

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

Form C-122
Revised 9-1-65

RELEASED

APR 2 1969

**OIL CON. COM.
DIST. 3**

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-19-69	
Company PAN AMERICAN PETROLEUM CORP.				Connection None	
Pool Undesignated				Formation Gallup	
Completion Date 3-12-69		Total Depth 8120'		Elevation GL 6913 RDB 6924'	
Farm or Lease Name Hearilla Apache 102					
Csg. Size 4.5	Wt. 10.5	d 4.052	Set At 8111'	Perforations: From 7372' To 7384'	
Tbg. Size 1.315	Wt. 1.7	d 1.049	Set At 7323	Perforations: From 7291' To 7297'	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple				Packer Set At 7761'	
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 7378	H 7378	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 CHOKER	Choke Size CHOKER	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 days					1455		1468	
1.	2"	.750	103			103	60° est	1101	
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		115	1.000	.9258	1.012	1332
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 1480	P _c ² 2,190,400			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		1113	1,238,769	951,631
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2,190,400}{951,631}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{2489}{1}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.8687}{1}$

Absolute Open Flow 2489 Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n .75
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Remarks: _____

ORIGINAL FILED BY G. W. Eaton, Jr.

Approved By Commission:	Conducted By: B. D. Dukes	Calculated By:	Checked By:
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