

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9-9-82	
Company Curtis J. Little				Connection El Paso			
Pool Gtero				Formation Chacra		Unit	
Completion Date 9-2-82		Total Depth 3894		Plug Back TD 3862		Elevation 6791 G.L.	
Form or Lease Name Turner							
Csg. Size 4.500		Wt. 10.5		Set At 4.052		Perforations: From 3736 To 3842	
Trg. Size 2 3/8		Wt. 4.7		Set At 1.995		Perforations: From open To ended	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple G/G Dual				Packer Set At 2998		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _g 12 psia	
State New Mexico		L		H		Cg	
.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.	7 days								715		
2.	2 inch	.750	55						55	60°	3 hours
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.3650		67	1.000	9608	1.005	800
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w ²	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0236$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0175$
1.	110	12190	516339			
2.						
3.	calculated					
4.						
5.						

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 814$

Absolute Open Flow 814 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n .75	
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Remarks: Light spray of water last 2 1/2 hours of test.

Approved By Division	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Curtis J. Little
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