

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

Form C-122
Revised 9-1-65

DEC 30 1970
OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-18-70				
Company PAN AMERICAN PETROLEUM CORP.				Connection None					
Pool Astec				Formation Pictured Cliffs				Unit	
Completion Date 12-11-70		Total Depth 2085		Plug Back TD 2045		Elevation / RDB GL 5540/5532		Farm or Lease Name Texas National Gas Com	
Csg. Size 2.875	Wt. 6.4	d 2.441	Set At 2075	Perforations: From 1918 To 1947		Well No. 1			
Tbg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. 7 K 19 29 9			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan		
Producing Thru Csg.		Reservoir Temp. °F 90° @ TD		Mean Annual Temp. °F 60° Est.		Baro. Press. - P _a 12 PSIA		State New Mexico	
L 1933	H 1933	Gg .650 Est.	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow	
NO.	Line Size	X Choke 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							630		
1.	2 Inch	.750	197					197	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		209	1.000	.9608	1.020	2533
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	
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.
5.					Critical Temperature	R

NO.	P _c	P _c ²	P _w *	P _w ² *	P _c ² - P _w ²
1	642	412,164	247	60,882	351,282
2					
3	*Calculated per C-122A				
4					
5					

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1733$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1454$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2901$$

$$AOF = Q$$

Absolute Open Flow 2901 Mcfd @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks:

Approved By Commission: DEC 30 1970	Conducted By: B. D. Dukas	Calculated By: E. R. Hirst	Checked By: D. A. Wayhan
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