

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-30-85	
Company Curtis J. Little			Connection El Paso Natural Gas Company		
Pool Otero			Formation Chacra		
Completion Date 1-23-85		Total Depth 3476		Plug Back TD 3459	
Elevation 6484 GR		Farm or Lease Name Salazar			
Csq. Size 4 1/2"	Wt. 10.5	d 4.052	Set At 3476	Perforations: From 2959 To 3424	
Thq. Size 2 3/8"	Wt. 4.7	d 1.995	Set At 3422	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Gas/Gas Dual				Packer Set At 2625	
Producing Thru Tubing		Reservoir Temp. °F #		Baro. Press. - P _a 12 psia (est.)	
Mean Annual Temp. °F		State New Mexico			
L	H	G _g .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	
SI	7 days						605				
1.	2 in.	1/2	115				115	50°			3 hours
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	5.4315		127	1.0098	.9608	1.012	677
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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 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

P _c 617	P _c ² 380689	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4726$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3368$	
NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²
1		149	22166	3 58523
2				
3		Calculated		
4				
5				

Absolute Open Flow 905 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: Dry gas for 1 hour. Mist of water throughout test.			
Approved By Division	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Curtis J. Little