

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

Form O-122
Revised 9-1-65

JAN 24 1969

OIL CON. COM
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-21-69	
Company PAN AMERICAN PETROLEUM CORP.			Connection None		
Pool Basin			Formation Dakota		Unit
Completion Date 1-14-69		Total Depth 6439	Plug Back TD 6423	Elevation / RDB 5761 / 5772	Farm or Lease Name M. N. Galt "J"
Csg. Size 4.5	Wt. 10.5	d 6439	Set At 6439	Perforations: From 6104 To 6179	Well No. 2
Tbg. Size 2.375	Wt. 4.7	d 6077	Set At 6077	Perforations: From Open Ended To	Unit Sec. Twp. Rge. D 6 27 10
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° @ TD	Mean Annual Temp. °F Est. 60°	Baro. Press. - P _g 12 PSIA est.	State New Mexico
L 6142	H 6142	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 X 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				1837		1837		
1.	2" .750	360			360	60° est.	695	60° est.	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	Rate of Flow Q, Mcfd
1	12.3650		372	1.000	.9258	1.046	4455
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 1837	P _c ² 3,374,569		
NO.	P _t ²	P _w	P _w ²
1		707	499,849
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{3,374,569}{2,874,720}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1277$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5024$$

Absolute Open Flow 5024 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 75
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Remarks: _____

Approved By Commission:	Conducted By: B. D. Dukas	Calculated By: Reginald signed By: J. W. LALON, JR.	Checked By: E. R. Hirst
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