

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-30-82			
Company Curtis J. Little				Connection El Paso Natural Gas Co.			
Pool Otera				Formation Chacra Ext.		Unit	
Completion Date 1-23-82		Total Depth 3600		Plug Back TD 3577		Elevation 6670	
Casing Size 4.500		ID 10.5		Set At 4.052		Perforations: From 3434 To 3552	
Casing Size 2.375		ID 4.7		Set At 1.995		Perforations: From open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. dual				Facker Set At 2659		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12 psia		State New Mexico	
L		H		Gg .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.	
SI	7 days						757			
1.	2 inch	.750	11				11	60°		
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	12.3650		23	1.000	.9608	1.003	274
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
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 _f ²	P _w	P _w ²	P _c ² - P _w ²
1				
2		calculated		
3		39	1544	589817
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0026$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.00195$

AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 275$

Absolute Open Flow 275 Mcfd @ 15.025

Angle of Slope θ _____ Slope, n .75

Remarks: Very fine mist of water at the end of 3 hours.
Well would flare.

Approved By Commission	Conducted By Joe Elledge	Calculated By Joe Elledge	Checked By Curtis J. Little
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