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: 1-22-81	
Company: El Paso Natural Gas Company			Connection: Northwest Pipeline Corp.		
Pool: Blanco			Formation: Mesa Verde		Unit
Completion Date: 1-15-81	Total Depth: 6934		Plug Back TD: 6927	Elevation: 7367 GL	Farm or Lease Name: Carson
Csg. Size: 7.000 / Wt.: 20.0 / d: 6.456	Set At: 4626		Perforations: From *6291 To 6800		Well No.: #3
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995	Set At: 6778		Perforations: From To		Unit: M / Sec.: 30 / Twp.: 30 / Rge.: 4
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Dual			Packer Set At: 4524		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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI					809				7 Days
1.	4" Meter 2.750	50	2.90	53	112				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	129.96	722	62	1.007	1.222	1.009	1165
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

JAN 23 1981
OIL CON. COM.
DIST. 3

P_c 821 P_c^2 674041

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	15376	222	49284	624757
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0789$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0586$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1233$

Absolute Open Flow 1233 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: 4.500" Liner From 4514 to 6934. Gas Vented = 191 MCF
The Well Produced 2.5 Bbls of Water During The Test.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Don Norton	H. E. McAnally	