STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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: 4-20-81

Company: El Paso Natural Gas Company		Connection: El Paso Natural Gas Company			Unit
Pool: Blanco		Formation: Mesa Verde			
Completion Date: 4-10-81	Total Depth: 5750	Plug Back TD: 5732	Elevation: 6329 GL		Farm or Lease Name: Atlantic A
Csg. Size: * 7.000 / Wt.: 20 / d: 6.456 / Set At: 3429		Perforations: From 4628 To 5718			Well No.: #5A (MV)
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5712		Perforations: From To			Unit: J / Sec.: 26 / Twp.: 31 / Rge.: 10
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G.Dual		Packer Set At: 3230			County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F: 0	Mean Annual Temp. °F	Baro. Press. – P_a: 12		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		0650						

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							306				
1.	Choke		0.750	135		62					9 Days
2.											3 Hr.
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		147	.9981	0.9608	1.014	1767
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 _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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OIL CON. COM.
DIST. 3

P_c 318 P_c^2 101124

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	21609	295	87025	14099
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 7.1724$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4.3828$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 7,744$

Absolute Open Flow 7,744 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n 0.75

Remarks: *4½" Liner From 3260 to 5720 Vented 215 MCF Gas During Test

Operator: Jimmy Thurstonson — Witnessed by: R. F. Headrick