NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-65

RECEIVED
NOV 18 1969
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 5-30-69	
Company: PAN AMERICAN PETROLEUM CORP.				Connection: None	
Pool: Undesignated				Formation: Gallup	Unit
Completion Date: 5-23-69	Total Depth: 8320		Plug Back TD: 8283	Elevation: KDB GL-7139/ 7150	Farm or Lease Name: Jicarilla Apache 102
Csg. Size: 4.500 / Wt.: 9.5 / d: 4.090 / Set At: 8320			Perforations: From 8018 To 8175		Well No.: 12
Tbg. Size: 1.315 / Wt.: 1.7 / d: 1.049 / Set At: 7545			Perforations: From 7565 To 7574		Unit: G / Sec.: 9 / Twp.: 26 / Rge.: 4
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G.			Packer Set At: 7898		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F: 90° @ T.D.		Mean Annual Temp. °F: Est. 60°	Baro. Press. – P_a: 12 PSIA est.	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.700 est.						

FLOW DATA

NO.	Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F
SI	7 Days					
1.	2"	.750	Choke	8		
2.						
3.						
4.						
5.						

TUBING DATA / CASING DATA

NO.	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	1293		1293		
1.	8		497		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		20	1.000	.9258	1.000	229
2.							
3.							
4.							
5.							

NO.	P_r	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 1305 P_c^2 1,703,025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		509	259,081	1,443,944
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1794$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1317$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 259$

Absolute Open Flow 259 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	B. D. Dukes	J. J. Layton	G. W. Eaton, Jr.