NEW MEXICO OIL CONSERVATION COMMSSION

Form C-122
Revised 9-1-65

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

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

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 11-14-69	
Company: PAN AMERICAN PETROLEUM CORP.		Connection: None		
Pool: South Blanco		Formation: Pictured Cliffs		Unit:
Completion Date: 11-7-69	Total Depth: 2890	Plug Back TD: 2856	Elevation: RDB GL 6434/ 6448	Farm or Lease Name: Jicarilla Contract 155
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 2881		Perforations: From 2754 To 2791		Well No.: 21
Tbg. Size: 1.660 / Wt.: 2.30 / d: 1.380 / Set At: 2764		Perforations: From Open End To		Unit: M / Sec.: 29 / Twp.: 26 / Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: Rio Arriba
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: 2773 / H: 2773 / Gg: .650 est.	% CO_2	% N_2	% H_2S	Prover / Meter Run / Taps

FLOW DATA / TUBING DATA / CASING DATA

NO.	Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	7 Days		Choke				606		606		
1.	2 Inch		.750	118			118	60° est.	503		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		130	1.000	.9608	1.011	1561
2.							
3.							
4.							
5.							

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

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 618 P_c^2 381,924

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		515	265,225	116,699
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.2727$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.7394$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4276$

Absolute Open Flow 4276 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	B. D.Dukes	L. R. Chism	J. J. Layton