NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 9-27-70	
Company: PAN AMERICAN PETROLEUM CORP.	Connection: None			
Pool: Aztec	Formation: Pictured Cliffs		Unit	
Completion Date: 9-21-70	Total Depth: 2080	Plug Back TD: 2023	Elevation: /RDB GL 5588/5601	Farm or Lease Name: Gerk Gas Com "D"
Csg. Size: 4.500 / Wt.: 9.5 / d: 4.090 / Set At: 2059	Perforations: From 1963 To 1988			Well No.: 1
Tbg. Size: 1.660 / Wt.: 2.30 / d: 1.380 / Set At: 1963	Perforations: From Open End To			Unit: C / Sec.: 30 / Twp.: 29 / Rge.: 9
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: None			County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: 90° @ TD	Mean Annual Temp. °F: 60° Est.	Baro. Press. – P_a: 12 PSIA Est.	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
1976	1976	.650 Est.						

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Line Size	X Size Choke	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 Days					608		608		
1.	2 Inch	.750	102			102	60° Est.	358		3 Hr.
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		114	1.000	.9608	1.022	1384
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	Z
1.			
2.			
3.			
4.			
5.			

RECEIVED OCT 7 1970 OIL CON. COM. DIST. 3

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 620 P_c^2 384,400

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		370	136,900	247,500
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5531$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4538$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2012$

Absolute Open Flow 2012 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
OCT 7 1970	B. D. Dukes	J. J. Layton	D. A. Wayhan