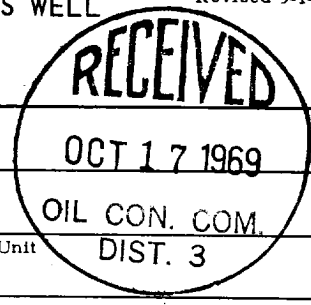


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10-1-69	
Company PAN AMERICAN PETROLEUM CORP.				Connection None		
Pool Basin				Formation Sakota		Unit DIST. 3
Completion Date 9-24-69		Total Depth 7354'		Plug Back TD 7320'		Elevation RMS SL 6306/6318
Farm or Lease Name W. E. Middle						
Csg. Size 4.500	Wt. 10.5	d 4.032	Set At 7354	Perforations: From 7285 To 7402		Well No. 3
Tbg. Size 2-3/8	Wt. 4.7	d 1.993	Set At 7336	Perforations: From Open Ended To		Unit Sec. Twp. Rge. E 24 30 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 _a 12 psia Est.
State New Mexico						
L 7336	H 7336	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover
Meter Run		Taps				

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow	
NO.	Flow Line Size	X	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	2 inch	.750	198			2103	198	2110	700	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.	12.3450		210	1.000	.9258	1.025	2464
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 2122	P _w 24,502,884					
NO.	P _t ²	P _w	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.1269$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0937$
1.		712	506,944	3,995,940		
2.						
3.						
4.						
5.						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 2693$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 2693$

Absolute Open Flow 2693 Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n .75
Remarks: _____		
Original Signed By: W. WATSON, JR.		
Approved By Commission:	Conducted By: B. D. Dukas	Calculated By:
		Checked By: J. J. Layton