OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 12-2-80	
Company: El Paso Natural Gas Company			Connection: Northwest Pipeline Corp.		
Pool: Blanco			Formation: Mesa Verde		Unit: San Juan 27-5
Completion Date: 11-25-80	Total Depth: 5854		Plug Back TD: 5837	Elevation: 6512 GR	Farm or Lease Name: San Juan 27-5 Unit
Csg. Size: 7.000 / Wt.: 20.0 / d: 6.456	Set At: 3581		Perforations: From *4882 To 5712		Well No.: #56A
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995	Set At: 5690		Perforations: From To		Unit: E / Sec.: 34 / Twp.: 27 / Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Dual			Packer Set At: 3434		County: Rio Arriba
Producing Thru: Tbg.	Reservoir Temp. °F:		Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico
L	H	Gg: 0.670	% 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						911				7 Days
1.	Choke	0.75	70		66					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		82	0.9943	0.9463	1.009	963
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 _____ XXXXXXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

RECEIVED
DEC 5 1980
OIL CON. COM.
DIST. 3

P_c 923 P_c^2 851929

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	6724	163	26569	825360
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0322$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0240$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 986$

Absolute Open Flow 986 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: 4.500" Liner From 3423 to 5854. Gas Vented = 119 MCF
The Well Produced No Liquids During The Test.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Knox Hedgecoke	H. E. McAnally	