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: 3-18-81	
Company: El Paso Natural Gas Company			Connection: El Paso Natural Gas Company		
Pool: Aztec			Formation: Pictured Cliffs		Unit
Completion Date: 3-4-81	Total Depth: 5582		Plug Back TD: 5565	Elevation: 6271 GR	Farm or Lease Name: Sunray D
Csg. Size: 7.000 / Wt.: 20 / d: 6.456 / Set At: 3162			Perforations: From 2842 To 2942		Well No.: #2A (PC)
Tbg. Size: 1.660 / Wt.: 2.4 / d: 1.380 / Set At: 2933			Perforations: From To		Unit: P / Sec.: 21 / Twp.: 30 / Rge.: 10
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G. G. Single			Packer Set At: 3053		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12		State: New Mexico
L	H	Gg: 0.625	% 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						801		801		14 Days
1.	Choke	0.750	87		54	91				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		99	1.0058	0.9798	1.009	1217
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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

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DIST. 3

P_c 813 P_c^2 660960

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		103	10609	650360
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0163$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0138$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1234$

Absolute Open Flow 1234 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

Remarks: Vented 201 MCF Gas During The Test.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Bobby Easterling	H. E. McAnally	