

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



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-25-68			
Company PAN AMERICAN PETROLEUM CORP.				Connection None			
Pool Blanco				Formation Pictured Cliffs		Unit	
Completion Date 3-18-68		Total Depth 2409		Plug Back TD 2365		Elevation / MD 5620 / 5630	
Farm or Lease Name Ulibarri Gas Com				Well No. 4			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 2409	Perforations: From 2331 To 2307		Well No.	
Tbg. Size 1.500	Wt. 2.9	d 1.610	Set At 2341	Perforations: From Open End To		Unit Sec. Twp. Rge. N 35 30N 9W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Casing		Reservoir Temp. °F 90° @ TD Est.		Mean Annual Temp. °F 60° Est.		Baro. Press. - P _a 12 PSIA Est.	
State New Mexico							
L 2319	H 2319	Gg .650 Est.	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	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						487		487	
1.	2 Inch	.750		130			142		130	60° Est.
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		142	1.000	0.9608	1.013	1709
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

P _c 499	P _c ² 249001			
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1		154	23716	225285
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{249001}{225285}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0888$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1861$

Absolute Oper. Flow 1861 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
Remarks: _____		

Approved By Commission:	Conducted By: B. D. Dukes	Calculated By:	Checked By: E. R. Hirst
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