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: 5-24-74	
Company: Petroleum Corporation of Texas		Connection: Waiting on Pipeline			
Pool: So. Blanco P. C.		Formation: Pictured Cliffs		Unit:	
Completion Date: 5-10-74	Total Depth: 2888	Plug Back TD: 2831	Elevation: 6715 G.L.	Farm or Lease Name: Marron A	
Csg. Size: 4.500 / Wt.: 9.50 / d: 4.090 / Set At: 2871		Perforations: From 2776 To 2796		Well No.: 2	
Tbg. Size: 1.660 / Wt.: 2.40 / d: 1.380 / Set At: 2766		Perforations: From 2763 To 2766		Unit: K / Sec.: 27 / Twp.: 27N / Rge.: 8W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F: 100 @ 2888	Mean Annual Temp. °F: --	Baro. Press. – P_a: 12.0	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2763	2763	0.620	--	--	--	--	--	--

	FLOW DATA				TUBING DATA		CASING DATA		
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.	Temp. °F	Duration of Flow
SI					310		310		14 da.
1.	3/4" T.C.				19	60°	118		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		31	1.0000	0.9837	1.0000	377
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 322 P_c^2 103,684

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		130	16,900	86,784
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1947$ $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1632$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 439$

OIL CON. COM.
DIST. 3

Absolute Open Flow 439 Mcfd @ 15.025 | Angle of Slope θ | Slope, n 0.85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Ewell N. Walsh	Ewell N. Walsh	