

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 6-25-68																																																																																									
Company PAN AMERICAN PETROLEUM CORP.				Connection None																																																																																											
Pool Basin				Formation Dakota				Unit																																																																																							
Completion Date 6-18-68		Total Depth 6085		Plug Back TD 6043		Elevation / RDB GL 5443/5454		Farm or Lease Name Gallegos Canyon Unit																																																																																							
Csg. Size 4-1/2	Wt. 10.5	d 4.052	Set At 6085	Perforations: 5984 - 6001		Well No. 263																																																																																									
From 5935 To 5962																																																																																															
Thg. Size 2-3/8	Wt. 4.7	d 1.995	Set At 5907	Perforations: 5866 - 5874		Unit Sec. Twp. Rge. D 20 29 12																																																																																									
From 5871 To 5877																																																																																															
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan																																																																																							
Producing Thru Tubing		Reservoir Temp. °F 90° est. TD		Mean Annual Temp. °F Est. 60°		Baro. Press. - P _a 12 psia est.		State New Mexico																																																																																							
L 5874	H 5874	Gg .700 est.	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps																																																																																							
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="5">FLOW DATA</th> <th colspan="2">TUBING DATA</th> <th colspan="2">CASING DATA</th> <th rowspan="2">Duration of Flow</th> </tr> <tr> <th>NO.</th> <th>Line Size</th> <th>X</th> <th>Press. p.s.i.g.</th> <th>Diff. hw</th> <th>Temp. °F</th> <th>Press. p.s.i.g.</th> <th>Temp. °F</th> <th>Press. p.s.i.g.</th> <th>Temp. °F</th> </tr> <tr> <td>SI</td> <td>7 days</td> <td></td> <td></td> <td></td> <td></td> <td>1887</td> <td></td> <td>1876</td> <td></td> <td></td> </tr> <tr> <td>1.</td> <td>2-inch</td> <td>.750</td> <td>539</td> <td></td> <td></td> <td>539</td> <td>60° est.</td> <td>1200</td> <td>60° est.</td> <td>3 Hrs.</td> </tr> <tr><td>2.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>										FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow	NO.	Line Size	X	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	SI	7 days					1887		1876			1.	2-inch	.750	539			539	60° est.	1200	60° est.	3 Hrs.	2.											3.											4.											5.										
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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		551	1.000	.9258	1.068	6736																																																																																								
2.																																																																																															
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NO.	P _t	Temp. °R	T _r	Z	Gas/Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separated Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ °R																																																																																										
1.					RECEIVED JUL 8 1968 ON CON. COM. Dist. 3																																																																																										
2.																																																																																															
3.																																																																																															
4.																																																																																															
5.																																																																																															
P _c 1899 P _c ² 3,606,201 NO. P _t ² P _w P _w ² P _c ² - P _w ² (1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3,606,201}{2,137,257}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4803$																																																																																															
1		1212	1,468,944	2,137,257																																																																																											
2																																																																																															
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5																																																																																															
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 9971$																																																																																															
Absolute Open Flow 9971 Mcfd @ 15.025					Angle of Slope ϕ		Slope, n .75																																																																																								
Remarks:																																																																																															
Original Signed By: W. EATON, JR. Approved By Commission: Conducted By: J. F. Ellledge Calculated By: Checked By: R. S. Lodoen																																																																																															