

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

Form C-122
Revised 9-1-65

RECEIVED

MAR 16 1970

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-9-70		OIL CON. COM. DIST 3			
Company PAN AMERICAN PETROLEUM CORP.				Connection None							
Pool Basin				Formation Dakota							
Completion Date 1-9-70		Total Depth 7965		Plug Back TD 7930		Elevation RDB CL 6282/6296		Farm or Lease Name Mabel C. Senter			
Csg. Size 4.5	Wt. 11.6	d 4.000	Set At 7965	Perforations: From 7825 To 7920				Well No. 1			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7735	Perforations: From Open End To				Unit C	Sec. 23	Twp. 31	Rge. 6
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 Est. 60°		Baro. Press. - P _a 12 PSIA		State New Mexico			
L 7873	H 7873	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover		Meter Run		Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	LINE X CHOKE Line Size	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				2050		2050		
1.	2 Inch	97			97	60° Est.	350		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	12.3650		109	1.000	.9258	1.011	1262
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 2062	P _c ² 4,251,844			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{1.0318}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.0238}$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		362	131,044	4,120,800	
2					
3					
4					
5					

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1292}$

Absolute Open Flow 1292 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: _____

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