

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

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 3387	Plug Back TD 3345	Elevation 6379 KB
Farm or Lease Name Salazar		Well No. 9		
Coq. Size 4 1/2"	Wt. 10.5	d 4.052	Set At 3387	Perforations: From 3810 To 3278
Thq. Size 2 3/8"	Wt. 4.7	d 1.995	Set At 3258	Perforations: From Open To Ended
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Gas/Gas Dual			Packer Set At 2459	County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F p	Mean Annual Temp. °F	Baro. Press. - P _a 12 psia
State New Mexico				
L	H	G _g .650	% 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.
SI	7 days			
1.	2 inch	3/4	74	
2.				
3.				
4.				
5.				
TUBING DATA				
	Press. p.s.i.g.	Temp. °F		
	521	50°		
	74			
CASING DATA				
	Press. p.s.i.g.	Temp. °F		
Duration of Flow 3 hours				
RATE OF FLOW CALCULATIONS				
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t
1	12.3650		86	1.0098
2.				
3.				
4.				
5.				
NO.	R _t	Temp. °R	T _r	Z
1.				
2.				
3.				
4.				
5.				
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.				
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.				
Specific Gravity Separator Gas _____ X X X X X X X X X				
Specific Gravity Flowing Fluid _____ X X X X X				
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.				
Critical Temperature _____ R _____ R				
P _c 533 P _c ² 284089				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		145	21095	262994
2				
3		Calculated		
4				
5				
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0802$				
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.05957$				
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1103$				
Absolute Open Flow 1103 Mcfd @ 15.025				
Angle of Slope θ _____ Slope, n .75				
Remarks: Mist of water - Separator will be installed.				
Approved By Division		Conducted By: Joe Elledge		Calculated By: Joe Elledge
				Checked By: Curtis J. Little