NEW MEXICO OIL CONSERVATION COMMISSION

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: 5/30/74	
Company: Petroleum Corp. of Texas	Connection: Waiting on Pipeline		
Pool: So. Blanco P. C.	Formation: Pictured Cliffs		Unit:
Completion Date: 5-19-74	Total Depth: 2192	Plug Back TD: 2105	Elevation: 6076 GR
Farm or Lease Name: Marshall B			

Csg. Size	Wt.	d	Set At	Perforations:		Well No.
4.500	9.50	4.090	2133	From 2075	To 2096	2

Tbg. Size	Wt.	d	Set At	Perforations:		Unit	Sec.	Twp.	Rge.
1.660	2.40	1.380	2766	From 2763	To 2766	O	14	27N	9W

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single	None	San Juan

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	100 Qa 2192	--	12.0	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		Duration of Flow
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	
SI					287		286		11da
1.	3/4"T.C.				34	60	212		3hrs
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		46	1.0000	0.9837	1.0000	560
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 299 P_c^2 89,401

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		224	50,176	38,628
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3144$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.0407$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1,142$

Absolute Open Flow 1,142 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	