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: 5-5-80	
Company: El Paso Natural Gas Company			Connection		
Pool: Tapicito			Formation: Pictured Cliff		Unit: San Juan
Completion Date: 4-5-80	Total Depth: 6111		Plug Back TD: 6094	Elevation	Farm or Lease Name: San Juan 27-5 Unit
Csg. Size: 7" / Wt.: 20 / d: 6.456 / Set At: 3849			Perforations: From 3506 To 3562		Well No.: 61A (PM)
Tbg. Size: 1 ¼ / Wt.: 2.33 / d: 1.660 / Set At: 3570			Perforations: From To		Unit: I / Sec.: 5 / Twp.: 27 / Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G.			Packer Set At: 3705		County: Rio Arriba
Producing Thru: Csg.	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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						1050		1050		7 Days
1.		750	52		62					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	12.365		64	.9981	.9463	1.009	754
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 .670 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure _____ P.S.I.A.
Critical Temperature _____ R

P_c 1062 P_c^2 1127844

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1	4096	70	4900	1122944
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0044$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .0037$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 757$

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OIL CON. COM.
DIST. 3

Absolute Open Flow 757 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: Well Blew Dry Gas Throughout Test and Vented 95 MCF/D To The Atmosphere (4.500 liner set @ 3693' - 6111')

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	M.Wileman	C.R. Wagner	