

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-12-83			
Company SHERMAN F. WAGENSELLER				Connection EL PASO GAS COMPANY			
Pool South Blanco PC				Formation Pictured Cliffs		Unit	
Completion Date 1-8-83		Total Depth 3220		Plug Back TD 3155		Elevation 7404Gr	
Csq. Size 4 1/2	Wt. 11.6	d 4.000	Set At 3197	Perforations: From 3071 To 3104		Farm or Lease Name Mobil Apache 21	
Thq. Size 2 3/8	Wt. 4.7	d 1.995	Set At 3093	Perforations: From 3093 To		Well No. #1	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County R. A.	
Producing Thru 11/83		Reservoir Temp. °F 112 @ 3090		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _g est. .650	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
1.			.750	60		60	824		824		7 days
2.									189		3 hrs.
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.365		72	1.000	.9608	1.009	863
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _i ²	P _w	P _r ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0514$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0514$
1.		201	40401	658495		
2.						
3.						
4.						
5.						

Absolute Open Flow 908 Mcfd @ 15.025				Angle of Slope 4		Slope, n .05	
Remarks: Light to, of water & dist. through out test							

Approved By Division	Conducted By: C. A. WAGNER	Calculated By: C. A. WAGNER	Checked By:
----------------------	-------------------------------	--------------------------------	-------------