

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 1-8-71	
Company PAN AMERICAN PETR. CORP.				Connection None		
Pool Basin				Formation Dakota		Unit Gallegos Canyon Unit
Completion Date 12-30-70		Total Depth 6159'		Plug Back TD 6128'		Elevation RDE 5682, GL 5669
Csg. Size 4.5	Wt. 10.5	d 4.052	Set At 6159'	Perforations: From 6020' To 6138'		Well No. 264
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6085'	Perforations: From 6009' To 6012'		Unit Sec. Twp. Rge. E 17 28N 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 6085'		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 90° @ TD		Mean Annual Temp. °F Est. 60°		Baro. Press. - P _a 12 PSIA
State New Mexico						
L 6029	H 6029	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Line Size 2.375 2"	Ch. Size 2.375 .750	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					1308		1310		
1.	2"	.750	143			143	60° Est	493		3 hr.
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		155	1.000	.9258	1.010	1792
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 1322	P _c ² 1,747,684			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		505	255025	1,492,659
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.747684}{1.747684 - 0.255025} = \mathbf{1.1709}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.1256}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{2017}$

Absolute Open Flow 2017 Mcfd @ 15.025	Angle of Slope Θ _____	Slope, n .75
Remarks: _____		

Approved By Commission: JAN 18 1971	Conducted By: B. D. Dukes	Calculated By: J. D. Pridgeon	Checked By: D. A. Wayhan
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