

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 11-20-69				
Company PAN AMERICAN PETROLEUM CORP.				Connection None					
Pool Basin				Formation Dakota				Unit CON. COM. DIST. 3	
Completion Date 11-13-69		Total Depth 7327		Plug Back TD 7293		Elevation / RDB GL 6434 / 6448		Farm or Lease Name Jicarilla Contract 155	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7326	Perforations: From 7066 To 7250		Well No. 20			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7199	Perforations: From Open To End		Unit Sec. Twp. Rge. N 29 26 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F 90° @ TD		Mean Annual Temp. °F 60° Est.		Baro. Press. - P _a 12 PSIA Est.		State New Mexico	
L 7093	H 7093	G _g .700 Est.	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Line Size XXXX X XXXX Choke	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	7 Days				2360		2340		
1.	2 Inch .750	193			193	60°	690		3 Hrs.
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 _p v	Rate of Flow Q, Mcfd
1	12.3650		205	1.000	.9258	1.023	2401
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 _____ 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 2372	P _c ² 5,626,384		
NO.	P _t ²	P _w	P _w ²
1		702	492,804
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0960$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0712$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2572$$

Absolute Open Flow 2572 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: _____		

Approved By Commission:	Conducted By: B. D. Dukes	Calculated By: LRC	Checked By: J. J. Layton
-------------------------	-------------------------------------	------------------------------	------------------------------------