639 Mcfd @ 15.025					Angle of Slope @ _____			Slope, n .75			
Remarks: Gas vented during test = 791 MCF											
Approved by Division			Conducted By Joe Gillentine			Calculated By Bill Welch			Checked By		