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: 12-1-82				
Company: El Paso Natural Gas Company				Connection: Northwest Pipeline Corp.					
Pool: Basin				Formation: Dakota				Unit	
Completion Date: 11-24-82		Total Depth: 8005		Plug Back TD: 7995		Elevation: 6709 GR		Farm or Lease Name: San Juan 27-5 Unit	
Csg. Size: 9.625	Wt.: 40	d: 8.835	Set At: 3788	Perforations: From *7773	To: 7975			Well No.: #99E	
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 7943	Perforations: From	To			Unit: C	Sec.: 11	Twp.: 27	Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Dual				Packer Set At: 6178				County: Rio Arriba	
Producing Thru: Tbg.	Reservoir Temp. °F: @		Mean Annual Temp. °F	Baro. Press. – P_a: 12				State: New Mexico	
L	H	Gg: .695	% 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						1910				7 Days
1.		.750	155		56	155				3 Hours
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		167	1.0039	.9292	1.021	1967
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 1922 P_c^2 3694084

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		376	141376	3552708
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3694084}{3552708}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0297$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2025$

Absolute Open Flow 2.025 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: * 7.000" Liner - 3676' - 6322'
4.500" Liner - 6204' - 8004'
Gas Vented During Test - 310 MCF

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Mel Wileman	Ed Mabe	