

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

Form C-122
Revised 9-1-65

RECEIVED
AUG 25 1969
OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-21-69			
Company PAN AMERICAN PETROLEUM CORP.				Connection None			
Pool Ballard				Formation Pictured Cliffs		Unit	
Completion Date 8-14-69		Total Depth 2790		Plug Back TD 2730		Elevation RKB 7152 / 7163	
Farm or Lease Name Jicarilla Tribal 360							
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 2766	Perforations: From 2658 To 2682		Well No. 3	
Thq. Size 1.250	Wt. 2.4	d 1.380	Set At 2652	Perforations: From Open End To		Unit Sec. Twp. Rge. A 2 22 3	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Sandoval	
Producing Thru Casing		Reservoir Temp. °F 90° @ TD		Mean Annual Temp. °F 60° Est.		Baro. Press. - P _a 12 Psia est.	
State New Mexico							
2670	H 2670	G _g .650 est.	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X Office Size	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	Choke				694		694		
1.	2 Inch	.750	387			442		387	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 _{pv}	Rate of Flow Q, Mcfd
1	12.3650		399	1.000	0.9608	1.040	4930
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 706	P _c ² 498,436			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		454	206,116	292,320
2.				
3.				
4.				
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{498,436}{292,320}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7759$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5738$$

Absolute Open Flow 7759 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
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Remarks: _____
 Original Signed By: **G. W. EATON, JR.**
 Approved By Commission: _____ Conducted By: **B. D. Dukes** Calculated By: _____ Checked By: **J. J. Layton**