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: 4-27-81

Company: El Paso Natural Gas Company	Connection: El Paso Natural Gas Company		
Pool: Blanco	Formation: Pictured Cliffs	Unit:	
Completion Date: 4-11-81	Total Depth: 5750	Plug Back TD: 5732	Elevation: 6329
Farm or Lease Name: Atlantic "A"			
Csg. Size: 7.000 / Wt.: 20# / d: 6.456 / Set At: 3429	Perforations: From 3100 To 3202	Well No.: #5A (PC)	
Tbg. Size: 1.660 / Wt.: 2.33# / d: 1.380 / Set At: 3187	Perforations: From To	Unit: J / Sec.: 26 / Twp.: 31 / Rge.: 10	
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: G. G. Dual	Packer Set At: 3230	County: San Juan	
Producing Thru: Csg.	Reservoir Temp. °F:	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
		0.620						

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							358		358		16 Days
1.	Choke		0.750	42		59	44				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		54	1.0010	.9837	1.007	662
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

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APR 30 1981
OIL CON. COM.
DIST. 3

P_c 370 P_c^2 136900

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		56	3136	133764
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0234$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0199$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 675$

Absolute Open Flow 675 Mcfd @ 15.025 — Angle of Slope θ _____ — Slope, n 0.85

Remarks: Gas Vented During Test - 75 MCF Dry Gas

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Jimmy Thurstonson	R. F Headrick	