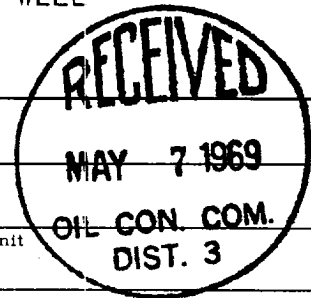


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date - Flow 4-8-69/4-11-69				
Company PAN AMERICAN PETROLEUM CORP.				Connection					
Pool Blanco				Formation Mesaverde				Unit OIL CON. COM. DIST. 3	
Completion Date 4-11-69		Total Depth 6175		Plug Back TD 4955		Elevation / RDB 5912 / 5824		Farm or Lease Name L. C. Kelly	
Csg. Size 4.500	Wt. 10.5	d 4052	Set At 6168	Perforations: From 4608 To 4799		Well No. 6			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 4710	Perforations: From Open To Ended		Unit B	Sec. 11	Twp. 30	Rge. 12
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12 psia		State New Mexico	
L 4692	H	Gg	% 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	Orifice Size	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						992		1060	
1.	4.026	1.250		250			250	63°	330	63°
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	P _m Super-Compress. Factor, P _{sc}	Rate of Flow Q, Mcfd
1	7618.8	10.6		.9971	1.217	4.472	438
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 1072	P _c ² 1,149,184	
NO.	P _t ²	P _w
1		342
2		
3		
4		
5		

R _w ² 116,964	P _c ² - R _w ² 1,032,220	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = \mathbf{1.1133}$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \mathbf{1.0838}$
AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \mathbf{475}$			

Absolute Open Flow 475 Mcfd @ 15.025	Angle of Slope Θ _____	Slope, n .75
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Remarks: **"Q" calculated from sq. root chart with coefficients taken from AGA #3. Special test conducted thru meter tube & back pressure regulator set at 250 psi. Well shut in at end of test on 4-11-69 and shut-in pressures were measured on 4-18-69.**

Approved By Commission:	Conducted By: J. F. Elledge	Calculated By: G. W. Eaton, Jr.	Checked By: E. R. Hirst
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