NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

FEB -2 '90

O. C. D.
ARTESIA, OFFICE

C15F. File

Type Test: [XX] Initial [ ] Annual [ ] Special			Test Date: 01-25-90	
Company: Manzano Oil Corporation ✓	Connection: None			API #30-005-62177
Pool: Palma Mesa	Formation: Pennsylvanian (Camel SS)			Unit: G
Completion Date: 12-21-89	Total Depth: 6646' KB	Plug Back TD: 6546' KB	Elevation: 3912.8	Farm or Lease Name: Pioneer "26" State
Csg. Size: 4-1/2" / Wt.: 11.6 / d: 4.000 / Set At: 6646 KB		Perforations: From 6499 To 6519		Well No.: 1
Tbg. Size: 2-3/8" / Wt.: 4.7 / d: 1.995 / Set At: 6419'		Perforations: From To		Unit: G / Sec.: 26 / Twp.: 8S. / Rge.: 27E.
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 6419'		County: Chaves
Producing Thru: Tubing	Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover 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									
1.									
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							
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 No liquid HydroC. 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 _____ P_c^2 _____

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3				
4				
5				

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

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

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

Absolute Open Flow 230 MCFPD Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n _____

Remarks: Well drew down from static SIWHP of 1600 psig to a FTP of 100 psi in 75 minutes. The well flowed 235 mcfgpd on 12/64" choke with WHFTP = 100 psig for 24 hrs.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	D. E. Brown	D. E. Brown	D. E. Brown